DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 49TH WING (ACC)
HOLLOMAN AIR FORCE BASE, NEW MEXICO

ENTERED

A. David Budak
Deputy Base Civil Engineer
550 Tabosa Avenue
Holloman AFB NM 88330-5840

07-20-2011 A07:56

New Mexico Environment Department
Attn: Mr. John Kieling
Hazardous Waste Bureau
2905 Rodeo Park Drive East, Building 1
Santa Fe NM 87105-6303

Dear New Mexico Environment Department

Holloman AFB is pleased to submit the Supplemental Voluntary Corrective Measures Work Plan (SS-61) for your review.

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

If you have any questions, please contact Mr. David Scruggs of our Asset Management Flight at (575) 572-5395.

Sincerely

A. DAVID BUDAK, GS-14, DAFC

Attachment:
Supplemental Voluntary Corrective Measures Work Plan (SS-61)

cc:
(w/ Atch)
Mr. David Strasser
Hazardous Waste Bureau
5500 San Antonio Dr. NE
Albuquerque, NM 87109

(w/o Atch)
Mr. Will Moats
Hazardous Waste Bureau
5500 San Antonio Dr. NE
Albuquerque, NM 87109

(w/o Atch)
Ms. Laurie King
USEPA, Region 6 (6PD-F)
1445 Ross Ave., Ste 1200
Dallas, TX 75202-2733

7009 2820 0003 6258 3050

FINAL
SUPPLEMENTAL VOLUNTARY CORRECTIVE MEASURES WORK PLAN SITE SS-61 BUILDING 1001 FUEL SPILL SITE HOLLOMAN AFB, NEW MEXICO

Prepared For:

49 CES/CEAN
Holloman Air Force Base
Mew Mexico

Under Contract To:

U.S. Army Corps of Engineers
Omaha District
Omaha, Nebraska

Contract No. W9128F-10-D-0006
Bhate Project Number 9100133

May 2011

bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

Holloman Air Force Base

FINAL

SUPPLEMENTAL VOLUNTARY CORRECTIVE MEASURES WORK PLAN

SS-61 BUILDING 1001 FUEL SPILL SITE

HOLLOMAN AIR FORCE BASE, NEW MEXICO

Prepared for:

49 CES/CEAN
Holloman Air Force Base
New Mexico

Under Contract to:

U.S. Army Corps of Engineers
Omaha District
Omaha, Nebraska

Contract No. W9128F-10-D-0006
Task Order No. 0001

May 2011

Prepared by:

Bhate Environmental Associates, Inc.
1608 13th Avenue South, Suite 300
Birmingham, Alabama 35205

Bhate Project Number: 9100133

This page intentionally left blank.

FINAL

SUPPLEMENTAL VOLUNTARY CORRECTIVE MEASURES WORK PLAN
SS-61 BUILDING 1001 FUEL SPILL SITE
HOLLOMAN AIR FORCE BASE, NEW MEXICO

REVIEW SHEET

This Work Plan has been reviewed and approved by:

J. Mark Stapleton, Ph.D., P.E., AEE Project Engineer, New Mexico Licensed Professional Engineer (#17492)	Signature	5/20/2011 Date
Jim Moore, P.G. Sr. Project Geologist	Signature	5/20/2011 Date
Frank Gardner, P.G. Program Manager	Signature	5/20/2011 Date

This page intentionally left blank.

FINAL

SUPPLEMENTAL VOLUNTARY CORRECTIVE MEASURES WORK PLAN

SS-61 BUILDING 1001 FUEL SPILL SITE

HOLLOMAN AIR FORCE BASE, NEW MEXICO

TABLE OF CONTENTS

Acronyms and Abbreviations vii

1 Introduction 1-1

1.1 Objectives 1-1
1.2 HAFB and SS-61 Description and Operational History 1-2
1.2.1 Holloman Air Force Base 1-2
1.2.2 Spill Site 61 1-2
1.3 Site Chronology 1-3
1.4 Environmental Setting 1-4
1.4.1 Site SS-61 Geology 1-4
1.4.2 Site SS-61 Hydrogeology 1-5
1.5 Regulatory Requirements 1-5
1.5.1 Soil 1-6
1.5.1.1 VOCs and SVOCs 1-6
1.5.1.2 Total Petroleum Hydrocarbons 1-6
1.5.2 Groundwater 1-7
1.5.2.1 VOCs and SVOCs 1-7
1.5.2.2 Total Petroleum Hydrocarbons 1-7
1.5.2.3 Total Dissolved Solids 1-7
1.6 Work Plan Organization 1-7

2 Historical Data Review and Conceptual Site Model 2-1

2.1 Previous SS-61 Investigations (1996 – 2005) 2-1
2.2 SS-61 VCM Investigation (May 2007) 2-2
2.2.1 Subsurface Soil Analytical Results 2-3
2.2.2 Groundwater Analytical Results 2-4
2.3 SS-61 VCM PCS Excavation (June – July 2007) 2-6
2.3.1 SS-61 Excavation Confirmation Soil Sampling Results 2-6
2.3.2 Extent of Contamination 2-7
2.4 SS-61 VCM Investigation (August 2007) 2-7
2.4.1 Purpose 2-7
2.4.2 Subsurface Soil Analytical Results 2-8
2.4.2.1 SS-61 Excavation Area 2-8
2.4.2.2 Valve Vault Area 2-9

2.5 SS-61 VCM Addendum Investigation (Nov – Dec 2008) 2-10
2.5.1 Subsurface Soil Analytical Results 2-11
2.5.1.1 Pipeline T-Junction PCS Source Area 2-11
2.5.1.2 Pipeline Valve Vault PCS Source Area 2-13
2.5.2 Groundwater Analytical Results 2-15
2.5.2.1 Volatile Organic Compound Results 2-15
2.5.2.2 Total Petroleum Hydrocarbon Results 2-16
2.5.2.3 Total Dissolved Solids Results 2-16
2.5.2.4 Nature and Extent of Groundwater Contamination 2-17
2.6 AVGAS Pipeline Video Inspection 2-18
2.7 Revised Conceptual Site Model (2009) 2-19
2.7.1 Contaminants of Concern 2-19
2.7.1.1 Soil 2-19
2.7.1.2 Groundwater 2-19
2.7.2 SS-61 Groundwater Conditions 2-19
2.7.3 SS-61 Soil Conditions 2-20
2.7.4 Source of Contamination 2-20
2.7.5 Source Area Characterization 2-20
2.7.5.1 Pipeline T-Junction Source Area 2-20
2.7.5.2 Pipeline Valve Vault Source Area 2-21
2.7.6 Impact to Groundwater 2-21
2.7.7 Release Mechanisms/Contaminant Fate and Transport 2-21
2.7.8 Potential Exposure Pathways and Receptors 2-22

3 Pre-Design Characterization 3-1

3.1 Initial Approach and Pre-Design Characterization Sampling Effort 3-1
3.1.1 Pre-Design Observation Well Installation 3-1
3.1.2 Pre-Design Groundwater Sampling 3-2
3.2 Pre-Design Microcosm Study 3-2
3.3 Pre-Design Bench-Scale Study 3-3
3.4 Technology Evaluation Testing 3-3
3.5 Results and Findings 3-4

4 Corrective Measures Description 4-1

5 Corrective Measures Design 5-1

5.1 Summary of Nature and Extent of Contamination 5-1
5.1.1 Release Mechanisms/Contaminant Fate and Transport 5-1
5.1.2 Potential Exposure Pathways and Receptors 5-2
5.2 Technical Approach 5-2
5.3 Injection Well Placement Rationale 5-5
5.4 Field Activities 5-5
5.4.1 Utility Clearance and GPR 5-5
5.4.2 Horizontal Injection Well Installation 5-6
5.4.2.1 Horizontal Injection Well Design 5-6
5.4.2.2 Horizontal Injection Well Drilling 5-6
5.4.2.3 Horizontal Injection Well Completion and System Connection 5-8

5.4.3 Injection Well Development 5-9
5.4.4 Decontamination Requirements 5-9
5.4.5 Land Surveying 5-9
5.4.6 Site Restoration 5-9
5.4.7 Investigation-Derived Waste 5-10

6 Performance Monitoring Plan 6-1

6.1 Pre-investigation Requirements 6-2
6.1.1 AF Form 332 6-2
6.1.2 Dig Permit/Utility Clearances 6-2
6.1.3 Site Security 6-2
6.2 Performance Monitoring Requirements 6-2
6.3 Groundwater Monitoring Program 6-3
6.3.1 Monitoring Well Installation Activities 6-3
6.3.1.1 Monitoring Well Locations 6-3
6.3.1.2 Monitoring Well Installation and Development 6-3
6.3.2 Baseline and Quarterly Groundwater Sampling 6-4
6.3.2.1 Sample Collection 6-4
6.3.2.2 Baseline and Quarterly Groundwater Monitoring Schedule 6-4
6.4 Soil Sampling Program 6-4
6.4.1 Hollow Stem Auger Soil Sampling 6-4
6.4.2 Soil Sampling and Analysis 6-5
6.4.3 Baseline and Semi-Annual Soil Sampling Schedule 6-5
6.5 Laboratory Analytical Methods 6-5
6.6 Surveying 6-6
6.7 Groundwater Elevations 6-6
6.8 Site Restoration 6-7

7 Risk Based Clean-up Approach 7-1

7.1 Compilation of Data 7-1
7.2 Identification of COPCs 7-2
7.3 Development of the Exposure Model 7-3
7.4 Identification of Target Levels 7-3
7.4.1 Toxicity Values 7-4
7.4.2 Physical and Chemical Properties 7-5
7.4.3 Exposure Factors 7-5
7.4.4 Fate and Transport Parameters 7-6
7.5 Calculation of Representative Concentrations 7-6
7.6 Calculation of Risk Ratios 7-8
7.7 Uncertainty Analysis 7-8

8 Waste Management 8-1

8.1 IDW Handling/Characterization 8-1
8.1.1 Soil 8-1
8.1.2 Groundwater 8-1
8.1.3 Construction Rubble 8-1
8.2 Decontamination Wastes 8-2

8.2.1 Decontamination Water 8-2
8.2.2 Decontamination Pad 8-2
8.3 Petroleum Wastes 8-2
8.4 Personal Protective and Disposable Sampling Equipment 8-2
8.5 Housekeeping Program 8-2
9 Project Quality Assurance 9-1
9.1 Inspection Activities 9-1
9.1.1 Pre-Implementation Inspection and Meeting 9-1
9.1.2 Pre-Final Inspection 9-2
9.1.3 Final Inspection 9-2
9.2 Standard Operating Procedures 9-2
9.3 Sample Identification 9-2
9.4 Documentation 9-2
9.4.1 Daily Quality Control Reports 9-2
9.4.2 Record Drawings 9-3
9.4.3 Sample Documentation 9-3
9.4.4 Field Logbook 9-4
9.4.5 Field Analytical Data 9-4
10 Health and Safety Considerations 10-1
11 Data Management 11-1
11.1 Data Management and Strategy 11-1
11.2 Data Type 11-1
11.3 Sample Identification System 11-1
11.4 Data Recording 11-2
11.4.1 Field Data 11-2
11.4.2 Laboratory Analytical Data 11-3
11.4.3 Photographs 11-3
11.5 Data Reporting 11-4
11.5.1 Tabular Displays 11-4
11.5.2 Graphical Displays 11-5
11.6 Data Archiving 11-5
12 Progress and Completion Reports 12-1
12.1 Progress Reports 12-1
12.2 Completion Report 12-1
13 Organization and Schedule 13-1
14 References 14-1

Figures

Figure 1-1 Holloman AFB, New Mexico Location Map
Figure 1-2 SS-61 Site Location Map
Figure 1-3 SS-61 Site Map
Figure 1-4 Groundwater Contour Map Holloman AFB, New Mexico
Figure 3-1 SS-61 Pre-Design Characterization Injection and Observation Wells
Figure 5-1 Injection Well Locations and Treatment Zones
Figure 5-2 Trailer Design
Figure 5-3 Trailer and Equipment and Layout Diagram
Figure 5-4 Process and Instrumentation Diagram
Figure 5-5 Electrical and Piping Schematic
Figure 6-1 Treatment Zones, System Configuration Monitoring Wells, and Sampling Locations

Tables

Table 6-1 Performance Groundwater Sampling and Analysis
Table 6-2 Performance Soil Sampling and Analysis
Table 7-1 Geotechnical Data (May 2007)
Table 8-1 Proposed Waste Streams
Table 11-1 Sample Containers and Holding Times by Sample Media

Attachments

Attachment A Memorandum Revision to Existing Approved VCM Work Plan for Soil Remediation at Site SS-61, HAFB, New Mexico (Bhate, 2009) and NMED Notice of Conditional Approval (NMED, 2009)
Attachment B Table 2 Bench Test Results – Technology Evaluation Testing, Site SS-61, Holloman AFB, NM (Norfolk·Ram Group, May 2010)
Attachment C Spreadsheets for Estimating the Distribution of Air Flow Through Slotted Screen, Version 6.0 (Bhate, February 2011)

Appendices

Appendix A Historical Data from Previous Investigations (Provided on Enclosed CD)
Appendix B Quality Assurance Project Plan Addendum
Appendix C Site-Specific Addendum to the Basewide Health and Safety Plan

This page intentionally left blank.

ACRONYMS AND ABBREVIATIONS

AAF	Army Air Field
AEE	Associate of the American Society of Environmental Engineers
AFB	Air Force Base
AF Fm	Air Force Form
AISEB	Aerobic In Situ Enhanced Bioremediation
amsl	Above mean sea level
ANSI	American National Standards Institute
AOC	Area of Concern
AS	Air sparging
AST	Aboveground storage tank
ASTM	American Society for Testing and Materials
ATSDR	Agency for Toxic Substances and Disease Registry
AVGAS	Aviation Gasoline
bgs	Below ground surface
Bhate	Bhate Environmental Associates, Inc.
BioStim	Biostimulation
BOD	Biological Oxygen Demand
BSOP	Bhate Standard Operating Procedure
BTEX	Benzene, toluene, ethylbenzene, and xylenes
CalEPA	California Enviromental Protection Agency
CAP	Corrective Action Plan
CES/CEAN	Civil Engineering Squadron/Environmental Asset Management
CFM	Cubic feet per minute
cm	centimeter
CME	Central Mining Equipment
COC	Chemical of concern
COD	Chemical oxygen demand
COPCs	Chemicals of potential concern
CR	Construction representative
CRZ	Contamination reduction zone
CSM	Conceptual site model
CY	Cubic yards
1,2-DCA	1,2-Dichloroethane
DO	Dissolved oxygen
DOT	Department of Transportation
DPT	Direct push technology
DQCR	Daily Quality Control Report
DRO	Diesel range organics
EDD	Electronic Data Deliverable
EDTA	Ethylene diamine triacetic acid
EM	Exposure model
ERP	Environmental Restoration Program

ACRONYMS AND ABBREVIATIONS (CONTINUED)

ERPIMS	Environmental Restoration Program Information Management System
ESRI	Environmental Systems Research Institute
EZ	Exclusion zone
FID	Flame ionization detector
ft	Feet
ft/ft	Feet per foot
FWENC	Foster Wheeler Environmental Corporation
GIS	Geographical Information System
GEO	Geochemical fingerprint
g/Kg	Grams per kilogram
g/mL	Grams per milliliter
GPR	Ground penetrating radar
GPS	Global positioning system
GRO	Gasoline range organics
GTI	Groundwater Technology, Inc
H_2S	Hydrogen sulfide
HAFB	Holloman Air Force Base
HASP	Health and Safety Plan
HDPE	High density polyethylene
HEAST	Health Effects Assessment Summary Tables
HHMSSL	Human Health Medium Specific Screening Level
HSA	Hollow stem auger
IDW	Investigation-Derived Waste
IRIS	Integrated Risk Information System
ISCO	In-situ chemical oxidation
ISEB	In-situ enhanced bioremediation
J	Data Qualifier (denotes an estimated value)
J&E	Johnson & Ettinger
lbs	Pounds
LIMS	Laboratory Information Management System
ma	Milliampere
MCL	Maximum Contaminant Level
MDL	Method Detection Limit
µg/kg	Micrograms per kilogram
µg/L	Micrograms per liter
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter

ACRONYMS AND ABBREVIATIONS (CONTINUED)

MNA	Monitored natural attenuation
MRL	Minimum Risk Level
MS	Matrix spike
MSD	Matrix spike duplicate
NAD	North American Datum
NAVD	North American Vertical Datum
NFA	No Further Action
NMAC	New Mexico Administrative Code
NMED	New Mexico Environment Department
NMWQCC	New Mexico Water Quality Control Commission
NWI	North Wind Inc.
O&M	Operations and Maintenance
OEHHA	Office of Environmental Health Hazard Assessment
ORO	Oil range organics
OSHA	Occupational Safety and Health Administration
OVA	Organic vapor analyzer
PCS	Petroleum contaminated soil
P.G.	Professional Geologist
PhD	Doctor of Philosophy
PHE	Phenol hydroxylase
PID	Photoionization detector
PLC	Programmable Logic Controller
PLFA	Phospholipid fatty acid
PM	Project Manager
PPE	Personal protective equipment
ppm	Parts per million
PPRTV	Provisional Peer Reviewed Toxicity Values
PRG	Preliminary Remediation Goal
psi	Pounds per square inch
PVC	Polyvinyl chloride
QA	Quality assurance
QAPP	Quality Assurance Project Plan
QC	Quality control
QCC	Quality Control Coordinator
RAGS	Risk Assessment Guidance for Superfund
RAM	Risk Assessment Management
RBC	Risk Based Concentration
RCRA	Resource Conservation and Recovery Act
RFI	RCRA Facility Investigation
RI	Remedial Investigation

ACRONYMS AND ABBREVIATIONS (CONTINUED)

RIP	Remedy in place
scfm	Standard cubic feet per minute
SOD	Soil oxygen demand
SOP	Standard Operating Procedure
sq ft	Square feet
SS-61	Spill Site 61
SSL	Soil screening level
SVCM	Supplemental Voluntary Corrective Measures
SVE	Soil vapor extraction
SVOC	Semi-volatile organic compound
SWMU	Solid Waste Management Unit
SZ	Support zone
TCE	Trichloroethylene
TCEQ	Texas Commission on Environmental Quality
TDS	Total dissolved solids
TKN	Total Kjeldahl nitrogen
TNT	2,4,6-Trinitrotoluene
TOD	Toluene dioxygenase
TPH	Total petroleum hydrocarbons
TRRP	Texas Risk Reduction Program
UCL	Upper Confidence Limit
USACE	United States Army Corps of Engineers
USCS	Unified Soil Classification System
USEPA	United States Environmental Protection Agency
UVF	Ultra violet fluorometer
VCM	Voluntary Corrective Measures
VOC	Volatile organic compound
VSD	Variable speed drive
WWTP	Wastewater Treatment Plant

1 INTRODUCTION

Bhate Environmental Associates, Inc. (Bhate), contracted through the U.S. Army Corps of Engineers (USACE), Omaha District, presents the following Supplemental Voluntary Corrective Measures (SVCM) Work Plan for the Building 1001 Fuel Spill Site (SS-61) located on Holloman Air Force Base (HAFB), near Alamogordo, New Mexico. This work is conducted under prime contract number W9128F-10-D-0006, Task Order No. 0001.

Previous investigations for this site have identified contaminants in soil and groundwater at concentrations above risk based action levels. The SS-61 remedy in place (RIP) will be accomplished by excavation and land farming the accessible petroleum contaminated soil (PCS) source areas located in the northern and southern portions of the site and in-situ treatment (via air injection) in areas where the excavation of PCS is not feasible (i.e., beneath existing facilities and utility corridors) located within the central portion of the site. This SVCM Work Plan will serve as the primary working document for remedial actions concerning the in-situ enhanced bioremediation of soil and groundwater contamination that is inaccessible by excavation. Additionally, the *Final Voluntary Corrective Measures Work Plan Site SS-61 Soil Remediation, Holloman AFB, New Mexico* (Bhate, 2007) will serve as the primary working document for remedial actions concerning source area excavation and on-site land farming (treatment) of PCS. Site SS-61 is listed as Area of Concern (AOC) 1001 in Appendix 4-A (Table A) of the Holloman Air Force Base Hazardous Waste Facility Permit No. NM6572124422 (NMED, 2004). Sites listed in Table A are Solid Waste Management Units (SWMUs) or AOCs which require further characterization and corrective action if warranted.

1.1 Objectives

Approximately two acres of petroleum contaminated soil (PCS) located north of Dezonia Drive is not accessible to source area removal and treatment by excavation and land farming. Therefore, the primary objective of this SVCM Work Plan is to provide a detailed approach for remediating the inaccessible areas of PCS using Aerobic In-Situ Enhanced Bioremediation (AISEB). The proposed plan for treatment of these areas will be accomplished with the injection of air using horizontal wells which will stimulate the microbial community to consume the hydrocarbon present below the water table. Additionally, this Work Plan will establish performance monitoring, compliance monitoring, and reporting requirements to assure that the corrective action remains protective of human health and the environment. Residual soil and groundwater contamination will be addressed with a site specific risk assessment that will be included in the SS-61 Completion Report. The ultimate objective is to achieve a No Further Action (NFA) status under NFA Criterion 5 (Appendix 4-B [NMED, 2004]) and obtain a Class III permit modification to remove Site SS-61 (AOC-1001) from Table A of the HAFB Hazardous Waste Facility Permit No. NM6572124422. NFA Criterion 5 states:

> *"The site was characterized or remediated in accordance with applicable state and/or federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use."*

1.2 HAFB and SS-61 Description and Operational History

HAFB is located in south central New Mexico, in the northwest central part of Otero County, approximately 75 miles north-north-east of El Paso, Texas (Figure 1-1). HAFB has a population of 6,000, and supports approximately 21,000 active-duty Air Force, National Guard, Air Force Reserve, retirees, civilians, and their family members. HAFB occupies about 60,000 acres in the northeast quarter of Section 1, Township 17 South, Range 8 East. The White Sands Missile Range testing facilities occupy additional land extending northward from the Base. Private and public owned lands border the remainder of HAFB. The major highway servicing HAFB is Highway 70, which runs southwest from the town of Alamogordo and separates HAFB from publicly owned lands to the south. Alamogordo is located approximately 7 miles east of the base and has a population of approximately 35,000.

1.2.1 Holloman Air Force Base

HAFB was first established in 1942 as Alamogordo Army Air Field (AAF). From 1942 through 1945, Alamogordo AAF served as the training grounds for over 20 different flight groups, flying primarily B-17s, B-24s, and B-29s. After World War II, most operations had ceased at the base. In 1947, Air Material Command announced the air field would be its primary site for the testing and development of un-manned aircraft, guided missiles, and other research programs. On January 13, 1948, the Alamogordo installation was renamed Holloman Air Force Base, in honor of the late Col. George V. Holloman; a pioneer in guided missile research. In 1968, the 49th Tactical Fighter Wing arrived at HAFB and has remained since. HAFB has also served as the German Air Force's Tactical Training Center since 1996.

1.2.2 Spill Site 61

Site SS-61 is located in an industrial area in the central part of HAFB (Figure 1-2). The site is located north of two hangars, Buildings 1079 and 1080, and is divided by DeZonia Drive that runs east-west through the site (Figure 1-3). The northern section of the site consists of a concrete pad, located southeast of Building 1001 and immediately west of Building 1072, which may have been used for dispensing fuel. Northeast of the concrete pad were two historical aboveground aviation gasoline (AVGAS) storage tanks (ASTs) that have been removed. The ground surface rises approximately 10 feet toward the former AST area. A partial outline of the containment berm in the area of the former northern AST is still visible. The circular berm is approximately 180 feet in diameter, rising approximately 8 feet above grade, and approximately 10 feet wide at the base. No remnant of a berm is visible for the former southern AST.

An 8-inch diameter steel pipe emerging from the ground at a 45º angle, oriented north to south is located within the former southern AST area. The steel pipe has been capped with a steel plate and eight 1-inch bolts. The underground piping can be traced to a T-junction located 600 feet south of the southern AST area and just north of Building 1072. A geophysical survey conducted during the 1999 Phase I Remedial Investigation (RI), traced one branch of the main north-south pipeline west from the T-junction to an area directly north of the concrete pad to two

concrete vaults (Foster Wheeler Environmental Corporation [FWENC], 1999). Based on the results of the geophysical survey it is believed that the pipeline is buried 4 to 6 feet below ground surface. At the pipeline T-junction the pipeline travels to the west and connects to two concrete vaults and a former AST (Figure 1-3). The other piping branch runs 600 feet to the south and connects with a valve vault located southeast of the hangar area (Building 1079).

The southern portion of SS-61, south of DeZonia Drive, consists of one hangar; Building 1079 (Figure 1-3). South of the hangar is the tarmac. Building 1079 was constructed in the 1940s. A geophysical survey conducted during the Phase II RI (Foster Wheeler, 1999), traced the main north-south trending pipeline from the T-junction (described above) to the south underneath Building 1087 to the pipeline terminus [valve vault] near Building 1071.

Site SS-61 includes two PCS source areas which are located north and south of Dezonia Road near Buildings 1071, 1072, 1001, and the Ramp Area. The releases consist of AVGAS used to supply a temporary unit of post World War II piston powered aircraft which were temporarily stationed at HAFB. The AVGAS ASTs and piping system operated approximately between 1946 and the 1950s; which predates the installation of the high pressure water lines and water tower located west of the site. Leaks from this water supply system have resulted in a raised water table which submerged the preceding hydrocarbon release.

1.3 Site Chronology

The chronology of previous investigations and remedial actions conducted at SS-61 is outlined below.

- 1996 - Phase I Resource Conservation and Recovery Act (RCRA) Facility Investigation, Site AOC-1001 (FWENC and Groundwater Technology, Inc. [GTI])
- 1997 - Phase II RCRA Facility Investigation, Site AOC-1001 (FWENC and GTI)
- 1999 - Phase I Remedial Investigation for SS-61 (FWENC)
- 2000 - Phase II Remedial Investigation for SS-61 (FWENC)
- 2004 - Monitored Natural Attenuation for SS-61 (Bhate)
- 2007 – SS-61 Soil Remediation Voluntary Corrective Measures (Bhate)
- 2008 - SS-61 Soil Remediation Voluntary Corrective Measures Addendum (North Wind and Bhate)

Descriptions of these previous investigations and remedial actions are provided in Section 2 of this Work Plan. Sections 2.4 and 2.5 of this Work Plan summarize the subsurface soil and groundwater data collected during the initial SS-61 Voluntary Corrective Measures (VCM) Investigation (2007) and the SS-61 VCM Addendum Investigation conducted in 2008. Collectively these two investigations significantly delineated the vertical and horizontal extent of PCS exceeding action levels. The estimated volume of affected soil is over 170,000 cubic yards (CY), all of which is below the average water table depth of 18 feet (ft) below ground surface (bgs). The two SS-61 PCS source areas are related to a former AVGAS pipeline that traverses approximately 1,200 feet through the site which historically leaked at two locations (a pipeline

T-junction located north of Building 1072 and the pipeline terminus [valve vault] near Building 1071).

The performance of the excavation operations will entail the removal (via track hoe) of all accessible PCS at the two SS-61 source areas. The excavation, transportation, on-site land farming (treatment) and backfilling of PCS will be conducted in accordance with the New Mexico Environment Department (NMED) approved *Final Voluntary Corrective Measures Work Plan Site SS-61 Soil Remediation, Holloman AFB, New Mexico* (Bhate, 2007). However, the current planned area of excavation at the two SS-61 PCS source areas is of a much larger scale than what was originally anticipated in the approved Work Plan. Therefore, the frequency of excavation soil screening (for impacted and un-impacted soils) and confirmation soil sampling will be conducted in accordance with the *Memorandum Revision to Existing Approved Voluntary Corrective Measures Work Plan for Soil Remediation at Site SS-61 Holloman AFB, New Mexico* (Bhate, 2009). The NMED issued a Notice of Conditional Approval (HAFB-05-007 and HAFB-05-008) for this memorandum on September 2, 2009 (NMED, 2009a). The condition is to conduct sampling of the bottom soils of the excavation on a 100 foot grid pattern with the same analytes as the proposed sidewall confirmation sampling. A copy of the memorandum (Bhate, 2009) and NMED Notice of Conditional Approval (NMED, 2009a) are included in Attachment A of this Work Plan.

1.4 Environmental Setting

A detailed description of the environmental setting including the physiography, hydrology, regional geology, regional hydrogeology, climate, and water use are provided in Section 1 of the *Final Voluntary Corrective Measures Work Plan Site SS-61 Soil Remediation, Holloman AFB, New Mexico* (Bhate, 2007). The following two subsections present a discussion of the current site specific geology and hydrogeology from data that was collected during the SS-61 VCM Addendum as presented in the *Voluntary Corrective Measures Addendum Letter Report Site SS-61 Soil Remediation, Holloman AFB, New Mexico* (North Wind, 2009). Applicable tables and figures from the Addendum Letter Report are included in Appendix A-2 of this Work Plan.

1.4.1 Site SS-61 Geology

Site specific geologic information was obtained from the compilation of lithologic data from the 65 soil borings drilled during SS-61 VCM Addendum investigation conducted in late 2008. Continuous lithologic logging was conducted for each borehole drilled in accordance with the Unified Soil Classification System. A summary of the soil borings is included in Table 4-1 in Appendix A-2 of this Work Plan and the borehole logs from this investigation are also included in Appendix A-2 of this Work Plan.

The stratigraphy underlying the site consists primarily of fine-grained silts, clays, and sands. From grade to approximately 14 ft bgs, soils were predominantly dry silty sands and sandy silts. Gypsum cementation and crystals pervaded sandy clay, clayey sand, and silty sand from approximately 14 ft to 40 ft bgs. In addition, occasional layers of interbedded sand and clay

were observed throughout the site below the groundwater table. The groundwater table occurs at 10 to 23 ft bgs.

1.4.2 Site SS-61 Hydrogeology

To determine the groundwater flow direction, and horizontal hydraulic gradient, groundwater elevations were measured at 16 monitoring wells located throughout the SS-61 monitoring well network on December 9, 2008. Groundwater at SS-61 occurs in clayey sands in a shallow unconfined aquifer approximately 10 to 23 ft bgs. Static water elevations at the site ranged from 4,084.47 ft above mean sea level (amsl) at SS61-MW15 to 4,079.32 ft amsl at SS61-MW07. Table 3-1 in Appendix A-2 of this Work Plan presents the groundwater elevation data collected during the December 2008 sampling event and Table 4-2 in Appendix A-2 presents the monitoring well construction details.

A potentiometric surface map of SS-61 was developed using the data collected in December 2008 (see Figure 3-1 in Appendix A-2 of this Work Plan). The SS-61 groundwater flow direction is generally toward the west-northwest, which is different than the typical south-southwest basewide flow direction at HAFB (Figure 1-4). Figure 3-1 in Appendix A-2 also shows the infrastructure of the water main and ancillary water lines that traverse Site SS-61. These water lines transport water from the water tower (located west of SS-61) to various facilities located throughout HAFB. It is believed that these water lines have historically and currently leak which has altered the groundwater flow direction from south-southwest to west-northwest locally at SS-61.

The horizontal hydraulic gradient was calculated along the groundwater flow lines within the SS-61 monitoring well network. The horizontal gradient for SS-61 is 0.0063 feet per foot (ft/ft) and was calculated using water levels obtained from monitoring wells SS61-MW15 (upgradient) and SS61-MW07 (downgradient).

1.5 Regulatory Requirements

On February 24, 2004, the NMED issued the *Holloman Air Force Base Hazardous Waste Facility Permit No. NM6572124422* (NMED, 2004). The regulatory requirements for this project as specified in the HAFB permit include the following:

- Permit Part 4, *Corrective Action*, Section L, *Voluntary Corrective Measures*
- Permit Part 4, Appendix 4-A, Table A SWMUs and AOCs Requiring Corrective Action
- Permit Part 4, Appendix 4-B, Section III, Determination of No Further Action
- Permit Part 4, Appendix 4-F, *Action Levels and Cleanup Levels*

The applicable regulatory soil and groundwater cleanup levels which are specified in the HAFB Hazardous Waste Permit No. NM6572124422, Appendix 4-F are summarized below.

Analytical data obtained from the proposed SS-61 source area(s) remedial action (excavation sidewall and bottom soil confirmation samples) and performance monitoring (soil and groundwater samples) will be evaluated against the applicable regulatory action levels and cleanup levels which are presented in Appendix 4-F of the HAFB Hazardous Waste Permit (NMED, 2004). Performance monitoring will be conducted to determine the effectiveness of remediating inaccessible PCS utilizing in-situ enhanced bioremediation. The soil and groundwater data collected during this SS-61 corrective action will consist of a direct comparison to the applicable action levels. The concentrations of each contaminant detected above the method detection limit (MDL) will be used for comparison. The applicable action levels and cleanup levels will be presented in the SS-61 VCM Closure Report analytical data summary tables for the analytes and media of concern. The following sections present the regulatory criteria for soil and groundwater that will be used to evaluate the confirmation sampling and performance monitoring analytical data.

1.5.1 Soil

1.5.1.1 VOCs and SVOCs

The risk based action levels for unrestricted residential land use provided in Table A-1 (*NMED Soil Screening Levels)* of NMED's *Technical Background Document for Development of Soil Screening Levels, Revision 5.0* (NMED, 2009b) will be used as the primary action levels for volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs). As per the HAFB Permit, Appendix 4-F, Section V.1 (NMED, 2004) if a NMED soil cleanup level has not been established for a hazardous constituent (e.g. 2-methylnapthalene) that constituent will be compared to the United States Environmental Protection Agency (USEPA) Region 6 *Human Health Medium Specific Screening Level* (HHMSSL). However, under an Interagency Agreement as an update of the USEPA Region 3 Risk Based Concentration (RBC) Table, Region 6 HHMSSL Table, and the Region 9 Preliminary Remediation Goal (PRG) Table the Region 6 HHMSSLs have been combined into the Regional Screening Level (RSL) Summary Table (USEPA, 2010).

1.5.1.2 Total Petroleum Hydrocarbons

The action levels for total petroleum hydrocarbons (TPH) are established in the *New Mexico Environment Department TPH Screening Guidelines* (NMED, 2006b). Based on the type of fuel historically stored and transferred by the pipeline at the site (AVGAS) the TPH screening guideline (residential direct exposure), for kerosene and jet fuel (940 milligrams per kilogram [mg/kg]) (Table 2b, NMED, 2006b) will be used as the action level for total TPH concentrations (combined gasoline range organics [GRO], diesel range organics [DRO], and oil range organics [ORO]).

1.5.2 Groundwater

1.5.2.1 VOCs and SVOCs

As per Appendix 4-F (NMED, 2004), there are two applicable action levels for VOC and SVOC contaminants detected in groundwater, the New Mexico Water Quality Control Commission (NMWQCC) groundwater cleanup levels for contaminants (New Mexico Administrative Code [NMAC] 20.6.2.3103) and the USEPA's *National Primary Drinking Water Regulations* (USEPA, 2009a) Maximum Contaminant Levels (MCLs). If both the NMWQCC groundwater standard and an USEPA MCL have been established for an individual constituent, the lower of the two values will be used as the action level for clean up.

1.5.2.2 Total Petroleum Hydrocarbons

The action levels for TPH are established in the *New Mexico Environment Department TPH Screening Guidelines* (NMED, 2006b). The NMED TPH screening guideline for kerosene and jet fuel (15.7 milligrams per liter [mg/L]) will be the action level that will be compared to total TPH concentrations (GRO, DRO, and ORO) detected in groundwater (Table 2b, NMED, 2006b).

1.5.2.3 Total Dissolved Solids

There are also two applicable standards for total dissolved solids (TDS) the NMWQCC groundwater standards for contaminants (NMAC 20.6.2.3103) and the USEPA's *National Primary Drinking Water Regulations* Secondary MCLs (USEPA, 2009a). The lower of the two standards will be used as the action levels for TDS. Additionally, TDS concentrations will be also compared to the HAFB Background, Total Groundwater UTL (pending NMED approval of the *Basewide Background Study Report, Holloman Air Force Base, New Mexico* [NationView|Bhate JV III, 2009]).

1.6 Work Plan Organization

This SVCM Work Plan provides a detailed description of the corrective measures design for the remediation of soil and groundwater contamination present at Site SS-61. This Work Plan also includes a Performance Monitoring Plan to evaluate the effectiveness of the proposed in-situ enhanced bioremediation. Provided in this Work Plan is an overview of the performance monitoring sampling and analysis activities. This SVCM Work Plan is organized as follows:

- Section 1 – Discusses the project objectives, the site setting, regulatory requirements, and the SVCM Work Plan organization.
- Section 2 - Summarizes the findings from the SS-61 VCM (2007) and VCM Addendum (2008) investigations and the conceptual site model.
- Section 3 – Describes the pre-design characterization and summarizes the bench scale study.
- Section 4 – Provides the corrective measures description.

- Section 5 – Presents the corrective measures design.
- Section 6 – Presents the Performance Monitoring Plan.
- Section 7 – Summarizes the methodologies that will be used for conducting a human health risk assessment.
- Section 8 – Details the waste management activities.
- Section 9 - Presents the project quality assurance objectives.
- Section 10 – Describes the health and safety requirements.
- Section 11 – Presents the data management activities.
- Section 12 - Defines the reporting procedures for this corrective action.
- Section 13 – Presents the project organization and schedule for this project.
- Section 14 – Contains the references of publications used to support the development of this SVCM Work Plan.
- The Figures and Tables referenced throughout this Work Plan are included under separate tabs following the text.
- Attachments A through C contain the *Memorandum Revision to Existing Approved Voluntary Corrective Measures Work Plan for Soil Remediation at Site SS-61 (August 2006), Holloman AFB, New Mexico* (Bhate, 2009), the NMED Notice of Conditional Approval (NMED, 2009a), the bench scale test results, and Aerobic In-Situ Enhanced Bioremedition design spreadsheet.
- Appendices A through C provide other key elements of the Work Plan including data from the previous SS-61 VCM investigation (2007) and SS-61 VCM Addendum investigation (2008), the borehole logs and monitoring well construction diagrams from the pre-design characterization study, the Site-Specific Addendum to the Basewide Quality Assurance Project Plan (QAPP) and a Site-Specific Addendum to the Basewide Health and Safety Plan (HASP).

This SVCM Work Plan must be used in conjunction with other relevant plans prepared by Bhate for this project including the following:

- *Final Voluntary Corrective Measures Work Plan Site SS-61 Soil Remediation, Holloman AFB, New Mexico* (Bhate, 2007)
- *Basewide Quality Assurance Project Plan, Holloman Air Force Base, New Mexico* (Bhate, 2003a)
- *Basewide Health and Safety Plan, Holloman Air Force Base, New Mexico* (Bhate, 2003b)

2 HISTORICAL DATA REVIEW AND CONCEPTUAL SITE MODEL

This section presents an overview of the previous historical investigations (1996 – 2005) and a summary of the more recent VCM and the VCM Addendum investigations which were conducted at SS-61 in 2007 and 2008 respectively. Additionally, this section concludes with a current conceptual site model for SS-61. Since 1996, Spill Site 61 has been the subject of a series of environmental investigations related to evaluating the soil and groundwater conditions to determine the source of VOCs detected in groundwater monitoring well MW-29-05 (upgradient monitoring well for Site LF-29, located downgradient of SS-61). It was determined during the VCM investigation conducted in 2007 that the PCS source area is associated with a former AVGAS underground pipeline that runs through SS-61.

The following subsections provide a brief overview of the previous investigations conducted at SS-61 (AOC-1001) from 1996 through 2005 and a detailed review of the more recent VCM investigations (2007 and 2008) and the remedial action (PCS excavation) conducted in 2007.

2.1 Previous SS-61 Investigations (1996 – 2005)

Contamination was initially detected in the vicinity of SS-61 (AOC-1001) during the Phase II RCRA Facility Investigation (RFI) Table 1 Investigation that was conducted at nearby SWMU 104, the Former Army Landfill (Radian, 1995). This SWMU is also known as Environmental Restoration Program (ERP) Site LF-29. During the Phase II Table 1 RFI, four additional groundwater monitoring wells (MW-29-05 through MW-29-08) were installed and a complete round of groundwater sampling and analysis was conducted at LF-29 (8 groundwater monitoring wells). The LF-29 upgradient well MW-29-05 contained benzene at 3,100 micrograms per liter [µg/L]; 1,2-dichloroethane (1,2-DCA) at 350 µg/L; 2,4,6-trinitrotoluene (TNT) at 0.23 µg/L; and 1,3,5-trinitrobenzene at 2.6 µg/L. As the source of the upgradient contamination was expected to be to the southeast of the well (MW-29-05) and to the east of Building 1001, AOC-1001 was identified. A Phase I and II RFI was conducted by FWENC at AOC 1001 during 1996 and 1997. As a result of the RFI, the area previously referred to as AOC-1001 was designated as ERP Site SS-61 in December 1997. A Phase I and II RI was performed by FWENC during at SS-61 1999 and 2000 to further characterize the extent of soil and groundwater contamination north and south of Dezonia Drive. As the RFI and RI failed to identify a specific PCS source area, a monitored natural attenuation study was conducted by Bhate in 2004.

The chronology of these previous investigations conducted at SS-61, based on reports contained in the HAFB Administrative Record is outlined below.

- Phase I RCRA Facility Investigation, Site AOC-1001 (May – June 1996) (FWENC and GTI, 1997)

- Phase II RCRA Facility Investigation, Site AOC-1001 (May – June 1997) (FWENC and GTI, 1997)
- Phase I Remedial Investigation for Spill Site 61 (March – April 1999) (FWENC, 1999)
- Phase II Remedial Investigation for Spill Site 61 (March – June 2000) (FWENC, 2000)
- Monitored Natural Attenuation for SS-61 (April 2004 – January 2005) (Bhate, 2005)

A detailed summary of these investigations, including the findings, is provided in Sections 2.1 through 2.4 of the NMED approved *Final Voluntary Corrective Measures Work Plan Site SS-61 Soil Remediation, Holloman AFB, New Mexico* (Bhate, 2007). Boring logs and sampling locations for these previous RFI and RI activities are included in Appendix A of the Final SS-61 VCM Work Plan (Bhate, 2007).

The following sections (2.2 through 2.5) provide a detailed summary of the soil and groundwater data which was collected during the 2007 VCM and 2008 VCM Addendum investigations. The information presented in these sections was obtained from the *Final Voluntary Corrective Measures Work Plan Addendum Site SS-61 Soil Remediation, Holloman AFB, New Mexico* (North Wind, 2008) and the *Voluntary Corrective Measures Addendum Letter Report Site SS-61 Soil Remediation, Holloman AFB, New Mexico* (North Wind, 2009). The data summary tables and figures from these reports are provided in Appendix A. It should be noted that the following narrative and the referenced Tables and Figures (Appendix A) compares the historical data to the soil and groundwater evaluation criteria which was current in 2008 and 2009 when these documents were written.

2.2 SS-61 VCM Investigation (May 2007)

The section presents a summary of the SS-61 soil and groundwater data collected during the VCM investigation conducted in May 2007. All sampling activities for this investigation were conducted in accordance with the NMED approved *Final Voluntary Corrective Measures Work Plan Site SS-61 Soil Remediation Holloman AFB, New Mexico* (Bhate, 2007). The location of the SS-61 PCS source area was not identified during the previous RFI or RI studies. Therefore, the primary objective of the VCM investigation was to collect sufficient subsurface soil data to delineate the PCS source area located in the vicinity of the AVGAS pipeline T-junction and an abandoned east-west trending underground pipeline associated with the former AST system west of Building 1072 (Figure 1-3). In order to accomplish the objectives of the VCM investigation, the following field activities were conducted in the vicinity of the underground pipeline, concrete pad, and the former AST system:

- Sixteen boreholes (DP58 to DP72 and DP74) were advanced using a direct push technology (DPT) drill rig to collect subsurface soil samples for chemical analysis. The total depth of these boreholes ranged from 16.5 to 27.5 ft bgs. A total of 24 soil samples were analyzed by an offsite laboratory for VOCs, SVOCs, RCRA metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver) and TPH for DRO, GRO, and ORO.

- A total of four geotechnical samples were collected from DPT boreholes DP71 to DP74. Geotechnical samples were analyzed for moisture content, dry bulk density, specific gravity, and fractional organic carbon.
- Ten of the sixteen DPT boreholes were converted into temporary monitoring wells (TMW59 to TMW65, TMW67, TMW69, and TMW70).
- Two new permanent monitoring wells (SS61-MW13 and MW14) were installed approximately 200 and 600 feet downgradient of existing monitoring well SS61-MW03. These wells were installed to monitor the downgradient extent of the VOC plume migration.
- One round of groundwater samples were collected from the 10 temporary monitoring wells and 16 new and previously installed monitoring wells (SS61-MW02, SS61-MW03, SS61-MW05 to SS61-MW10, SS61-MW12 to SS61-MW14, MW-29-02 to MW-29-05 and MW-29-08). A total of 16 groundwater samples were analyzed by an offsite laboratory for VOCs, SVOCs, RCRA metals, TPH (DRO/GRO/ORO), and TDS.
- A round of groundwater elevation measurements were collected from the 16 wells listed above to develop a current potentiometric surface map.

The soil and groundwater analytical data tables, figures, drilling logs, monitoring well construction diagrams, monitoring well development/sample collection forms and laboratory analytical data packages for the SS-61 VCM investigation and remedial action (PCS source removal) presented in the *Final Voluntary Corrective Measures Work Plan Addendum Site SS-61 Soil Remediation, Holloman AFB, New Mexico* (North Wind, 2008) are included in Appendix A-1 of this Work Plan.

2.2.1 Subsurface Soil Analytical Results

The 28 soil samples (including three duplicates) collected from the 16 DPT soil borings (SS61-DP58 through SS61-DP72 and SS61-DP74) were analyzed for VOCs; SVOCs; TPH-GRO, -DRO and -ORO; and RCRA metals. The soil analytical results (detections and estimated values only) are summarized in Table 2-1 in Appendix A-1 and the soil boring locations are shown on Figure 2-2 in Appendix A-1. The drilling logs for the VCM investigation (May 2007) are also included in Appendix A-1 of this Work Plan (provided on an enclosed CD).

Twenty two VOCs were detected above the MDL in soil samples collected from 14 of the 16 SS-61 DPT boreholes. Of the 22 VOCs detected above the MDL, seven (benzene, hexane, 1,2,4-trimethybenzene, 1,3,5-trimethybenzene, toluene, m,p-xylene, and o-xylene) were detected above the NMED Soil Screening Levels (SSLs) (NMED, 2006a) in the three subsurface soil samples collected from SS61-DP60. All other VOC detections were below the SSLs. The highest concentrations of the seven VOCs were detected within a dark gray discolored zone with a strong petroleum odor (1,013 – 1,780 parts per million [ppm] photoionization detector reading [PID]) in DP60 from 10 to 25 ft bgs. The maximum VOC concentrations were detected in sample SS61-DP60-19 collected from 19 ft bgs where benzene was reported at 146,000

micrograms per kilogram (µg/kg); hexane at 149,000J (estimated value) µg/kg; 1,2,4-trimethybenzene at 182,000 µg/kg; 1,3,5-trimethybenzene at 94,300 µg/kg; toluene at 1,030,000 µg/kg; m,p-xylene at 771,000 µg/kg; and o-xylene at 284,000 µg/kg. Each of the seven VOCs was detected significantly above their respective NMED SSLs (NMED, 2006a).

Twenty SVOCs were detected above the MDL in four of the sixteen SS-61 soil borings. All of the detected SVOCs were well below their respective SSLs (NMED, 2006a). The highest concentrations of SVOCs were detected in sample SS61-DP65-19 where 1,2-dichlorobenzene was reported at 2,010 µg/kg; 1,3-dichlorobenzene at 1,110 µg/kg; and 1,4-dichlorobenzene at 1,140 µg/kg. The NMED SSLs for these compounds are 37,400 µg/kg, 32,600 µg/kg, and 39,500 µg/kg, respectively.

TPH fractions GRO ($C_6 - C_{10}$) and/or DRO ($C_{10} - C_{22}$) were detected above the MDLs in soil samples collected from 10 of the 16 DPT boreholes. The highest concentrations of GRO (11,000 mg/kg) and DRO (327 mg/kg) were detected in the soil samples collected from boring DP60 and DP65 respectively. TPH GRO was detected above the NMED TPH Screening Guideline for kerosene and jet fuel of 940 mg/kg (NMED, 2006b) in four soil samples. The soil samples with detections of GRO above the TPH screening guideline include SS61-DP60-14 (8,050 mg/kg), SS61-DP60-19 (11,000 mg/kg), SS61-DP60-24 (1,530 mg/kg), and SS61-DP62-21 (1,130 mg/kg). All other soil samples had combined TPH GRO, DRO, and ORO concentrations below the NMED TPH screening guideline for kerosene and jet fuel (940 mg/kg) (NMED, 2006b). Additionally the TPH fraction ORO ($>C_{22} - C_{36}$) was detected in only one sample (SS61-DP65-19) with a concentration of 33.7J mg/kg.

Seven of the eight RCRA metals were detected above the MDL in soil samples collected during the SS-61 VCM investigation. With the exception of one arsenic detection, all of the RCRA metals were detected below their respective SSLs (NMED 2006a). Arsenic was detected in DP59 at 25 ft bgs at a concentration of 4.1 mg/kg. Although this singular detection slightly exceeds the arsenic SSL of 3.9 mg/kg, it most likely represents the natural variability in soil geochemistry.

2.2.2 Groundwater Analytical Results

The 29 groundwater samples (including 3 duplicates) were collected from 16 permanent monitoring wells (SS61-MW02, SS61-MW03, SS61-MW05 to SS61-MW10, SS61-MW12 to SS61-MW14, MW-29-02 to MW-29-05, and MW-29-08) and 10 temporary monitoring wells (SS61-TMW59 to SS-61-TMW65, SS61-TMW67, SS61-TMW69, and SS61-TMW70). The groundwater samples collected from these wells were analyzed for VOCs; SVOCs; TPH-GRO, -DRO, and -ORO; RCRA metals; and TDS. The groundwater analytical results (detections and estimated values only) are summarized in Table 2-2 in Appendix A-1 of this Work Plan. The temporary and permanent monitoring well locations that were sampled during the VCM investigation are shown on Figure 2-3 in Appendix A-1. The temporary and permanent well construction diagrams for this investigation (May 2007) are also included in Appendix A-1 (provided on an enclosed CD).

Twenty five VOCs were detected above the MDL in groundwater samples collected in 23 wells that were sampled as part of the SS-61 monitoring well network (May 2007). Of the 25 VOCs detected above the MDL, 10 VOCs (benzene; 1,2-dibromoethane; 1,2-dichloroethane; o-dichlorobenzene; ethylbenzene; methylene chloride; trichloroethylene; toluene; m,p-xylene; and o-xylene) were detected above the NMWQCC standards (NMAC 20.6.2.3103) and/or the USEPA MCL (USEPA, 2003). Benzene and 1,2-DCA were the most widely distributed VOCs that were detected above the NMWQCC standards. Sixteen wells had concentrations of one or more VOCs detected above the NMWQCC standards and/or the USEPA MCLs. Benzene was detected in 12 wells above the NMWQCC standard (10 µg/L) and the USEPA MCL (5 µg/L) with concentrations ranging from 29.1 µg/L to 18,300 µg/L (SS61-TMW60). 1,2-DCA was detected in 8 wells above the NMWQCC standard (10 µg/L) and the USEPA MCL (5 µg/L) with concentrations ranging from 5.4 µg/L to 93.0 µg/L (SS61-TMW60). Isocontour maps depicting the distribution of benzene and 1,2-DCA detected in the groundwater at SS-61 during the May 2007 sampling event are shown on Figures 2-4 and 2-5 in Appendix A-1 respectively. Additionally, an elevated concentration of benzene (503 µg/L) above the NMWQCC standard and the USEPA MCL was detected in monitoring well SS61-MW10. Monitoring well SS61-MW10 is located about 40 ft downgradient from the AVGAS pipeline valve vault (see Figure 2-3 in Appendix A-1). The maximum concentrations of ethylbenzene (1,710 µg/L); toluene (19,700 µg/L); m,p-xylene (6,430 µg/L); and o-xylene (3,030 µg/L) were detected in the groundwater sample collected from temporary monitoring well SS61-TMW60.

The four remaining VOCs detected above the NMWQCC standards and/or the USEPA MCLs were scattered and detected in one to three monitoring wells. The maximum concentration of methylene chloride (554 µg/L) was detected in the sample collected from SS61-TMW63. The highest concentrations of 1,2-dibromoethane (1,100 µg/L); o-dichlorobenzene (1,750 µg/L); and trichloroethylene (11.4 µg/L) were detected in monitoring wells SS61-TMW60, SS61-TWM65, and SS61-MW02 respectively.

Fifteen SVOCs were detected above the MDL in groundwater samples collected from 12 wells. With the exception of 1,2-dichlorobenzene and 1,4-dichlorobenzene that was detected in the groundwater sample collected from SS61-TMW65, all of the other detected SVOCs were below their respective NMWQCC standard (NMAC 20.6.2, 2002) and/or the USEPA MCL (USEPA, 2003). Temporary monitoring well SS61-TMW65 had concentrations of 1,2-dichlorobenzene (1,500 µg/L) and 1,4-dichlorobenzene (695 µg/L) that were above the USEPA MCLs of 600 µg/L and 75 µg/L, respectively.

TPH fractions GRO ($C_6 - C_{10}$), DRO ($C_{10} - C_{22}$), and/or ORO ($C_{22} - C_{36}$) were detected above the MDLs in groundwater samples collected from 17 monitoring wells. The highest concentrations of GRO (870 mg/L) and DRO (6.51 mg/L) were detected in the groundwater sample collected from SS61-TMW60. Monitoring well SS61-TMW70 contained the highest detection of TPH-ORO with a concentration of 0.728 mg/L.

Seven of the eight RCRA metals were detected above the MDL. With the exception of arsenic, all of the RCRA metals were detected below their respective NMWQCC standards (NMAC

20.6.2.3103) or USEPA MCLs (USEPA, 2003). Arsenic was detected above the USEPA MCL of 10 µg/L in 10 monitoring wells at concentrations ranging from 11.4 µg/L (SS61-MW02) to 31.2 µg/L (SS61-MW06). All of these arsenic detections are below the NMWQCC standard for arsenic of 100 µg/L, and most likely represent the natural variability of groundwater geochemistry at the site.

TDS concentrations ranged from 2,670 mg/L (SS61-MW10) to 29,400 mg/L (SS61-TMW69) and exceeded the NMWQCC standard (1,000 mg/L) in each of the 26 wells sampled. TDS also exceeded the limit of 10,000 mg/L used to determine groundwater potability in 14 wells. TDS concentrations less than 10,000 mg/L in the other 12 wells is most likely due to leaking underground water lines that traverse the site and connect to the water tank located west of the SS-61 site boundary.

2.3 SS-61 VCM PCS Excavation (June – July 2007)

This section describes the SS-61 VCM PCS excavation performed by Bhate at SS-61 in June/July 2007. Based on the analytical results from the VCM investigation performed in May 2007, the target area of the SS-61 VCM PCS excavation centered around the AVGAS pipeline T-junction located immediately north of Building 1072 (see Figure 2-6 in Appendix A-1 of this Work Plan). The initial SS-61 PCS target area was based on the elevated concentrations of VOCs (benzene; hexane; 1,2,4-trimethybenzene; 1,3,5-trimethybenzene; toluene; m,p-xylene; and o-xylene) and TPH-GRO detected in the three subsurface soil samples collected from DPT borehole SS61-DP60 (shown on Figure 2-6 in Appendix A-1). The concentrations of these contaminants were orders of magnitude higher than of any of the other subsurface soil samples collected during the VCM investigation (May 2007).

The area of the PCS excavation at SS-61 was approximately 10,000 square feet to an average depth of 28-32 ft bgs. Figure 2-6 in Appendix A-1 also shows the boundaries of the SS-61 excavation. The calculated volume of soil removed from the SS-61 excavation was approximately 12,000 cubic yards. Four sidewall and two floor samples were collected from the SS-61 excavation for offsite laboratory analysis. Excavation sidewall and floor confirmation samples were analyzed for VOCs, SVOCs, and TPH (GRO, DRO, and ORO).

2.3.1 SS-61 Excavation Confirmation Soil Sampling Results

Confirmation soil samples were collected at a total of six locations along the perimeter and the floor of the SS-61 PCS excavation (shown on Figure 2-6 in Appendix A-1). The soil analytical results (detections and estimated values only) are summarized in Table 2-3 in Appendix A-1.

Eleven VOCs were detected above the MDL in all six excavation samples. Of the 11 VOCs detected above the MDL three VOCs (1,2,4-trimethylbenzene; isopropylbenzene; and total xylenes) were detected above the 2006 NMED SSLs (NMED, 2006a) in four of the excavation samples. The highest concentrations of 1,2,4-trimethylbenzene (139,000 µg/kg); isopropylbenzene (280,000 µg/kg); and total xylenes (245,000 µg/kg) were detected in sidewall

sample SS61NE-2-26 at a depth of 26 ft bgs. Elevated concentrations of total xylenes above the NMED SSL were also detected in samples SS61EP-25 (119,000 µg/kg), SS61NE-20 (86,100 µg/kg), and SS61SE-20 (134,000 µg/kg) (see Table 2-3 in Appendix A-1).

TPH GRO ($C_6 - C_{10}$) was detected above the MDLs in all six SS-61 excavation confirmation soil samples and TPH DRO ($C_{10} - C_{22}$) was detected in four samples. The highest concentrations of GRO (8,210 mg/kg) and DRO (24 mg/kg) were also detected in excavation confirmation soil sample SS61NE-2-26. TPH-GRO was detected above the NMED TPH Screening Guideline for kerosene and jet fuel (940 mg/kg) (NMED, 2006b) in all six excavation confirmation soil samples (see Table 2-3 in Appendix A-1). The TPH fraction ORO ($>C_{22} - C_{36}$) was not detected in any of the samples collected during this investigation. Additionally, all SVOC analytes were not detected.

2.3.2 Extent of Contamination

Based on the SS-61 PCS source area excavation, it was determined that the source area extended well below the water table (20 ft bgs). Furthermore, the results of the six excavation confirmation samples indicated that the SS-61 PCS source area was much larger (vertically and horizontally) than what was originally anticipated in the SS-61 VCM Work Plan (Bhate, 2007). After the removal of 12,000 cubic yards (100 ft x 100 ft x 32 ft deep) of PCS and clean overburden, the vertical extent of the PCS was determined to be at least 32 ft bgs (based on additional on site TPH analysis with the field fluorometer (SiteLAB® Analytical Test Kit ultra violet fluorometer [UVF]-3100A). Additionally, the lateral extent of the submerged PCS source area was not well understood.

As the limits of the PCS source area exceeded the scope of the SS-61 VCM Work Plan (Bhate, 2007) it was decided to remobilize the DPT drill rig to determine the boundaries of the pipeline T-junction source area and to determine the source of PCS that has impacted monitoring well SS61-MW10 with a high detection of benzene (503 µg/L). As part of the VCM investigation, 11 additional DPT soil borings were advanced, four around the pipeline valve vault located upgradient of monitoring well SS61-MW10 and seven in the vicinity of the SS-61 PCS excavation located north of Building 1072.

2.4 SS-61 VCM Investigation (August 2007)

This section presents the SS-61 soil data obtained during the follow on VCM investigation conducted in August 2007. The DPT drilling and soil sampling was also conducted in accordance with the *Final Voluntary Corrective Measures Work Plan Site SS-61 Soil Remediation Holloman AFB, New Mexico* (Bhate, 2007).

2.4.1 Purpose

The purpose of the additional DPT drilling and soil sampling was to delineate the extent of PCS contamination outside of the excavation boundary and to determine if the pipeline valve vault

located at the south end of the AVGAS pipeline is the source area for the elevated benzene detected in monitoring well SS61-MW10. In order to accomplish this objective, 11 additional DPT boreholes were advanced at SS-61 and the following field activities were performed:

- Seven boreholes (DP75 to DP79, DP84, and DP85) were advanced using a DPT drill rig to collect subsurface soil samples for chemical analysis in the vicinity of the SS-61 excavation. The total depth of these boreholes ranged from 20 to 27.5 ft bgs. A total of 14 soil samples were analyzed by an offsite laboratory for VOCs and TPH-GRO.

- Four boreholes (DP80 to DP83) were installed by the DPT drill rig to collect subsurface soil samples for chemical analysis around the perimeter of the pipeline valve box located at the south end of the pipeline. The total depth of these boreholes ranged from 22 to 25 ft bgs. A total of eight soil samples were analyzed by an offsite laboratory for VOCs; SVOCs; RCRA metals; and TPH-DRO, -GRO, and -ORO.

2.4.2 Subsurface Soil Analytical Results

The soil analytical results (detections and estimated values only) for the follow on VCM investigation conducted in August 2007 are summarized in Table 2-4 in Appendix A-1 of this Work Plan and the locations of the 11 soil borings advanced during the additional VCM investigation are shown on Figure 2-7 in Appendix A-1. The drilling logs for the August 2007 VCM investigation are also included in Appendix A-1 (provided on an enclosed CD).

2.4.2.1 SS-61 Excavation Area

Seventeen VOCs were detected above the MDL in the 14 soil samples collected from the 7 DPT boreholes (DP75 to DP79, DP84, and DP85) that were advanced in the vicinity of the east and south sides of the SS-61 PCS excavation during the August 2007 VCM investigation (see Figure 2-7 in Appendix A-1). However, the only soil sample with VOC concentrations above the 2006 NMED SSLs (NMED, 2006a) were detected in sample SS61-DP85-25 collected at 25 ft bgs. SS61-DP85 was located approximately 25 feet southwest of the SS-61 excavation. Five VOCs including benzene (18,200 µg/kg); hexane (39,000 µg/kg); 1,2,4-trimethylbenzene (76,200 µg/kg); 1,3,5-trimethylbenzene (36,900 µg/kg); and m,p-xylene (103,000 µg/kg) were each detected above their respective SSL. The 13 other soil samples collected from these boreholes had VOC concentrations well below the SSLs.

TPH fraction GRO ($C_6 - C_{10}$) was detected above the MDL in five boreholes (DP77, DP78, DP79, DP84, and DP85) at 25 ft bgs. The TPH-GRO concentrations for these samples ranged from 20.4 to 430 mg/kg which are all below the NMED TPH Screening Guideline for kerosene and jet fuel (940 mg/kg) (NMED, 2006b). The highest concentration of TPH-GRO (430 mg/kg) was detected in sample SS61-DP85-25. The TPH fractions DRO and ORO were not analyzed for during this sampling event.

2.4.2.2 Valve Vault Area

Fourteen VOCs were detected above the MDL in the seven soil samples collected from four DPT boreholes (DP80 to DP83) that were drilled around the perimeter of the concrete valve vault located at the south end of the main underground pipeline (see Figure 2-7 in Appendix A-1).

Of the 14 VOCs detected above the MDL, six VOCs (benzene; hexane; isopropylbenzene; 1,2,4-trimethybenzene; 1,3,5-trimethybenzene; and m,p-xylene) were detected above the 2006 NMED SSLs (NMED, 2006a) in the subsurface soil samples collected from four SS-61 valve vault boreholes (DP80 to DP83). All other VOC detections were below the SSLs. The highest concentrations of the six VOCs detected above the SSLs were located within a grayish black discolored zone with a strong petroleum odor (532 to 618 ppm PID reading) which was observed in DP81 from 9.5 to 22 ft bgs. The maximum VOC concentrations were detected in samples SS61-DP81-15 and SS61-DP81-22 collected from 15 and 22 ft bgs respectively. The maximum concentrations of benzene (102,000 µg/kg); isopropylbenzene (470,000 µg/kg); 1,2,4-trimethybenzene (112,000 µg/kg); and 1,3,5-trimethybenzene (92,100 µg/kg) were detected in sample SS61-DP81-15. The maximum concentrations of hexane (77,600 µg/kg) and m,p-xylene (105,000 µg/kg) were detected in soil sample SS61-DP81-22. Each of the six VOCs was detected significantly above their respective NMED SSLs (NMED, 2006a) and all exceedences above the SSLs are shown on Figure 2-8 in Appendix A-1.

Six SVOCs were detected above the MDL in each of the four SS-61 valve vault soil borings. All of the detected SVOCs (eight samples) were well below their respective SSLs (NMED, 2006a). The highest concentrations of SVOCs were also detected in the two samples collected from SS61-DP81 where 2,4-dichlorophenol was reported at 140 J µg/kg; 2,4-dimethylphenol at 120J µg/kg; 3&4-methylphenol at 50.9J µg/kg; and phenol at 909 µg/kg.

TPH fractions GRO ($C_6 - C_{10}$), DRO ($C_{10} - C_{22}$), and/or ORO ($>C_{22} - C_{36}$) were detected above the MDLs in all eight soil samples collected from the four valve vault boreholes. Five samples had TPH-GRO concentrations above the NMED TPH Screening Guideline for kerosene and jet fuel (940 mg/kg) (NMED, 2006b). The highest concentrations of GRO (19,800 and 9,100 mg/kg) were detected in the two soil samples collected from SS61-DP81 at 15 and 22 ft bgs. Additionally the highest concentrations of TPH-DRO (771 mg/kg) and ORO (7.28 mg/kg) were detected in samples SS61-DP80-10 and SS61-DP81-15, respectively. Each of the four valve vault boreholes had TPH-GRO concentrations above the NMED TPH Screening Guideline for kerosene and jet fuel (940 mg/kg). The TPH-GRO analytical data for the SS-61 valve vault boreholes is also depicted on Figure 2-8 in Appendix A-1.

Six of the eight RCRA metals were detected above the MDL in soil samples collected from the eight SS-61 valve vault soil samples. Each of the six metals (arsenic, barium, cadmium, chromium, lead, and mercury) was detected at levels below their respective SSLs (NMED, 2006a).

2.5 SS-61 VCM Addendum Investigation (Nov – Dec 2008)

This section presents a summary of the SS-61 soil and groundwater data collected during the VCM Addendum conducted by North Wind, Inc. (NWI) and Bhate from November through December of 2008. The SS-61 VCM Addendum was conducted in accordance with the *Final Voluntary Corrective Measures Work Plan Addendum Site SS-61 Soil Remediation Holloman AFB, New Mexico* (Northwind, 2008). The objectives of the SS-61 VCM Addendum were to review available information; collect additional soil and groundwater data; and to characterize the quantity, concentration, and extent of PCS located at the two previously identified SS-61 source areas. Specifically, the two PCS source areas are the former AVGAS pipeline T-junction and the pipeline valve vault. The AVGAS pipeline originates 500 ft north of Building 1072 and terminates at a valve vault located 75 ft southeast of Building 1079. As a result of the VCM investigation, the SS-61 site boundary was enlarged to include the entire 1,200 ft length of the 8inch diameter AVGAS pipeline (see Figure 1-1 in Appendix A-2 of this Work Plan). The primary purpose of VCM Addendum investigation was to comprehensively delineate the vertical and lateral extent of PCS located below the water table for providing a better understanding of the SS-61 conceptual site model for additional PCS remediation.

The following activities were performed at SS-61 by Bhate and NWI in November/December 2008 to meet the SS-61 VCM Addendum objectives:

- Advanced 65 deep (35 – 50 ft bgs) boreholes (SS61-SB01 through SS61-SB65) using hollow stem auger drilling methods. Collected three soil samples per borehole (195 total) to define the extent of PCS at the site. Analyzed each soil sample for the following parameters:
    - VOCs using USEPA Method 8260B
    - TPH (GRO, DRO, and ORO) by modified USEPA Method 8015B
- Converted 6 of the 65 soil borings into temporary monitoring wells (SS61-TMW80 through TMW85).
- Installed two permanent monitoring wells (SS61-MW15 and SS61-MW16) downgradient of the AVGAS pipeline valve vault.
- Collected a round of groundwater samples from the two new permanent monitoring wells, five of the six new temporary monitoring wells (SS61-TMW80 through SS61-TMW83 and SS61-TMW85), and from 13 existing monitoring wells (SS61-MW03, SS61-MW06, SS61-MW08 through SS61-MW10, SS61-MW13, SS61-MW14, SS61-TMW61, SS61-TMW63, SS61-TMW69, MW29-02, MW29-05, and MW29-08). Analyzed each groundwater sample for the following parameters:
    - VOCs using USEPA Method 8260B
    - TPH (GRO/DRO/ORO) by USEPA Method 8015B
    - TDS by USEPA Method 160.1 (permanent monitoring wells only)

- Collected a round of groundwater elevation measurements from 16 permanent monitoring wells to develop a current potentiometric surface map of the SS-61 area.
- Conducted a video camera survey to evaluate the physical condition of the AVGAS pipeline (approximately 1,200 linear ft) to identify any unknown segments of pipeline and/or to determine if there are any additional pipe joints which may have leaked.

The soil and groundwater analytical data tables, figures, drilling logs, monitoring well construction diagrams, monitoring well development/sample collection forms, and laboratory analytical data packages for the SS-61 VCM Addendum investigation presented in the *Voluntary Corrective Measures Addendum Letter Report Site SS-61 Soil Remediation, Holloman Air Force Base, New Mexico* (North Wind, 2009) are included in Appendix A-2 of this Work Plan (on enclosed CD).

2.5.1 Subsurface Soil Analytical Results

Subsurface soil samples were collected from 65 soil borings that were drilled within a large grid network that surrounded the AVGAS pipeline T-junction and a smaller grid network that encompassed the AVGAS pipeline valve vault. A total of 215 soil samples (including 20 duplicate samples) were collected from soil borings SS61-SB01 through SS61-SB65 during the SS-61 VCM Addendum investigation. Each soil sample was analyzed for VOCs and TPH (GRO, DRO, and ORO). The subsurface soil samples collected during the investigation were collected from various depths ranging between 7 to 40 ft bgs.

The objective of the subsurface soil sampling was to delineate the horizontal and vertical extent of the PCS horizon at the two AVGAS pipeline source areas. This was accomplished by collecting three soil samples per borehole. One sample was collected from the PCS horizon and the other two samples were collected above and below the PCS in relatively "clean" soil horizons. The last two digits of the sample identification number indicate the bottom depth of the sample interval. The drilling logs for the boreholes advanced during this investigation (November – December 2008) are included in Appendix A-2 (provided on an enclosed CD). The following two subsections summarize the analytical results including the nature and extent of PCS at the two SS-61 pipeline source areas.

2.5.1.1 Pipeline T-Junction PCS Source Area

A total of 54 boreholes were advanced in a large grid network (50 and 100 ft centers) in the area of the AVGAS pipeline T-junction (shown on Figure 4-1 in Appendix A-2). The 178 soil samples (including 16 duplicates) collected from these 54 boreholes were analyzed for VOCs and TPH (GRO, DRO, and ORO). The subsurface soil analytical results (detections and estimated values only) for the pipeline T-junction source area are summarized in Table 6-1 in Appendix A-2. The soil boring locations and analytical results above NMED SSLs and/or TPH screening guidelines are presented on Figure 6-1 in Appendix A-2. The following sections

present the results of the subsurface soil sampling program and the nature and extent of the PCS horizon at the pipeline T-junction source area.

Volatile Organic Compound Results

A total of 29 VOCs were detected above the MDL in the 178 subsurface soil samples collected in the vicinity of the pipeline T-junction PCS source area (see Table 6-1 in Appendix A-2). One or more VOCs were detected above the MDL in each of the 54 boreholes advanced at the pipeline T-junction source area. Of the 29 VOCs detected above the MDL, three (benzene; hexane; and m,p-xylene) were detected above the 2006 NMED SSLs (NMED, 2006a). All other detected VOCs were below their respective SSLs. The highest concentrations of VOCs were detected within a dark gray discolored zone (PCS horizon) that had a strong petroleum hydrocarbon odor (750 to 1,938 ppm PID reading) from 20 to 33 ft bgs.

As shown in Figure 6-1 in Appendix A-2, there are seven boreholes (SS61-SB04, -SB14, -SB16, -SB23, -SB46, -SB48, and -SB55) that had VOC detections above the NMED SSLs (pipeline T-junction PCS source area). Benzene was detected above the NMED SSL (10.3 mg/kg) in each of the referenced boreholes with concentrations ranging from 18,500 to 32,200 µg/kg (18.5 to 32.2 mg/kg). The maximum concentration of benzene (32,200 µg/kg) was detected in soil sample SS61-SB04-31 collected at 31 ft bgs. Soil boring SB04 is located approximately 300 ft west (downgradient) from the AVGAS pipeline T-junction. This sample also had elevated concentrations of hexane (52,100 µg/kg) and m,p-xylene (93,000 µg/kg) that were above their SSLs (38 and 82 mg/kg respectively). Hexane and m,p-xylene were not detected above their SSLs in any other samples collected during this investigation.

Total Petroleum Hydrocarbons

TPH fractions GRO ($C_6 - C_{10}$), DRO ($C_{10} - C_{22}$), and/or ORO ($C_{22} - C_{36}$) were detected above the MDLs in soil samples collected from 53 of the 54 pipeline T-junction PCS source area boreholes (see Table 6-1 in Appendix A-2). TPH GRO was detected above the NMED TPH Screening Guideline (Residential Direct Exposure) for kerosene and jet fuel (940 mg/kg [NMED, 2006b, Table 2b]) in 30 soil samples (including duplicates) collected from 24 boreholes (see Figure 6-1 in Appendix A-2). Concentrations of TPH-GRO above the NMED Screening Guideline ranged from 1,120 to 6,340 mg/kg. The maximum concentration of TPH-GRO (6,340 mg/kg) was detected in soil sample SS61-SB18-28 collected at 28 ft bgs. Soil boring SB18 is located approximated 40 ft east (upgradient) of the AVGAS pipeline T-junction. Furthermore, the highest concentrations of TPH-GRO were also detected within the dark gray PCS horizon that had a strong petroleum hydrocarbon odor from 20 to 33 ft bgs.

All of the other soil samples collected from the pipeline T-junction source area had combined TPH-GRO, -DRO, and -ORO concentrations below the NMED TPH screening guideline for kerosene and jet fuel (940 mg/kg) (NMED 2006b, Table 2b). TPH-DRO was detected in 17 soil samples (including duplicates) with concentrations ranging from 6.78J to 294 mg/kg (SS61-

SB38-20) and TPH-ORO was detected in 11 samples (including duplicates) with concentrations ranging from 7.02J to 141 mg/kg (SS61-SB16-35).

Nature and Extent of PCS Horizon

As described above, the highest concentrations of TPH and VOCs were detected within the dark gray PCS horizon located at approximately 20 to 33 ft bgs. Twenty five of the fifty four boreholes that were drilled at the pipeline T-junction PCS source area had TPH-GRO and/or VOCs concentrations that exceeded NMED action levels (see Figure 6-1 in Appendix A-2). Furthermore, 24 of the 25 boreholes with exceedences had TPH-GRO concentrations above the NMED Screening Guideline for kerosene and jet fuel (940 mg/kg). Based on the distribution of boreholes with TPH-GRO (and/or VOC) exceedences, the areal extent of the PCS horizon encompasses an area of approximately 625 ft by 600 ft (375,000 square feet [sq ft] or 8.6 acres) in the vicinity of the AVGAS pipeline T-junction (see Figure 6-2 in Appendix A-2).

Site specific information on the extent and thickness of the PCS horizon was obtained from the compilation of lithologic and sampling data from the 54 soil borings that were drilled in the vicinity of the pipeline T-junction PCS source area during this investigation. Each borehole was continuously sampled and the thickness of the visibly stained (dark gray) PCS horizon was noted on each soil boring log.

Two site specific cross sections were developed from 18 of the soil borings that were drilled within the pipeline T-junction PCS source area. Figure 4-1 in Appendix A-2 shows the soil boring locations and the lines of the PCS horizon cross sections for A-A' and B-B'. Figures 6-3 and 6-4 in Appendix A-2 present the east to west and north to south cross sections depicting the visibly gray stained PCS horizon that was delineated within the pipeline T-junction source area. In general the top of the PCS horizon was encountered at 25.25 ft bgs (4,072.75 ft amsl), has an average thickness of 8 ft and terminates at approximately 33.25 ft bgs (4,064.75 ft amsl).

2.5.1.2 Pipeline Valve Vault PCS Source Area

A total of 11 boreholes were drilled within a smaller grid network located in vicinity AVGAS pipeline valve vault located 100 ft southeast of Building 1079 (see Figure 4-2 in Appendix A-2). A total of 37 soil samples (including 4 duplicates) were collected from these boreholes and were also analyzed for VOCs and TPH (GRO, DRO, and ORO). The subsurface soil data for the valve vault source area soil borings is summarized in Table 6-2 in Appendix A-2 and the soil boring locations and results above NMED action levels are presented on Figure 6-5 in Appendix A-2. The following sections present the results of the subsurface soil sampling program and the nature and extent of the PCS horizon at the pipeline valve vault source area.

Volatile Organic Compound Results

A total of 18 VOCs were detected above the MDL in the 37 subsurface soil samples collected in the vicinity of the pipeline valve vault PCS source area (see Table 6-2 in Appendix A-2).

Additionally, one or more VOCs were detected above the MDL in 10 of the 11 boreholes drilled at the valve vault source area. All of the detected VOCs were well below their respective SSLs (NMED, 2006a). VOCs were not detected in the three samples collected from soil boring SS61-SB65. The highest concentrations of VOCs were detected in soil sample SS61-SB32-17 where isopropylbenzene was reported at 80,000 µg/kg, ethylbenzene at 9,820 µg/kg, and methylene chloride at 4,030 µg/kg. The NMED SSLs for these compounds are 271,000 µg/kg, 128,000 µg/kg, and 182,000 µg/kg respectively. Soil boring SB32 is located 5-ft west (downgradient) of the AVGAS pipeline valve vault. The highest concentrations of VOCs were detected within a dark gray discolored zone (PCS horizon) that had a strong petroleum hydrocarbon odor (533 to 2,195 ppm PID reading) from 17 to 28 ft bgs.

Total Petroleum Hydrocarbons

The TPH fraction GRO ($C_6 - C_{10}$) was detected above the MDL in soil samples collected from 10 of the 11 pipeline valve vault PCS source area boreholes (see Table 6-2 in Appendix A-2). TPH-GRO was detected above the NMED TPH Screening Guideline (Residential Direct Exposure) for kerosene and jet fuel (940 mg/kg [NMED, 2006b, Table 2b]) in three soil samples (including duplicates) collected from three boreholes (SB32, SB33, and SB43) (see Figure 6-5 in Appendix A-2). Concentrations of TPH-GRO above the NMED Screening Guideline ranged from 943 to 1,710 mg/kg. The maximum concentration of TPH-GRO (1,710 mg/kg) was detected in soil sample SS61-SB32-17 collected at 17 ft bgs. Soil boring SB32 is located 5-ft west (downgradient) of the AVGAS pipeline valve vault. Additionally, the highest concentrations of TPH-GRO were also detected within the dark gray PCS horizon with a strong petroleum hydrocarbon odor from 17 to 28 ft bgs.

All of the other soil samples collected from the pipeline valve vault source area had combined TPH-GRO, -DRO, and -ORO concentrations below the NMED TPH screening guideline for kerosene and jet fuel (940 mg/kg). TPH-DRO was detected in one soil sample at a concentration of 6.18J mg/kg (SS61-SB32-17). TPH-ORO was not detected in any of the valve vault source area soil samples.

Nature and Extent of PCS Horizon

As described above, the highest concentrations of TPH-GRO (and VOCs) were detected within the dark gray PCS horizon located at approximately 17 to 28 ft bgs. Three of the 11 boreholes that were drilled at the pipeline valve vault PCS source area had TPH-GRO concentrations that exceeded the NMED screening guideline for kerosene and jet fuel (940 mg/kg) (see Figure 6-6 in Appendix A-2). Based on the distribution of boreholes with TPH-GRO exceedences, the areal extent of the PCS horizon encompasses an area of approximately 135 ft by 32 ft (0.1 acres) in the vicinity of the AVGAS pipeline valve vault (shown on Figure 6-6 in Appendix A-2).

Site specific information on the extent and thickness of the PCS horizon was obtained from the compilation of lithologic and sampling data from the 11 soil borings that were drilled in the vicinity of the pipeline valve vault PCS source area during the investigation. Each borehole was

continuously sampled and the thickness of the visibly stained (dark gray) PCS horizon was noted on each soil boring log. One site specific cross section was developed from five of the soil borings that were drilled within the pipeline valve vault PCS source area. Figure 4-2 in Appendix A-2 shows the soil boring locations and the line of the PCS horizon cross section for C-C'. Figure 6-7 in Appendix A-2 presents the east to west cross section depicting the visibly gray stained PCS horizon that was delineated within the pipeline valve vault source area. In general the top of the PCS horizon was encountered at 17 ft bgs (4,077 ft amsl), has an average thickness of 11.3 ft, and terminates at approximately 28.3 ft bgs (4,065.7 ft amsl).

2.5.2 Groundwater Analytical Results

Twenty two groundwater samples (including two duplicates) were collected from 20 permanent and temporary monitoring wells located throughout the SS-61 monitoring well network. The 22 groundwater samples collected during this investigation were analyzed for VOCs, TPH (GRO, DRO, and ORO) and TDS (permanent wells only). The analytical results (detections and estimated values only) are presented in Table 6-3 in Appendix A-2 and the monitoring well locations with results above action levels are shown on Figure 6-8 in Appendix A-2. The temporary and permanent monitoring well construction diagrams for the wells installed during this investigation (November – December 2008) are also included in Appendix A-2.

2.5.2.1 Volatile Organic Compound Results

Twenty eight VOCs were detected above the MDL in groundwater samples collected from the 20 wells that were sampled as part of the SS-61 monitoring well network (November – December, 2008) (see Table 6-3 in Appendix A-2). Of the 28 VOCs detected above the MDL, 10 VOCs (benzene; 1,2-dibromoethane; 1,2-DCA; ethylbenzene; methylene chloride; naphthalene; toluene; trichloroethylene; m,p-xylene; and o-xylene) were detected above the NMWQCC standards (NMAC 20.6.2, 2002) and/or the USEPA MCL (USEPA, 2003). Seventeen out of twenty monitoring wells had concentrations of one or more VOCs detected above the NMWQCC standards and/or the USEPA MCLs (see Figure 6-8 in Appendix A-2).

Benzene; 1,2-DCA; and ethylbenzene were the most widely distributed VOCs that were detected above the USEPA MCLs and the NMWQCC standards. Benzene was detected in 14 wells above the USEPA MCL (5 µg/L) with concentrations ranging from 82.5 to 19,300 µg/L (SS61-TMW85). 1,2-DCA was detected in 9 wells above the USEPA MCL (5 µg/L) with concentrations ranging from 8.1 to 58.4 µg/L (MW29-05). Furthermore, ethylbenzene was detected in 6 wells above the USEPA MCL (700 µg/L) with concentrations ranging from 721 to 1,080 µg/L (SS61-TMW85).

Trichloroethylene (TCE) was detected in four monitoring wells above the EPA MCL (5 µg/L) with concentrations ranging from 6.2 to 12.2 µg/L (SS61-TMW63). It is believed that the detections of TCE that have been historically detected in groundwater at SS-61 are attributed to ERP Site SS-73 which is located approximately 350 ft east (upgradient) of the AVGAS pipeline

T-Junction. As trichloroethylene was historically used as a common degreaser for metal parts, it is unlikely that these detections are related to the SS-61 AVGAS pipeline.

The six remaining VOCs detected above the USEPA MCLs and/or the NMWQCC standards were scattered and detected in either one or two monitoring wells. The maximum concentrations of toluene (1,170 µg/L) and m,p-xylene (1,880 µg/L) were detected in the groundwater sample collected from SS61-TMW81. The highest concentrations of methylene chloride (2,850 µg/L), naphthalene (282 µg/L), and o-xylene (1,440 µg/L) were detected in monitoring wells SS61-TMW85, SS61-TWM63, and SS61-TMW80 respectively. Additionally, an estimated concentration of 1,2-dibromoethane (0.29J µg/L) was detected in monitoring well SS61-MW03.

2.5.2.2 Total Petroleum Hydrocarbon Results

TPH fractions GRO ($C_6 - C_{10}$), DRO ($C_{10} - C_{22}$), and/or ORO ($C_{22} - C_{36}$) were detected above the MDLs in the groundwater samples collected from 17 monitoring wells (see Table 6-3 in Appendix A-2). TPH-GRO was detected above the NMED TPH Screening Guideline (Concentration in Groundwater) for kerosene and jet fuel (15.7 mg/L [NMED, 2006b, Table 2b]) in four groundwater samples (see Figure 6-8 in Appendix A-2). Concentrations of TPH-GRO above the NMED Screening Guideline ranged from 39.7 to 44.8 mg/L. The maximum concentration of TPH-GRO (44.8 mg/L) was detected in groundwater sample SS61-TMW80. Temporary monitoring well SS61-TMW80 is located approximated 350 ft west (downgradient) of the AVGAS pipeline T-junction.

The combined TPH-GRO, -DRO, and -ORO concentrations detected in the groundwater sample collected from TMW82 (16.032 mg/L) was above the NMED screening guideline. All of the other groundwater samples collected during this groundwater sampling event had combined TPH-GRO, -DRO, and -ORO concentrations below the NMED TPH screening guideline for kerosene and jet fuel in groundwater (15.7 mg/L) (NMED 2006b, Table 2b). TPH-DRO was also detected in 18 groundwater samples with concentrations ranging from 0.156J to 2.48 mg/L (SS61-TMW81) and TPH-ORO was detected in 12 samples with concentrations ranging from 0.101J to 0.263 mg/L (SS61-MW14).

2.5.2.3 Total Dissolved Solids Results

In addition to the VOC and TPH analyses, each of the 12 permanent wells were also sampled for TDS (see Table 6-3 in Appendix A-2). TDS concentrations ranged from 2,560 mg/L (SS61-MW10) to 20,000 mg/L (MW29-05) and exceeded the NMWQCC standard (1,000 mg/L) in each of the 20 wells sampled (see Figure 6-8 in Appendix A-2).

Six permanent wells had TDS concentrations that ranged from 15,300 to 20,000 mg/L and the other six permanent wells had TDS concentrations ranging from 2,560 to 4,540 mg/L. This large difference in TDS concentrations suggests that the lower TDS concentrations (< 5,000 mg/L) are caused by the dilution of the natural groundwater from leaking water lines. As shown on Figure 3-1 in Appendix A-2, the six wells with lowest TDS concentrations (SS61-MW08, -MW09, -

MW10, -MW13, -MW15 and –MW16) are each located adjacent to water lines or the water supply tank located on the east side of the SS-61 site boundary.

The average TDS concentration for the 12 wells sampled during this event was 10,218 mg/L. Furthermore, TDS concentrations greater than 10,000 mg/L exceed the NMWQCC limit as potable water and thus, the groundwater is designated as unfit for human consumption. In addition, USEPA guidelines have identified groundwater exceeding 10,000 mg/L as a Class IIIB water resource.

2.5.2.4 Nature and Extent of Groundwater Contamination

The SS-61 monitoring well network sampled consisted of 12 permanent and eight temporary monitoring wells (see Figure 6-8 in Appendix A-2). The SS-61 monitoring well network has been designed to evaluate the contaminant plumes emanating from each of the two PCS source areas (pipeline T-Junction and valve vault). The new monitoring wells (2 permanent and 6 temporary wells) were installed to fill groundwater monitoring data gaps from the previous investigations.

Benzene and 1,2-DCA were the most frequently detected VOCs in the groundwater samples collected during this sampling event. Isocontour (concentration) maps depicting the distribution of benzene and 1,2-DCA detected in the groundwater at SS-61 during this sampling event are shown on Figures 6-9 and 6-10 in Appendix A-2, respectively.

Pipeline T-Junction PCS Source Area

Benzene was the most widely distributed VOC constituent and was detected in 13 of the 16 wells that monitor groundwater quality in the pipeline T-junction source area. As shown on Figure 6-9 in Appendix A-2, detected concentrations of benzene ranged from 2.4 to 19,300 µg/L. Groundwater samples collected from temporary monitoring wells SS61-TMW83 and SS61-TMW85 contained the highest levels of benzene with concentrations of 15,600 µg/L and 19,300 µg/L, respectively. Temporary monitoring wells SS61-TMW83 and -TMW85 are located 250 and 500 ft downgradient of the AVGAS pipeline T-junction and the concentrations of benzene detected in these two wells is significantly greater than the USEPA MCL for benzene (5 µg/L).

1,2-DCA was the second most widely distributed VOC constituent and was detected in 11 of the 16 monitoring wells that are associated with the pipeline T-junction source area. As shown on Figure 6-10 in Appendix A-2, detected concentrations of 1,2-DCA ranged from an estimated concentration of 0.95J to 58.4 µg/L (MW-29-05). It should be noted that the groundwater sample collected from SS61-TMW85 was diluted 500 times due to the elevated concentration of benzene (19,300 µg/L) that was detected in this sample. Therefore, the undetected concentration of 1,2-DCA (170 U µg/L) from this sample was utilized on the 1,2-DCA isocontour map (Figure 6-10 in Appendix A-2).

Groundwater samples collected from monitoring wells SS61-MW03 and MW29-05 contained the highest detected levels of 1,2-DCA with concentrations of 30 µg/L and 58.4 µg/L, respectively. Monitoring wells SS61-MW03 and MW29-05 are located 300 and 900 ft downgradient of the AVGAS pipeline T-junction and the concentrations of 1,2-DCA detected in these two wells is above the USEPA MCL for 1,2-DCA (5 µg/L).

Pipeline Valve Vault PCS Source Area

Benzene was the only VOC that was detected above the USEPA MCL in the four wells (SS61-MW09, -MW10, -MW15, and MW-16) associated with the pipeline valve vault source area (see Figure 6-9 in Appendix A-2). Groundwater samples collected from monitoring wells SS61-MW10 and SS61-MW15 contained the highest detected levels of benzene with concentrations of 824 µg/L and 82.5 µg/L, respectively. Monitoring wells SS61-MW10 and SS61-MW15 are located approximately 25 and 65 ft downgradient of the pipeline valve vault and the concentrations of benzene in these two wells are 16 to 165 times greater than the MCL. It should be noted that the well furthest downgradient (250 ft) from the valve vault (SS61-MW16) had a benzene concentration of only 0.55J µg/L.

2.6 AVGAS Pipeline Video Inspection

A video inspection of the SS-61 AVGAS pipeline was conducted by R&R Visual on December 2, 2008. R&R Visual utilized a medium steerable robotic tractor equipped with a pan and tilt Pearpoint P494 camera specifically designed for pipeline inspections. In July/August 2007, 12,000 cubic yards of PCS were excavated in the vicinity of the pipeline T-Junction. As a result of the excavation, the T-Junction section of the AVGAS pipeline was removed. Therefore, the video inspection was conducted on the two remaining segments of pipeline that extend north and south of Building 1072 (shown on Figure 4-4 in Appendix A-2).

The pipeline video camera inspection was conducted within three separate pipeline sections. Schematics and photographs for each section of pipeline that was inspected including real time observations (e.g., condition of the pipe, encountered pipeline joints/laterals and debris/sediment deposits) are provided in the SS-61 Pipeline Video Inspection Report (R&R Visual, 2008) which is included in Appendix A-2 of this Work Plan. The three sections of pipeline that were video inspected by R&R Visual are also depicted on Figure 4-4 in Appendix A-2.

The first section of pipeline that was inspected (Section No. 1) extended from the north side of the 2007 PCS excavation approximately 50 ft north, where the robotic tractor was impeded by debris within the pipeline. The second section of pipeline (Section No. 2) surveyed extended from the south side of the 2007 PCS excavation approximately 590 ft to the south. Prior to reaching the end of the run (pipeline valve vault) the robotic tractor encountered an offset joint in the pipe adjacent to where two laterals in the pipeline were observed. The pipeline laterals extended to the east and west from the main north-south trending pipeline (see Figure 4-4 in Appendix A-2). Based on the distance (589.8 ft) recorded on the video tape, the two lateral pipelines were approximately 10 to 15 ft north of the pipeline valve box. The third section of

pipeline (Section No. 3) that was inspected extended from the far north end of the pipeline (where the pipeline terminated aboveground adjacent to the former location of the South aboveground storage tank [see Figure 4-4 in Appendix A-2]) 210.5 ft to the south. During the inspection, a lateral pipeline (extending to the west) was observed at 41 ft south of the pipeline termination. Due to additional debris encountered in the pipeline, the middle section of the northern pipeline segment (approximately 225 ft) was not inspected.

2.7 Revised Conceptual Site Model (2009)

The previous sections have presented a detailed history of the environmental data collected at Site SS-61 and the surrounding areas. This section presents the conceptual site model (CSM) which has evolved and matured from its initial state as more data has been generated regarding the site. The CSM provides a framework for the entire project, and, in particular, can help identify specific data needs required to move forward with remedial activities. It is an important communication tool for regulators, responsible parties, and stakeholders.

SS-61 is rectangular in shape and is located within the north-central industrial area of HAFB. Aircraft maintenance activities have been ongoing in the area for over 50 years, and future activities are expected to remain the same. Currently four structures are located within the SS-61 site boundary (Figure 1-3). Additionally, a concrete pad and two concrete vaults, historically used to dispense fuel during past operations at the base, are located in the central portion of the site.

2.7.1 Contaminants of Concern

2.7.1.1 Soil

The primary contaminants of concern (COCs) detected in the soil at SS-61 above SSLs include TPH-GRO; benzene; hexane; and m,p-xylene. All of these exceedences were found in the PCS horizon at both the pipeline T-junction and valve vault area (pipeline terminus).

2.7.1.2 Groundwater

COCs detected in the groundwater at SS-61 include benzene; 1,2-dibromoethane; 1,2-DCA; ethylbenzene; methylene chloride; naphthalene; toluene;TCE; m,p-xylene; o-xylene; and TPH-GRO which were all detected in groundwater above the USEPA MCLs and the NMWQCC standards. The primary COCs detected in groundwater are benzene and 1,2-DCA. One historical use of 1,2-DCA was as an additive to AVGAS fuel to prevent the buildup of lead oxide deposits.

2.7.2 SS-61 Groundwater Conditions

The base is serviced by a public water supply. Groundwater at the site and across the base is not used as drinking water due to high concentrations of TDS, which generally exceed the drinking

water standard of 10,000 mg/L, except in localized areas. Occurrence of TDS concentrations below 10,000 mg/L is primarily due to anthropogenic activities including irrigation and leaks from water pipes. Static groundwater levels at SS-61 are between 10 and 23 ft bgs. Groundwater flow is towards the west-northwest with a hydraulic gradient of 0.0063 ft/ft.

The groundwater flow direction at SS-61 is different than the typical south-southwest basewide flow direction at HAFB (Figure 1-4). Figure 3-1 in Appendix A-2 shows the infrastructure of water main and ancillary water lines that traverse Site SS-61. These water lines transport water from the water tower (located west of SS-61) to various facilities located throughout HAFB. It is believed that these water lines leak and that they were put into service after AVGAS had been released from the underground pipeline, explaining the rise in the current water table in the vicinity of SS-61. This premise is supported by the potentiometric surface showing a mounded condition in the area of SS-61 (see Figure 3-1 in Appendix A-2). This artificially higher water table explains why the highest concentrations of VOC and TPH-GRO soil contamination is found at 20 to 32 ft bgs and not at the top of the current potentiometric surface (approximately 10 to 23 ft bgs).

2.7.3 SS-61 Soil Conditions

Subsurface soil conditions at SS-61 consist primarily of fine-grained silts, clays, and sands. The top 14 ft of soil is predominantly dry silty sands and sandy silts. Gypsum cementation and crystals pervade sandy clay, clayey sand, and silty sand from approximately 14 ft bgs to 40 ft bgs. Occasional layers of interbedded sand and clay are present onsite below the groundwater table. Average bulk density (dry basis) and fractional organic carbon content of the four geotechnical soil samples collected in 2007 was 1.085 grams per milliliter (g/mL) and 1.650% respectively. The average specific gravity of the four geotechnical samples was 1.500.

2.7.4 Source of Contamination

The source area of soil and groundwater contamination at SS-61 has been identified as an abandoned AVGAS fuel pipeline. The pipeline, which originates from the location of two former ASTs, runs north to south along the eastern portion of the site. Two source areas along this pipeline have been identified: the pipeline T-junction and the pipeline valve vault.

2.7.5 Source Area Characterization

2.7.5.1 Pipeline T-Junction Source Area

The surface area for PCS (above NMED SSLs) for the pipeline T-junction source area occupies an area of approximately 625 ft x 600 ft or 375,000 sq ft (8.6 acres). Using selected soil boring logs presented in cross sections A-A' and B-B' (see Figure 4-1 in Appendix A-2) to determine the depth and thickness of the PCS horizon; the average depth to the top of the PCS horizon is 25.25 ft bgs with an average thickness of 8 ft. Therefore, there is approximately 350,694 CY of clean overburden that overlies the PCS horizon which contains TPH-GRO and benzene

concentrations above the NMED action levels. Using an average thickness of 8 ft and an area of 375,000 sq ft, the PCS horizon has a volume of 111,111 CY. Approximately six acres of the PCS to the west and north of the pipeline T-junction is accessible by excavation (via trackhoe) for treatment at the FT-31 Land Farm (Figure 6-2 in Appendix A-2), the remaining 2.6 acres (along Dezonia Drive and beneath Buildings 1001 and 1002) will be remediated using in-situ treatment methods (Figure 6-6 in Appendix A-2).

2.7.5.2 Pipeline Valve Vault Source Area

The surface area for the PCS (above NMED SSLs) at the pipeline valve vault source area is approximately 135 ft x 32 ft or 4,320 sq ft (0.1 acres). Using selected soil boring logs presented in cross section C-C' (see Figure 4-2 in Appendix 4-2) to determine the depth and thickness, the average depth to the top of the PCS horizon is 17 ft bgs with an average thickness of 11.3 ft. Therefore, there is approximately 2,720 CY of clean overburden and 1,808 CY of PCS in the vicinity of the SS-61 pipeline valve vault. All of the PCS in the vicinity of the pipeline valve vault will be remediated by excavation and treatment at the FT-31 Land Farm.

2.7.6 Impact to Groundwater

Benzene and 1,2-DCA were the most frequently detected VOCs above the NMWQCC standards and the USEPA MCLs. Concentrations of benzene were detected above the USEPA MCL (5 µg/L) in 14 of the 20 monitoring wells and 1,2-DCA (including estimated concentrations) was detected in 10 monitoring wells above the USEPA MCL (5 µg/L) during the 2008 sampling event.

Isocontour maps showing the distribution of benzene and 1,2-DCA detected in the groundwater samples collected during this 2008 sampling event are presented in Figures 6-9 and 6-10 in Appendix A-2, respectively. In general the geometries of the benzene and 1,2-DCA plumes were similar to the May 2007 sampling event (Figures 2-4 and 2-5 in Appendix A-1). The benzene plume (above the 2003 USEPA MCL) that emanates from the pipeline T-junction source area encompasses an area of approximately 17.5 acres (Figure 6-9, Appendix A-2) and the 1,2-DCA plume (above the 2003 USEPA MCL) is approximately 28 acres in size (see Figure 6-10 in Appendix A-2). Additionally, as shown on Figure 6-9 in Appendix A-2, a smaller plume of benzene (above the 2003 USEPA MCL) is also emanating from the pipeline valve vault source area (approximately 1 acre in size).

2.7.7 Release Mechanisms/Contaminant Fate and Transport

Release mechanisms from an AVGAS pipeline could have been through broken/cracked pipes, corroded pipes, or defective joints/connections within the pipeline itself. The two source areas which have been identified along the SS-61 AVGAS pipeline are the pipeline T-junction and the pipeline valve vault. The nature and subsequent transport of contaminants is dependent on environmental conditions such as depth to groundwater, hydraulic gradient, and nature of the contaminants discussed above.

2.7.8 Potential Exposure Pathways and Receptors

Potential exposure pathways which may be present onsite include dermal contact, incidental ingestion, and soil vapor to indoor air (vapor intrusion) into onsite buildings. Potential human receptors include military/civilian workers at HAFB and construction workers performing intrusive activities in the vicinity of SS-61. Potential biological receptors include the flora and fauna of the surrounding ecosystem. While groundwater is not locally extracted for use, human exposure to groundwater contaminants may result from dermal contact or ingestion from physical contact with contaminated soil or groundwater. A site-specific study of potential exposure pathways and receptors will be performed in conjunction with the risk based evaluation of the site.

3 PRE-DESIGN CHARACTERIZATION

3.1 Initial Approach and Pre-Design Characterization Sampling Effort

Initial efforts focused on coupling two remedial alternatives for inaccessible areas of groundwater at SS-61 that have demonstrated low cleanup times, are highly effective against PCS contaminated groundwater, have relatively low capital and life cycle costs, require no off-site disposal, and will not be disruptive to base operations or impact the mission. HAFB initially considered combining persulfate chemical oxidation with aerobic bioremediation to treat source, hot spot, and plumes contaminated with petroleum hydrocarbon COCs.

Chemical oxidation with activated persulfate for the treatment of organic contaminants in soil and groundwater has been successfully applied in the field over the past several years. In general, persulfate chemical oxidation is a very effective technology for many recalcitrant compounds. However, contaminants may reside in low permeability zones or in downgradient portions of plumes, where soil heterogeneity, soil oxidant demand, and finite persulfate oxidant lifetime may make it difficult to effectively and economically remediate these areas.

Combining remediation technologies, taking the strengths of each approach and coupling them together, is gaining momentum as a way to address lingering residual contamination that is difficult to treat. Klozur CR®, combines sodium persulfate chemical oxidation with aerobic bioremediation (PermeOx® Plus) to treat source, hot spot, and plumes contaminated with petroleum hydrocarbon COCs.

Klozur CR® is formulated with engineered calcium peroxide for radical activation which also elutes oxygen which can stimulate native aerobic microbes to metabolize amenable contaminants including many petroleum compounds and mono/di-halogenated ethenes and ethanes, among others.

Sulfate is formed during the decomposition of the persulfate anion. At many sites sulfate has been shown to stimulate native anaerobic petroleum-oxidizing microbes following depletion of the PermeOX® Plus and dissolved oxygen.

The following presents the activities associate with testing if persulfate chemical oxidation with aerobic bioremediation to treat source, hot spot, and plumes contaminated with petroleum hydrocarbon COCs is a viable option at Site SS-61.

3.1.1 Pre-Design Observation Well Installation

Four new 2-inch observation wells (SS61-MW18, -MW19, -MW21, and -MW22) and two new 4-inch injection wells (SS61-MW17 and SS61-MW20) were installed by Bhate in January 2010, to further characterize the aquifer. Wells SS61-MW17 through SS61-MW19 were installed in an

array within the PCS contaminated groundwater plume while wells SS61-MW20 through SS61-MW22 were installed cross-gradient in less contaminated groundwater (Figure 3-1). The monitoring wells were installed using a hollow-stem auger (HSA) Central Mining Equipment (CME) 85 drill rig. Each well was installed to 34 to 35 ft bgs, with 15 feet of 0.020 inch polyvinyl chloride (PVC) screen. The monitoring well construction diagrams and lithologic drilling logs can be found in Appendix A-3 of this Work Plan.

Upon installation, the four observation and the two injection wells were developed to remove fine particulates, and improve hydraulic communication with the surrounding saturated material. During drilling the soil borings were logged for lithology, and, a single sample was collected from the screened interval (20 to 35 ft bgs) of each well for soil oxygen demand (SOD) analysis which is part of the Bench Scale Study discussed in Section 3.3 of this Work Plan.

3.1.2 Pre-Design Groundwater Sampling

One gallon of "contaminated" water was collected by Bhate in January 2010 from existing monitoring well SS61-MW03 for the Bench Scale Test; the groundwater sample was analyzed for VOCs; TPH-GRO, -DRO, -ORO; pH; hardness; alkalinity; peroxide; persulfate; and iron.

3.2 Pre-Design Microcosm Study

An in-situ microcosm study was conducted by Bhate during December 2009/January 2010 to evaluate biodegradation of petroleum hydrocarbons in the groundwater at the SS-61 site. The study was conducted using Bio-Trap samplers that provide microbial, chemical, and geochemical evidences to evaluate biodegradation as a treatment mechanism and to screen remedial alternatives. At SS-61, biodegradation was evaluated for site contaminants using a mixture of oxygen and nitrates as electron acceptors in a high TDS environment. The Bio-Trap unit consists of a MICRO sampler that contains Bio-sep beads, an engineered composite of Nomex and powdered activated carbon which provides a large surface area that was readily colonized by subsurface microorganisms. In addition to a matrix for microbial growth, the Bio-sep beads were "baited" with electron acceptors to investigate biostimulation approaches and estimate biodegradation rates. Additionally, the Bio-Trap units also contain a COC sampler that measured contaminant concentrations, daughter product formation, and dissolved gases and a geochemical fingerprint (GEO) sampler for quantification of geochemical parameters.

Simultaneous to the Bench Scale Testing, Bio-Trap® In-Situ Microcosm studies were performed in monitoring wells SS61-MW03, -MW08, and -MW06 (see Figure 2-3, Appendix A-1) to evaluate monitored natural attenuation (MNA) and biostimulation (BioStim) as remedial options. Three Bio-Trap units were installed in each monitoring well. The Control unit simulated MNA conditions and therefore contained no exogenous electron acceptors. Two different BioStim units were used: one BioStim unit contained PermeOx®, to supply oxygen as an electron acceptor and the second BioStim unit was amended with Klozur®, a commercial combination of PermeOx®, and persulfate. The In-Situ Microcosm assemblies were recovered from the wells after a 25 day incubation period for quantification of aerobic benzene, toluene, ethylbenzene, and

xlyenes (BTEX) degrading bacteria; phospholipid fatty acid (PLFA); contaminant concentrations; and anion concentrations (Microbial Insights, 2010).

In summary, the microcosm study indicated that based upon the historical geochemical results obtained in 2004 – 2005(Bhate, 2005), dissolved oxygen (DO) levels at SS61-MW03, -MW06, and -MW08 fluctuate considerably (0.15 to 6.2 mg/L) suggesting that oxygen is intermittently available to support aerobic activity. Furthermore, proportions of PLFA biomarkers indicative of anaerobic metal reducers, sulfate reducing bacteria, and fermenters (*Firmicutes*) were low even in the Control unit, suggesting mildly aerobic conditions. Phenol hydroxylase (PHE) and toluene dioxygenase (TOD) genes were detected in relatively high concentrations in the Control unit indicating the presence of aerobic BTEX-utilizing bacteria under existing site conditions. PHE and TOD concentrations were approximately 1 order of magnitude greater in the PermeOx® unit than in the Control suggesting that oxygen addition did stimulate growth of aerobic BTEX-utilizing bacteria. Likewise, PHE and TOD concentrations in the Klozur® unit (PermeOx® and persulfate) were greater than detected in the Control but were similar to concentrations detected in the unit amended with PermeOx® alone. The overall concentration in the Klozur® unit was equivalent to 15 grams/kilogram (g/Kg) range. The fact that PHE and TOD concentrations were on the same order as the PermeOx only indicated that ISCO activation was not achieved. Finally, dissolved benzene concentrations in the PermeOx® and Klozur® units were greater than detected in the Control potentially due to subsurface heterogeneity since the units were deeper in the water column.

3.3 Pre-Design Bench-Scale Study

A Klozur CR® bench-scale study was performed by Norfolk Ram Group in January 2010, to ensure a successful full-scale implementation. Laboratory-scale testing was used to quantify treatment efficiencies of in-situ chemical oxidation and oxygen releasing compound with specific contaminants in both saturated soil and the dissolved phase in groundwater. The bench scale study was also used to determine the concentration of Klozur CR® required which would prevent overloading during injection operations which ultimately negatively impacts to the aquifer matrix. Five gallons of TPH/benzene contaminated groundwater was collected from the existing temporary monitoring well SS61-TMW85 and sent to a qualified laboratory for bench scale testing with Klozur® CR. Additionally, one soil sample was collected from the gray stained PCS horizon in each borehole that was installed for wells SS61-MW17 through -MW19. The soil samples were sent to a qualified offsite laboratory and analyzed for TPH GRO (C6-C12), TPH DRO (C10-C22), and TPH ORO (C22-C36) using TPH GRO/DRO/ORO (8015 modified); BTEX (8260B); 1,2-DCA (VOCs (8260B); and SOD. Furthermore, one gallon of contaminated water was also collected from monitoring well SS61-TMW85 to determine the effect Klozur® CR would have on 1,2-DCA (lead scavenger used in AVGAS fuel).

3.4 Technology Evaluation Testing

The purpose of the technology evaluation testing was to observe the effect of the use of different activators on the efficacy of the reaction under conditions similar those at Site SS-61. The

concentrations of remedial additives considered in this phase were established based upon reasonable expectations of the minimum concentration that would be expected to exhibit desired treatment efficiencies and the maximum concentrations considered economically feasible.

A series of mixed matrix samples (2:1, water:soil) were prepared in duplicate. In this test, each of the remedial additives being evaluated was added to batch bottles (Klozur CR® at two different concentrations, persulfate with alkaline activation at one concentration, persulfate with iron-ethylene diamine triacetic acid [EDTA], and persulfate with no activator). Two types of control samples were also analyzed. A standard control was prepared with water and soil from SS-61 and no remedial additive. Norfolk Ram Group also prepared a control sample where the pH was raised using a sodium hydroxide solution in order to evaluate the changes in samples that might be due to the activator rather than the oxidant (e.g. sodium hydroxide sometimes has a surfactant-like effect and sometimes contaminant loss due to volatilization is reduced in samples with altered pH).

Given the relatively large volume needed for analysis of various TPH constituents, sacrificial bottles were used for each time interval. Actual concentrations added to each bottle are shown in Table 2 included in Attachment B of this Work Plan. The samples were gently mixed by a mechanical methodology for a short period of time following addition of reagents and on a daily basis. An aliquot from each of the bottles was analyzed for VOCs, TPH GRO/DRO/ORO, peroxide (where applicable), persulfate (where applicable), and pH after three time intervals. Analysis of soil from select batch bottles at each time interval was also performed to account for potential transfer of contaminant mass between media. Note that Klozur CR® is a mixture of equal parts of sodium persulfate and calcium peroxide distributed by FMC Corporation. Thus, for each concentration of Klozur CR® evaluated, only 50% of the concentration is represented by persulfate.

3.5 Results and Findings

The microcosm study indicated that dissolved oxygen levels at SS-61 fluctuate considerably and suggested that oxygen is intermittently available to support aerobic activity. Additional evidence to support the aerobic conditions at SS-61 is based on the lack of anaerobic metal reducers, sulfate reducing bacteria, and fermenters (*Firmicutes*). Furthermore, PHE and TOD genes were detected in relatively high concentrations indicating the presence of aerobic BTEX-utilizing bacteria under existing site conditions. PHE and TOD concentrations were approximately 1 order of magnitude greater in the PermeOx unit suggesting that oxygen addition stimulated growth of aerobic BTEX-utilizing bacteria.

Results from the chemical oxidation bench scale testing indicated that at concentrations of remedial additives 5, 15, and 20 g/kg used, no appreciable level of treatment was observed. Therefore, the dosing of persulfate required at SS-61 would likely be on the order of 30 to 100 g/kg of soil or greater.

A treatment efficiency of 73% was achieved when the concentration of Klozur CR® reached 100 g/kg of soil. Additionally, during the time interval evaluated (roughly 11 days) the bench scale study demonstrated an average consumption of 42% of the persulfate, leaving 58% for additional treatment. Therefore, the bench scale study indicated that a relatively high oxidant loading would be required at SS-61 to produce a significant decrease in TPH and BTEX constituents at the site. Furthermore, at higher levels of oxidant loading, iron oxide precipitates which was observed in many of the samples. In the samples containing Klozur CR®, cementing of soil particles was observed, which is likely a function of the precipitation of iron oxide and carbonate compounds (given the high alkalinity of the water from the SS-61). The implications of this type of precipitation during full-scale field application would result in irreparable damage to the aquifer which could significantly increase the time to achieve closure. Given the high iron, high hardness, and high alkalinity present in this water bearing zone at SS-61, pH neutral remedial options should be considered.

This page intentionally left blank.

4 CORRECTIVE MEASURES DESCRIPTION

The Aerobic In-Situ Enhanced Bioremedition (AISEB) process involves supplying gaseous nutrients (in this particular case, air) to stimulate the biological degradation of a wide range of compounds that include petroleum-based contaminants. AISEB is similar to air sparging in that compressed air is delivered into the aquifer through an injection well using a blower or rotary vane compressor. Air is forced down the injection well through the well screen and is released into the aquifer. The main difference between air sparging (AS) and AISEB is the flow rate. The flow rate associated with AISEB is much lower than that of AS systems because the removal mechanism is through biodegradation versus stripping. AISEB systems are designed to deliver only enough oxygen to enhance microbial degradation of petroleum-based contaminants. AISEB systems are not intended to strip volatiles for deposition into the vadose zone soils. Typically, AISEB systems operate in a pulsing mode. A pulsing mode utilizes an intermittent flow rate, so that sparge wells are turned on and off at regular time intervals to control potential stripping and maximize the potential for biodegradation. The systems are automated using timer-controlled solenoid valves to allow one well or group of wells to function while another well or group is at rest.

AISEB systems, like AS systems, utilize a series of vertical wells or injection points that are tied together with a common manifold. The injection points are oriented in a grid pattern with a calculated spacing determined by the point's radius of influence. The radius of influence is the outward areal extent that can be influenced by one AISEB well. Radius of influence is dependent upon depth to contamination, degree of heterogeneity of subsurface geology, soil permeability, and flow rate. Horizontal wells may also be used as injection conduits. AISEB systems that use horizontal wells versus vertical wells will utilize the same system components. Horizontal wells are installed via directional drilling, as opposed to boring for vertical wells, and offer advantages over traditional vertical wells such as minimal site disturbance, greater treatment coverage, and potentially less cost. A vapor control system, such as soil vapor extraction (SVE), would not be required because AISEB promotes biodegradation versus volatilization.

Implementing an AISEB system requires essentially the same level of effort as an air sparge or SVE system. The system requires conventional construction techniques, such as drilling or DPT methods and trenching for the installation of horizontal delivery piping. The surrounding topography at SS-61 is favorable for initiating installation of these items. Each injection point would be individually piped and controlled to allow for discrete adjustments to the system. The treatment system would include components such as a blower, programmable logic controller, control panel, manifold header, and electrically actuated solenoid valves. These systems are typically prefabricated and contained in a mobile treatment trailer that can be delivered to a site within short notice. All components of the AISEB system, to include installation of injection points, delivery piping, and system setup and startup, could be implemented in a relatively short time period. AISEB is considered a highly effective method for the remediation of petroleum-based contaminants. AISEB increases the concentration of DO, rendering a more favorable environment for contaminant breakdown. Benzene biodegradation occurs most quickly under

aerobic conditions (Brauner and Killingstad, 1996). This technology has been effective at numerous federal facilities with similar contaminants and concentrations as observed at Site SS-61.

5 CORRECTIVE MEASURES DESIGN

5.1 Summary of Nature and Extent of Contamination

As described in Section 2.7 of this Work Plan, the source area of soil and groundwater contamination at SS-61 has been identified as an abandoned AVGAS fuel pipeline. The pipeline, which originates from the location of two former ASTs, runs north to south along the eastern portion of the site. Two source areas along this pipeline have been identified: the pipeline T-junction and the pipeline valve vault. The pipeline T-junction source area occupies an area of approximately 625 ft x 600 ft or 375,000 sq ft (8.6 acres). Using selected soil borings to determine the depth and thickness of the PCS horizon; the average depth to the top of the PCS horizon is 25.25 ft bgs with an average thickness of 8 ft. Therefore, the PCS horizon which contains TPH-GRO and benzene concentrations above the NMED action levels is estimated to be 111,111 CY.

The pipeline valve vault source area measures approximately 135 ft x 32 ft or 4,320 sq ft (0.1 acres). Using selected soil borings to determine the depth and thickness, the average depth to the top of the PCS horizon is 17 ft bgs with an average thickness of 11.3 ft. Therefore, the PCS horizon contains 1,808 CY of impacted sediments in the vicinity of the SS-61 pipeline valve vault.

Benzene and 1,2-DCA were the most frequently detected VOCs above the NMWQCC standards and the USEPA MCLs at SS-61. Concentrations of benzene were detected above the USEPA MCL (5 µg/L) in 14 of the 20 monitoring wells and 1,2-DCA (including estimated concentrations) was detected in 10 monitoring wells above the USEPA MCL (5 µg/L) during the 2008 sampling event. The benzene plume (above the USEPA MCL) that emanates from the pipeline T-junction source area encompasses an area of approximately 17.5 acres (see Figure 6-9 in Appendix A-2) and the 1,2-DCA plume (above USEPA MCL) is approximately 28 acres in size (see Figure 6-10 in Appendix A-2). Additionally, as shown on Figure 6-9 in Appendix A-2, a smaller plume of benzene (above USEPA MCL) is also emanating from the pipeline valve vault source area (approximately 1 acre in size).

5.1.1 Release Mechanisms/Contaminant Fate and Transport

Release mechanisms from an AVGAS pipeline could have been through broken/cracked pipes, corroded pipes, or defective joints/connections within the pipeline itself. The two source areas which have been identified along the SS-61 AVGAS pipeline are the pipeline T-junction and the pipeline valve vault. The nature and subsequent transport of contaminants is dependent on environmental conditions such as depth to groundwater, hydraulic gradient, and nature of the contaminants discussed above.

5.1.2 Potential Exposure Pathways and Receptors

Potential exposure pathways which may be present onsite include dermal contact, incidental ingestion, and soil vapor to indoor air (vapor intrusion) into onsite buildings. Potential human receptors include military/civilian workers at HAFB, construction workers performing intrusive activities in the vicinity of SS-61and future residents. While groundwater is not locally extracted for use, human exposure to groundwater contaminants may result from dermal contact or vapor inhalation from contaminated soil or groundwater. A site-specific study of potential exposure pathways and receptors will be performed in conjunction with the risk based evaluation of the site which is discussed in Section 7 of this Work Plan.

5.2 Technical Approach

Based on the information available and the technical impracticality of ISCO, the restoration approach at SS-61 will focus on coupling two remedial alternatives for soil and groundwater that have demonstrated low cleanup times, are medium to highly effective against TPH and BTEX contaminated soil and groundwater, require no off-site disposal, and will not be disruptive to base operations or impact the mission. The restoration approach will employ a combination of excavation followed by land farming with In-Situ Enhanced Bioremediation (ISEB) to treat inaccessible source areas. This combination of treatment technologies provides aggressive destruction of the source area as well as the downgradient portions of the plume. Reducing the amount of TPH and BTEX in soil and groundwater in the source area with excavation, and treating the downgradient elevated concentrations reduces the overall time required for MNA and protects human health and the environment.

Aerobic ISEB typically entails increasing the DO concentration in the subsurface to stimulate aerobic microorganisms to degrade contaminants. Under aerobic conditions, microorganisms use DO in the groundwater as a respiratory substrate (electron acceptor). With sufficient oxygen, microorganisms will completely oxidize many organic chemicals to carbon dioxide and water. The COCs identified in groundwater at SS-61 may be biodegraded through several different mechanisms; however, each mechanism has specific requirements and preferences for the type of chemical that can be degraded. Aerobic biodegradation either occurs through metabolic or cometabolic pathways.

In-situ aerobic conditions can be induced through the direct injection of an air stream into the aquifer via injection wells. Therefore, AISEB will use two 4-inch horizontal injections wells to treat those areas that are inaccessible by excavation. The first horizontal injection (SS61-IJ01) well will start just south of Dezonia Drive, will be directionally drilled under Buildings 1002 and 1001 for a treatment zone of 415 feet long and 100 feet wide (Zone A) running south to north. The total length of the SS61-IJ01 is anticipated to be 701 feet. The second horizontal injection (SS61-IJ02) well will be installed along Dezonia Drive in the utility corridor adjacent to Building 1003 and Building 1072. The treatment zone (Zone B) is expected to be 721 feet long and 100 feet wide. Both borings will be advanced from relatively the same location so the entry pits are in close proximity to one another and just south of Dezonia Drive. The screens used for the

treatment of Zone A and Zone B will be designed to discharge air evenly across a long horizontal interval. With effective screen design, the frictional losses related to air flow through the screen and casing can be minimized. And nearly equally important, a very low open area screen is chosen, with the number of slots necessary to equal the design flow adjusted to the calculated air pressure within the well screen. Adjusting these two factors allows a screen to be designed which has essentially equal air discharge in the beginning and end of the screen.

The Aerobic ISEB Process will be accomplished by injecting air into the aquifer to stimulate biological degradation of petroleum-based contaminants by indigenous microorganisms. The air will be injected through two horizontal injection wells distributed among two treatment zones: Zone Alpha (A), and Zone Bravo (B). Treatment zones were developed for operational processes and do not necessarily represent concentration zones. Each treatment zone will contain one injection well, identified as SS61-IJ01 and SS61-IJ02 as shown on Figure 5-1.

The treatment zones will be cycled or pulsed on and off over the course of each 24-hour period. Pulsing hours of operation will be adjusted as appropriate and will be based on consumption of nutrients and sampling information to ensure maximum system efficiency and effectiveness. Pilot test studies and past experience at similar sites with similar geological and permeability conditions suggest that each injection well may provide a radius of influence of 50 feet (equating to approximately 100 feet in diameter of impacted media). The consistency of this influence zone, appearing as a theoretical inverted cone, is highly dependent upon the homogeneity of the aquifer, the presence or absence of confining layers, the length and orientation of the screened interval, and the installed depth of each injection well relative to the groundwater table surface.

The remediation system will consist of an 8.5 x 12 foot long Cargo Trailer, equipped with an air compressor capable of moving 200 standard cubic feet per minute (scfm) at 40 pounds per square inch (psi), a rotary screw compressor with after cooler, air filtration systems, a Process Logic100-AS System Control Panel, and all other associated gauges, piping, and equipment to provide a fully functional system. The trailer design and the trailer and equipment layout diagrams are presented as Figures 5-2 and 5-3 respectively.

The compressor shall be equipped with a variable speed drive (VSD) motor (Figure 5-4). The compressor shall be equipped with an intercooler that will discharge the air within 15 degrees Fahrenheit of ambient. The cooler on the rotary screw air compressor shall be equipped with a reverse pitch fan that shall push air through the cooling coil. The air from the cooling coil shall be ducted out of the treatment trailer through a metal duct connected to a louvered vent on the outside of the trailer. The duct shall be equipped with an adjustable damper that allows the warm air to be vented into the treatment trailer during the winter and vented outside in the summer. The compressor shall be equipped with an inlet air filter, a coalescing outlet air filter capable of removing oil and water, and pressure relief valve. The inlet and outlet air filters shall be equipped with a differential pressure switch that will trigger an alarm if the filters plug. The compressor shall be equipped with oil low level, high temperature, and over pressure alarms. The compressor shall be capable of automatic restart in the event of a power failure. The compressor shall be fitted with a disconnect switch. The compressor shall be capable of

communicating to an Allen Bradley programmable logic controller (PLC) controller via an RS-232 cable or similar connection. The compressor shall be lubricated with food grade vegetable oil. The air inlet line to the compressor shall be fitted with an orifice meter. The orifice meter shall be connected to a direct reading square root scale meter and a Dwyer Magnehelic series 647 Differential Pressure transmitter. The pressure range on the 647 has to be matched to the flow rate and pipe size used in the system. The orifice shall be sized so that the pressure drop across the orifice at maximum flow rate (approximately 200 scfm) does not exceed the suction pressure limit of the rotary screw compressor. The air outlet line from the compressor shall exit through the floor of the cargo trailer behind the axles and terminate in a 2" aluminum male cam and groove coupling. The outlet line on the compressor shall be fitted with pressure transducer with a 4-20 milliampere (ma) output and a pressure range from 0 to 60 psi and with a 2.5" diameter liquid filled vacuum gauge of the same range.

A common header and manifold system will be constructed for each treatment zone (i.e., Zone A and Zone B). The manifold systems, located at the treatment trailer will allow for convenient, discrete adjustments to each injection well with subsequent observation to potential effects to the other injection wells within the treatment zone. Horizontal injection wells will be installed 32 feet below ground surface and each will deliver approximately 0.2 cubic feet per minute (cfm) per linear foot of screen length (75 scfm to Zone A and 125 scfm to Zone B) to the aquifer with a pressure of approximately 24 psi. The screen sizing and pressure requirement for this system were estimated using the equations presented in the engineering calculations provided in Attachment C of this Work Plan.

The delivery piping, leading from the headers and manifolds and terminating at each injection well, will be constructed of one-inch diameter, multi-purpose, and chemical resistant rubber hose (Figure 5-5). The hoses may be dual contained in PVC plastic to prevent crushing and, consequently, impedance of air flow. The delivery piping will be placed in a series of utility trenches excavated using a rubber-tire loader equipped with excavation bucket. After the system has been pressure tested and leaks have been addressed appropriately, trenches will be backfilled and compacted using available equipment.

The treatment system will be housed in a self-contained, fully enclosed utility trailer with locking capability. The trailer will be constructed prior to delivery to the site. The trailer will be leveled, and the wheels will be removed followed by the installation of hurricane tie-down straps (or equivalent) for relative permanence. A licensed electrician will perform electrical connections.

Three-phase, 100 amp, 480 volt service will be provided at a nearby power pole. The Electrical Control Panel shall be a Process Logic Inc. 100-AS System Control Panel. The control panel shall be mounted per the equipment layout drawing. The control panel shall utilize an Allen Bradley PLC with the associated input and output modules to monitor and control the system. The PLC shall be capable of being accessed for the purposes of downloading data and uploading program modifications via a phone modem contained in the control panel. The PLC shall be capable of calling a remote phone in the event the system develops an alarm condition or shuts

down. The control panel, as a minimum requirement, shall accept the following analog system inputs: 120V power, phone line, signals from the room temperature sensor, the air outlet pressure transducer, orifice meter differential pressure sensor, inlet air pressure differential pressure sensor, outlet air filter differential pressure sensor, and feedback from the compressor VSD.

5.3 Injection Well Placement Rationale

SS61-IJ01 and SS61-IJ02 are planned for installation as part of the optimization of the inaccessible soils and groundwater treatment at SS-61. To the greatest extent possible, injection wells will be installed so the screened section is at or immediately below the contamination zone. This configuration will maximize the injection wells radius of influence, aid in nutrient distribution to treatment zones (treatment zone alpha and bravo), and limit the untreated volume of "dead-zones" or areas that do not receive nutrients immediately from the wells. Natural groundwater flow direction and paths will assist in nutrient delivery throughout the aquifer. The locations of the wells are shown on Figure 5-1.

SS61-IJ01 will be used to treat 622,500 cubic feet of PCS impacted soils and groundwater under buildings 1002 and 1001 on the western side the excavation pit. Additionally, the SS61-IJ01 south to north approach will be ideally positioned to intercept, treat, and prevent any future petroleum hydrocarbon plume migration from east to west. SS61-IJ02 will be used to treat 975,000 cubic feet of PCS impacted soils and groundwater under the utility corridor along the north side of Dezonia Drive and adjacent to Buildings 1003, 1072, and a portion of 1085.

5.4 Field Activities

Field activities associated with installation of the injection wells will include:

- Utility clearance and ground-penetrating radar (GPR) surveys
- Installation of two horizontal injection wells
- System connection to the treatment trailer
- Land surveying of new well locations
- Site restoration
- Investigation-derived waste management

Additional field piping will also be installed to connect the new horizontal wells to the treatment system.

5.4.1 Utility Clearance and GPR

All work areas must be cleared of utilities and other potential subsurface hazards/structures prior to any intrusive activities being conducted at the site. Each area (in this case, entrance and exit pits) to be disturbed for construction purposes will be clearly marked with pin flags or stakes. The Site Supervisor or designee will work with HAFB personnel and private companies to clear

each flagged area for subgrade utilities or other ferromagnetic structures, and obtain a drilling permit if needed. A Noggin 500 GPR unit or equivalent will be used to confirm and verify utility locations prior to trenching and horizontal well installation activities. GPR is used for applications requiring high resolution subsurface imaging up to eight meters below the surface, depending on the material being investigated. GPR can non-destructively locate metallic and non-metallic objects, subsurface material variations, voids, and disturbed soil. Once the locations have been cleared, the markers will be marked "cleared", and activities can commence.

5.4.2 Horizontal Injection Well Installation

The installations of the two horizontal injection wells are planned as part of the optimization of treatment of the inaccessible contaminated soil and groundwater at SS-61. The locations of the wells are shown on Figure 5-1. The details of the injection well design, drilling, construction, installation, and development processes are as follows.

5.4.2.1 Horizontal Injection Well Design

Design criteria for a horizontal well includes well screen location (including screen depth and length), screen size (slot size, slot pattern, and diameter), screen material, riser casing size and material, and borehole path. The intended use of the well, characteristics of the contaminants, and site hydrogeology are critical considerations in determining many of the above design criteria. For example, a horizontal well placed in the saturated zone to force air into the formation will have different design requirements than a saturated-zone groundwater extraction (dewatering) or unsaturated-zone well used for air extraction (SVE). The well-installation method is also an important factor when considering the type of screen and casing material. Wells may use pre-packed screen if there is concern about formation infiltration. However, prepacked screen may add greatly to the cost of the well and may be difficult to install, because of increased weight. Typically, following removal of the drilling fluids as part of the horizontal well development process, portions of the boring walls collapse creating a natural filter pack around the horizontal injection well casing and screen negating the filter pack requirement.

Due to the complexity of the horizontal well installation process and the need for drilling contractor expertise input, the horizontal well design details will be developed during the well installation proposal and contracting process.

5.4.2.2 Horizontal Injection Well Drilling

The two 4-inch diameter horizontal injection wells (SS61-IJ01 and SS61-IJ02) will be directionally drilled using either a CME 6015 drill rig (60,000 pounds [lbs] push/pull, 15,000 ft-lbs rotary torque) or a Vermeer D-50 (50,000 lbs push/pull, 10,000 ft-lbs rotary torque) drill rig. Based on the site conditions and the length of the required well, both the 6015 and the D-50 have the proper characteristics for successful completion of the continuous horizontal injection wells. These include high rotational torque, large mud capacity, sufficient pullback capacity, and ease of maneuverability.

The directional drill rigs have a footprint of approximately 10 feet by 45 feet. Drilling fluid is supplied to the rig via flexible hoses from the mud-mixing unit. The driller operates the rig and controls all drilling operations, including borehole advancement and steering the drilling tools. Additional persons working on the rig include a mud technician, who mixes and conditions the drilling mud, and a laborer/driver.

Additional support equipment that will be required will include the following:

- Backhoe
- Fork lift or grade-all as necessary
- Diaphragm and centrifugal pumps
- High-pressure rod cleaner

Drilling operations include preparing the entry and exit pits, advancing and mudding the pilot hole, reaming the pilot hole, and pulling the well materials into the hole. Although each of these steps is critical to the success of the installation, completing the pilot hole is the single most important step for accurate placement of the well. Once the pilot hole is established, the reaming and casing installation will follow the path of the initial pilot hole.

Entrance and Exit Pits

Entry and exit pits will be used to temporarily contain drilling fluids as they flow from the borehole during the drilling process. The pit will be approximately 4 feet wide, 4 feet long, and 3 to 4 feet deep. The pits can be aligned adjacent to the drill path and connected to the actual borehole by a small trench. This arrangement will permit the well completion to be constructed on firm native soil. The trenches will be backfilled with clean soil after the well materials have been installed.

Pilot Hole Advancement and Well Installation

The trajectory of the well and casing will be established by an initial pilot hole drilled from the surface to the desired well terminus. The pilot hole will be drilled using a 6-inch (15 centimeter [cm]) diameter drill bit. Drill rods will be 3.5-inch (8.9 cm) in diameter. An appropriate weight drilling mud will be maintained and circulated through the pilot/borehole during the drilling process to keep it open during the drilling and well installation process. The pilot hole will be drilled with an entry angle of approximately 12 to 17 degrees. The drill bit will be directed downward until it reaches the appropriate depth below ground surface, approximately 143 feet from the entrance point. At this point the drill will be directed to level off and proceed in accordance with the well path. The boring will continue at this orientation through the next 415 feet, which will comprise the screened interval, and then be directed to the surface, approximately 143 feet from the end of the screen. Based on this layout, SS61-IJ01 will be approximately 701 feet in length and SS61-IJ02 will be approximately 1,101 feet in length. The final length of the well will be dependent on the actual entrance and exit locations for each well.

High Density Polyethylene (HDPE) is proposed as the preliminary well material of choice to provide a flexible piping material that can be installed into the boring with irregular alignments. However, the final well material selection and associated filer pack may be revised based on the driller's assessment of site conditions and recommendations. It's anticipated that the well materials will be SDR-11 factory pre-slotted, with screen sections butt fused with the well casing in the field.

Horizontal Borehole Path and Accuracy

Guidance and navigation of the pilot borehole will be accomplished with a DCI Eclipse walkover guidance system. This system is the most sophisticated walkover locating device on the market today. It is capable of locating the drill head accurately at depths greater than 100 feet. It provides the locating technician pitch measurements on the sonde in tenths of percent. Integrated pitch measurements compared with the results of the direct measurements from the locator will provide an accuracy of +/- two feet in the horizontal plane and less than one foot in elevation for the depths desired.

Electronic drill guidance and tracking systems have been successfully employed in directional drilling of two horizontal dewatering wells operating at SS-61 currently. However, the most accurate of tracking systems cannot overcome the fact that no directional drilling equipment can prevent a deviation in the path if a rock or a pocket of very loose material is encountered. A rock can cause the drill head to deflect onto a new path, and a pocket of loose material can prevent the drill head from responding to steering commands.

These problems exist for every type of locating system. For practical purposes, this means that any given segment of borehole (and thus the final borehole) could deviate from the ideal path by as much as the minimum bend radius of a drill rod in the length between measurements. The maximum probable deflection in soil overburden with good drilling characteristics is quite small. If any deflection is detected, the drill head can be redirected to cancel the deviation and to get the borehole back to its planned position (within the tolerance of the tracking equipment). If major uncorrectable deviations occur, the pilot drill is pulled back and the borehole segment is re-drilled.

5.4.2.3 Horizontal Injection Well Completion and System Connection

Due to the complexity of the horizontal injection well installation process and the need for drilling contractor expertise input, the specific horizontal well construction and completion details will be developed during the well installation proposal and contracting process. After the well has been constructed within the horizontal borehole, a drilling mud degradation additive will be injected in the well casing and allowed to sit for 24 hours to break down the drilling mud. Well development will be conducted as described in Section 5.5.3.

A below-grade vault will house the well head and injection lines. The injection well will be completed in a below-ground vault in order to allow unrestricted site access. The vault will have

a locking hatch cover, will accommodate the well riser, and will be constructed such that the vault is waterproof. The well will be prepared for the vaults by excavation of the below-grade soils around the well. The vault will be lowered over the well riser and leveled on aggregate backfill. The well head will be connected to the injection line manifold and installed into a trench leading from the treatment trailer to the well head vault. The completed well will be surveyed and labeled by a licensed land surveyor.

5.4.3 Injection Well Development

After installation, injection wells will be fully developed, and the process documented, in accordance with the HAFB Basewide QAPP (Bhate, 2003a) to the greatest extent possible (i.e., some deviation from the development procedure may be required due to the unique characteristics of the horizontal well). Following removal of the drilling fluids as part of the horizontal well development process, portions of the boring walls collapse creating a natural filter pack around the horizontal injection well casing and screen.

5.4.4 Decontamination Requirements

Non-sampling equipment will be decontaminated as appropriate to minimize cross media contamination. Decontamination will be conducted in accordance with the HAFB Basewide QAPP (Bhate, 2003a).

5.4.5 Land Surveying

Well heads and injection well boring paths will be marked with pin flags, stakes, and/or flagging and will be surveyed using either global positioning system (GPS) or conventional civil survey techniques, as necessary to obtain the required level of accuracy. Horizontal coordinates will be referenced to the New Mexico State Plane Coordinate System, 1983 North American Datum (NAD83). Elevations will be referenced to the North American Vertical Datum of 1988 (NAVD88). Horizontal coordinates and elevations for the horizontal well locations will be recorded using a GPS to provide accuracy within 1 meter. A registered professional land surveyor will survey permanent monitoring well locations to provide the required accuracy of 0.1 foot for horizontal coordinates and 0.01 foot for elevations. Procedures to be used for GPS surveying are described in the HAFB Basewide QAPP (Bhate, 2003a).

5.4.6 Site Restoration

Site work and ground surface disturbances for this type of system include drilling and trenching activities. Where site conditions are significantly disturbed, post construction site restoration will be completed to ensure that the site drainage system and land surface are restored to their original state(s). Materials excavated during trenching will be used as backfill and and/or where possible, returned to its original location and compacted.

5.4.7 Investigation-Derived Waste

Investigation-derived waste (IDW) will be handled and disposed of in accordance with the HAFB Basewide QAPP (Bhate, 2003a). All liquids used or produced during drilling will be appropriately containerized or disposed of in an on-site dewatering settling tank. All necessary permits and notifications will be made to the HAFB Waste Water Treatment Plant prior to discharge of the IDW to the on-site dewatering system and discharge to the sanitary sewer system.

6 PERFORMANCE MONITORING PLAN

The primary objective of this SVCM Work Plan is to present the corrective measures for treating the saturated PCS present within the inaccessible areas at SS-61 (e.g. beneath existing facilities and utility corridors) using Aerobic In-Situ Enhanced Bioremediation. The proposed plan for treatment of these areas will be accomplished with the injection of air using two horizontal wells which will stimulate the microbial community to consume the hydrocarbon present below the water table. To the greatest extent possible, injection wells will be installed so the screened section is at or immediately below the contamination zone. This configuration will maximize the injection wells radius of influence, aid in nutrient distribution to treatment zones (treatment zone alpha and bravo), and limit the untreated volume of "dead-zones" or areas that do not receive nutrients immediately from the wells. The locations of the two horizontal wells are shown on Figure 6-1. Bhate will use the existing monitoring well network and 10 planned monitoring wells (SS61-MW23 to SS61-MW32) installed within the two treatment areas to monitor the AISEB performance and the delivery of nutrients to the treatment zone. Adjustments will be made to injection flow rate to maximize the radius of influence and to optimize nutrient distribution to inaccessible PCS treatment areas (Treatment Zones Alpha and Bravo). In addition, Bhate will monitor soil and MNA groundwater parameters within and around the in-situ treatment area to measure the overall performance of the AISEB.

The second component of the SS-61 corrective action is to excavate the accessible PCS and transport it to the HAFB FT-31 Land Farm for treatment. The SS-61 excavation operations (excavation, transportation, land farming (treatment), and backfilling of clean soil) will be conducted in accordance with the *Final Voluntary Corrective Measures Work Plan Site SS-61 Soil Remediation, Holloman AFB, New Mexico* (Bhate, 2007). The frequency of excavation confirmation soil sampling (sidewall and bottom samples) will be conducted in accordance with the *Memorandum Revision to Existing Approved Voluntary Corrective Measures Work Plan for Soil Remediation at Site SS-61 Holloman AFB, New Mexico* (Bhate, 2009).

The Performance Monitoring Plan presents the sampling and reporting requirements to determine the effectiveness of the AISEB remediation system. All of the remaining residual soil and groundwater contamination will be addressed with a site specific risk assessment (see Section 7 of this Work Plan) which will be included in the SS-61 Completion Report.

The objectives of the AISEB performance monitoring will be accomplished by installing 10 monitoring wells that will be sampled (quarterly for two years) for VOCs, SVOCs, TPH (GRO, DRO, and ORO), TDS, and MNA parameters (hydrogen sulfide [H_2S]/Sulfate, ferric and ferrous iron, manganese, nitrate/ammonia/Total Kjeldahl Nitrogen [TKN], total biological oxygen demand [BOD] and chemical oxygen demand [COD]). Additionally, eight soil borings will be advanced at predetermined locations within Treatment Zones Alpha and Bravo (Figure 6-1) to measure the contaminant mass reduction (VOCs, SVOCs and TPH [GRO, DRO, and ORO] in the soil. Additional soil borings will be advanced at each of the eight original soil boring locations on a semi-annual basis for two years (a total of 40 soil borings including a baseline

sampling event). The following sections present the performance monitoring groundwater and soil sampling programs.

6.1 Pre-investigation Requirements

Before site activities can begin, there are several pre-investigation documents and approval requirements to be met, including Air Force Form (AF Fm) 332 approval, Base dig permit with utility clearances, site security measures, and facility manager notification of the intended operations. Pertinent to the start of activities, a pre-construction meeting and site walk-through will be conducted with the USACE Resident Engineer, HAFB personnel, and Bhate Site Manager, to inspect site conditions for site/equipment access, equipment staging, and decontamination area(s), potential site hazards, and emergency evacuation routes. Also reviewed at this time will be project procedures in accordance with the schedule and planned activities.

6.1.1 AF Form 332

Prior to initiating drilling activities, a completed and approved AF Fm 332, will be obtained. This form authorizes construction work at HAFB and is required for the initiation of any construction work. This work order describes what activities will take place at the location.

6.1.2 Dig Permit/Utility Clearances

Prior to the submittal of the dig permit (AF Fm 103), the areas of drilling within Treatment Zones Alpha and Bravo (Figure 6-1) will be clearly delineated with marker flags, stakes, or paint, as appropriate to the surface material. Utility clearance approvals will be completed by the appropriate HAFB utility office (e.g., telephone, sewer, water, natural gas etc.). Upon receipt of the approved dig permit (AF Form 103) with the utility clearances, the Bhate Site Manager or other authorized project personnel will complete a site walk-through confirming the dig permit authorizations and make any required changes.

6.1.3 Site Security

Site security is concerned with safety at the site during all drilling activities, and areas surrounding the drilling activity, and will be addressed as outlined in the *Basewide Health and Safety Plan* (HASP) (Bhate, 2003b). At a minimum the exclusion zone will be secured with caution tape, and traffic cones surrounding the perimeter of the site. The size of the exclusion zone will be determined by the size of the drilling and support equipment, and the prevailing site conditions. Open boreholes will not be left unattended without first securing the immediate area surrounding the borehole, and covering the opening so that it does not become a hazard.

6.2 Performance Monitoring Requirements

The field work for the SS-61 performance monitoring will be conducted in accordance with Bhate Standard Operating Procedures (BSOPs) (Bhate, 2002) and HAFB Standard Operating

Procedures (SOPs) provided in the *Basewide Quality Assurance Project Plan* (Bhate, 2003a). These SOPs outline methodologies for soil boring advancement, soil sampling, soil sample description, field screening, monitoring well installation, groundwater sampling, sample management, equipment decontamination, and chain-of-custody procedures. The following sections describe the groundwater monitoring and soil sampling programs for performance monitoring of the SS-61 AISEB treatment system.

6.3 Groundwater Monitoring Program

The following subsections describe the groundwater monitoring program.

6.3.1 Monitoring Well Installation Activities

6.3.1.1 Monitoring Well Locations

The network of 10 new monitoring wells (SS61-MW23 to SS61-MW32) will be installed within the two areas of inaccessible PCS undergoing treatment using AISEB (Treatment Zones Alpha and Bravo). As shown on Figure 6-1, these wells have been strategically located to maximize coverage within the two areas of inaccessible PCS.

6.3.1.2 Monitoring Well Installation and Development

Ten permanent monitoring wells (SS61-MW23 to SS61-MW32) will be installed within the areas of inaccessible PCS at SS-61 as shown on Figure 6-1. These wells will be advanced using hollow stem auger drilling technology. The 10 permanent monitoring wells will be constructed of 15 feet of 2-inch schedule 40 PVC casing and screen with a slot opening of 0.10 inch in accordance with BSOP No. 10. The remaining borehole casing will be comprised of flush threaded 2-inch PVC casing. The wells will be located and elevations taken using a GPS.

Based upon previous SS-61 investigations, the 10 permanent monitoring wells will be installed to a depth of approximately 35 ft bgs. The annular space surrounding the screen will be backfilled with 10/20 silica sand capped with at least 2 feet of granular bentonite or ¼-inch diameter pellets. The bentonite will be hydrated prior to backfilling the remaining annular space with neat cement. The surface completion will consist of a lockable and tamper proof 8-inch diameter steel cover as a flush mount well completion with a concrete pad (3 feet square).

The 10 permanent wells will be developed to remove fine particulates and improve hydraulic communication with the surrounding saturated material as per BSOP No. 10. Well development will begin no sooner than 24 hours after grouting. Monitoring well development will take place by over-pumping each well until at least five well volumes have been removed, and the turbidity, pH, specific conductivity, and temperature have stabilized by +/- 10 percent for at least 3 consecutive readings.

6.3.2 Baseline and Quarterly Groundwater Sampling

6.3.2.1 Sample Collection

Groundwater samples will be collected from the 10 newly installed performance monitoring wells on a quarterly basis for 2 years. Additionally, a baseline groundwater sampling event will be conducted prior to activating the two horizontal air injection wells (oxygen delivery system). Therefore, a total of nine rounds of groundwater samples will be collected to monitor the performance of the AISEB. All groundwater samples will be collected in accordance with BSOP No. 10. Groundwater samples will be collected using low-flow sampling techniques using a peristaltic or submersible pump and new dedicated polyethylene tubing. The tubing will be placed at mid-screen and purged until field parameters are stabilized. The groundwater samples will be collected from mid-screen interval.

A total of 99 groundwater samples (over the course of the entire performance monitoring period), including 9 field duplicate samples, will be submitted to the laboratory for analysis of VOCs (Method 8260B); SVOCs (Method 8270C); TPH-GRO, -DRO, -ORO (Method 8015M); MNA parameters; and TDS (Method 2540C). The samples selected for laboratory analysis will be labeled, handled, and prepared for shipment in accordance with HAFB SOP No. 1. The groundwater samples which will be submitted for chemical analysis and MNA parameters are summarized in Table 6-1. The samples will be placed on ice and shipped under strict chain-of-custody to the laboratory for a standard 21-day turn-around time

6.3.2.2 Baseline and Quarterly Groundwater Monitoring Schedule

Based on the detailed project schedule presented in Section 2 of the *Project Management Plan Spill Site SS-61, Holloman Air Force Base, New Mexico* (Bhate, 2010) the installation and baseline sampling of the 10 performance monitoring wells will be completed by June 2012. It is currently anticipated that the first quarterly groundwater sampling event will be conducted in September 2012; therefore the final quarterly sampling event will be conducted in June 2014 (one sampling event every three months).

6.4 Soil Sampling Program

The following subsections describe the subsurface soil sampling program.

6.4.1 Hollow Stem Auger Soil Sampling

A total of 40 soil borings (SS61-SB68 to SS61-SB108) will be advanced within Treatment Zones Alpha and Bravo to a maximum depth of 40 ft bgs (approximately 20 ft below where the groundwater surface is encountered) using conventional HSA drilling techniques. The soil borings will be advanced with 5-⅝ inch outside diameter augers (2-¼ inch inner diameter) equipped with a 5-foot stainless steel continuous core barrel sampler in accordance with BSOP No. 1. A baseline soil sampling event will be conducted prior to activating the two horizontal air

injection wells (oxygen delivery system). The proposed locations for the initial eight soil borings are shown on Figure 6-1. Four additional soil borings will be advanced adjacent to each of the initial eight baseline locations on a semi-annual basis for two years (40 boreholes total). One soil sample will be collected from each borehole for offsite laboratory analysis for determining the effectiveness of the AISEB remedial action. Therefore, a total of five soil sampling events will be conducted to monitor the performance of the AISEB.

6.4.2 Soil Sampling and Analysis

A geologist or engineer will log each borehole. Continuous soil samples will be collected from these borings. Each boring will be visually classified and lithologically described in the field according to HAFB SOP No. 7 and the Unified Soil Classification System (USCS) (American Standards for Testing and Materials [ASTM] D 2487-92 and ASTM D 2488-90). A total of 45 soil samples, including 5 field duplicate samples, will be submitted to the laboratory for analysis of VOCs (Method 8260B); SVOCs (Method 8270C); and TPH-GRO, -DRO, and -ORO (Method 8015B). The samples selected for laboratory analysis will be labeled, handled, and prepared for shipment in accordance with HAFB SOP No. 1. The soil samples which will be submitted for chemical analysis are summarized in Table 6-2.

Soils will be field screened in accordance with HAFB SOP No. 6 using a PID to perform soil-headspace screening techniques. Notation will also be made of any visual (discoloration) and/or aromatic indicative of potential petroleum contamination. Based on headspace screening results, one soil sample with the highest PID reading from each boring will be selected for laboratory analyses. In order to determine the effectiveness of the AISEB, each of the subsequent soil samples that will be collected on a semi-annual basis will be obtained from the same depth as the original sample that was collected during the baseline sampling event.

6.4.3 Baseline and Semi-Annual Soil Sampling Schedule

Based on the detailed project schedule presented in Section 2 of the *Project Management Plan Spill Site SS-61, Holloman Air Force Base, New Mexico* (Bhate, 2010) the initial baseline soil sampling of the eight soil borings will be completed by June 2012. It is currently anticipated that the first semi-annual soil sampling event will be conducted in December 2012; therefore the final semi-annual soil sampling event will be conducted in June 2014 (one sampling event every six months).

6.5 Laboratory Analytical Methods

The chemical analysis of soil and groundwater samples collected during the performance monitoring at SS-61 will follow the USEPA SW-846 protocol. The soil and groundwater samples will be analyzed as follows:

- VOCs by USEPA Method 8260B
- SVOCs by USEPA Method 8270C

- TPH (GRO, DRO, ORO) by modified USEPA Method 8015B

The groundwater samples collected from monitoring wells will also be analyzed for the following MNA parameters:

- Hydrogen sulfide/Sulfate by USEPA SM18 4500S F/H
- Ferric iron by USEPA Method 200.7 and USEPA 3500 FE-D
- Ferrous iron by USEPA SM18 3500 FE-D
- Manganese by USEPA Method 6010B
- Ammonia by USEPA Method 350.1/SM18 4500 NH_3G
- Nitrate by USEPA Method 300/Method 9056
- Total Kjeldahl Nitrogen by USEPA Method 351.2
- Biological Oxygen Demand by USEPA 5210B
- Chemical Oxygen Demand by USEPA Method 410.4
- TDS by USEPA SM19 2540C

A total of 45 soil samples (based on 8 semi-annual samples for two years plus a baseline sampling event), including 5 field duplicate samples, and 90 groundwater samples including 9 field duplicate samples will be submitted to the laboratory for analysis. All samples for VOC analysis will also require a trip blank. The samples will be placed on ice and shipped under strict chain-of-custody to Accutest Laboratories in Orlando, Florida. Residual soil from the soil sampling will be discarded in accordance with the waste management procedures established in Section 8 of this Work Plan (Waste Management).

6.6 Surveying

The 40 boreholes and 10 new permanent monitoring well locations will be surveyed by a qualified surveyor using a survey grade Trimble® Geometrics Pro XR GPS in accordance with methods described in the Basewide QAPP (Bhate, 2003b). Horizontal locations will be relative to the State Plane Coordinate System, New Mexico Central and surveyed to an accuracy of +/- 1.0 ft. Vertical elevations will be referenced to NAD 1983. The top of casing (vertical control) will be used to determine the depth and elevation of the groundwater and surveyed to an accuracy of +/-0.01 ft. All SS-61 site maps will include a coordinate system (e.g., latitude/longitude) with the site and pertinent features.

6.7 Groundwater Elevations

During the sampling of monitoring wells under this SVCM Work Plan, groundwater elevations will be measured. The water level in each well will be gauged to the nearest 0.01 ft using an electronic water level indicator prior to sampling. The depth to water information will be used to prepare a water table contour map and calculate the volume of water to be purged from the well prior to sample collection. Elevations will be measured for each of the 10 new wells (SS61-MW23 through SS61-MW32) and from 21 existing wells (SS61-MW01, SS61-MW02, SS61-

MW-05 to SS61-MW13, SS61-MW15, SS61-MW16, and MW-29-01 through MW-29-08). A potentiometric surface map of SS-61 will be developed from the groundwater elevation data collected from the 31 permanent monitoring wells during this investigation.

6.8 Site Restoration

Upon completion of each soil boring and monitoring well installation, the locations will be restored to the grading of the surrounding area. Soil boring holes will be backfilled with bentonite or grout to the surface. Drilling equipment and debris will be removed. The site will be canvassed for trash, debris, etc. Final grade for the monitoring wells will allow for positive drainage in accordance with the surrounding area.

This page intentionally left blank.

7 RISK BASED CLEAN-UP APPROACH

It is anticipated that a site specific risk assessment will be conducted to address residual TPH and VOC contamination after the excavation of the SS-61 PCS source area(s) and two years of performance monitoring (for determining the effectiveness of the in-situ enhanced bioremediation for inaccessible PCS) are completed. The results from the offsite laboratory excavation confirmation soil samples (sidewalls and bottom) and the performance monitoring samples (soil and groundwater) will be evaluated to determine whether these corrective actions have removed the PCS to the point where there is an acceptable risk to human health due to exposure at the site. After these sampling activities are completed, a risk assessment will be performed by the Risk Assessment Management (RAM) Group to ensure that the risks to current and future receptors are acceptable. The risk based evaluation will be included in the submittal of the SS-61 Completion Report. The following sections present the various steps that will be included in the risk evaluation. If the completed evaluation indicates an acceptable risk, the site can be considered for closure with no further action. The risk assessment methodology consists of the following steps:

1. Compilation of data;
2. Identification of (chemicals of potential concern) COPCs;
3. Development of exposure model (EM);
4. Identification of target levels;
5. Calculation of representative concentrations;
6. Calculation of risk ratios; and
7. Uncertainty analysis.

Each of these steps are generally described below.

7.1 Compilation of Data

As a first step in the risk evaluation process, soil and groundwater data produced by this SVCM will be combined with all of the available historical data. The data that will be used for the risk assessment will then be identified using the following methodologies:

- Soil and groundwater data collected several years ago may not be used if recent samples (generally from the same areas as the old samples) more representative of current conditions are available.
- Historical soil samples that were located within the boundaries of subsequent excavations will not be used. Therefore, only analytical data collected from samples outside the excavation areas (soil and groundwater samples collected for in-situ performance monitoring described in Section 6 of this Work Plan), and sidewall and bottom confirmation samples, representative of any residual impacts will be used.
- Conservatively, data with laboratory qualifiers “B”, “Q”, and “J” will be considered as detected concentrations.

- TPH results are reported in three fractions (TPH-GRO (C6 – C10), TPH-DRO (C10 – C22), and TPH-ORO (>C22 – C36)). However, the results of two fractions (TPH-DRO and TPH-ORO) will be added as per the *New Mexico Environment Department TPH Screening Guidelines* (NMED, 2006b). The two fractions will be added as follows and shown as TPH (C10 – C36):
    - If two fractions contain detectable concentrations, the sum of the two will be taken and considered as detected;
    - If one of the samples contains a detectable concentration, the non-detect concentration will be replaced with ½ the detection limit and sum of the two fractions will be taken and considered as detected; and
    - If the two fractions have concentrations below the detection limits, the sum of ½ the detection limits will be taken and the sample will be considered as non-detect.
- If duplicate samples are collected, the original sample and the duplicate sample will be averaged as follows:
    - If both samples contain detectable concentrations, the average of the two will be taken and considered as detected;
    - If one of the samples contains a detectable concentration and the other is non-detect, the non-detect concentration will be replaced with ½ the detection limit and average of the two will be taken and considered as detected; and
    - If both samples have concentrations below the detection limits, the average of the two detection limits will be taken and the sample will be considered as non-detect.
- If a chemical is reported using two analytical methods (e.g. VOCs and SVOCs [i.e., naphthalene]), these two results will be averaged as per the methodology used for duplicate samples discussed above.

7.2 Identification of COPCs

For risk assessment purposes, all COPCs (VOCs and TPH [GRO, DRO, and ORO]) that are detected in soil and groundwater samples will be considered and screened based on the following criteria:

- If the maximum detected soil concentrations are less than the NMED SSLs for residential land use (NMED, 2009b), NMED's TPH screening guidelines (NMED, 2006b), or the USEPA RSLs (USEPA, 2010) for residential land use, these chemicals will not be considered further in the risk assessment.
- If the maximum detected groundwater concentrations are less than the lower of two groundwater standards (i.e., NMWQCC groundwater standards for contaminants [NMAC 20.6.2.3103] and the USEPA National Primary Drinking Water Regulation MCLs [USEPA, 2009a]), these chemicals will not be considered further in the risk assessment.

Identification of COPCs for the risk assessment will be completed after the compilation of data collected during the SS-61 SVCM.

7.3 Development of the Exposure Model

Following a review of available data, the CSM may need to be revised. This includes (i) re-assessing the distribution of COCs in soil and groundwater, (ii) verifying current and future land use, (iii) verifying site stratigraphy and hydrogeology, and (iv) verifying that a sufficient amount of data is available to adequately delineate the impacts and perform a risk assessment.

Once the conceptual site model has been refined, an exposure model will be developed. The exposure model is based on the CSM, and identifies the following:

- Media of concern
- Current and future receptors based on current and future land use, respectively
- Complete and incomplete exposure pathways

The media of concern includes subsurface soil, soil to depth of construction, and groundwater. Based on current information available for SS-61, receptors include (i) a current commercial/industrial worker, (ii) a future resident, and (iii) a future construction worker. Complete routes of exposure for each media of concern/COC/receptor combination will be identified and documented based on the above information.

7.4 Identification of Target Levels

For the complete exposure pathways identified per the CSM, target levels will be obtained or calculated as per the following sources:

- **Ingestion of, dermal contact with, and inhalation of vapors/particulates from soil:** If this pathway is complete, the target levels will be obtained from the following sources:

    - *Technical Background Document for Development of Soil Screening Levels, Revision 5.0* (NMED, 2009b)
    - *NMED TPH Screening Guidelines* (NMED, 2006b)
    - Regional Screening Levels Table (USEPA, 2010)

    For the constituents for which target levels are not available in the above sources, target levels will be calculated using the methodology included in the above sources.

    For the COPCs with both carcinogenic and non-carcinogenic adverse health effects, target levels are required for both carcinogenic and non-carcinogenic effects to evaluate the cumulative effects. The above sources present a minimum of two target levels for both cumulative effects. Therefore, the higher of two target levels for each cumulative effect, will also be calculated as per the methodology included in the above sources.

- **Indoor inhalation of vapors from subsurface soil and groundwater:** If this pathway is complete, the Johnson & Ettinger (J&E) model (USEPA, 2004a) will be used to develop the target levels for volatile COPCs in subsurface soil and groundwater. The use

of the J&E model is necessary because the NMED SSLs document (NMED, 2009b) and the USEPA RSLs (USEPA, 2010) do not have the indoor inhalation pathway. When the J&E model is used, the most current inhalation toxicity values will be used. Further, all exposure factors and physical chemical properties will be revised to be consistent with NMED guidance.

- **Dermal contact with groundwater:** If this exposure pathway is complete, the target levels for dermal contact with groundwater will be developed as per the *Risk Assessment Guidance for Superfund* [RAGS] *Volume I, Part E Supplemental Guidance for Dermal Risk Assessment* (USEPA, 2004b).
- **Outdoor inhalation of vapors from groundwater:** If this exposure pathway is complete, the target levels of volatile COPCs in groundwater will be developed as per the *Standard Guide for Risk-Based Corrective Action Applied at Petroleum Release Sites* (ASTM, 1995).

To calculate the target levels, the following parameters are required:

- Toxicity values
- Physical and chemical properties
- Exposure Factors
- Fate and Transport Parameters

Each of above parameters is discussed below.

7.4.1 Toxicity Values

The toxicity of a chemical for carcinogenic adverse health effects is quantified using a slope factor for ingestion and dermal contact pathways and unit risk factor for inhalation pathway. (Note that unit risk factor can be converted to an inhalation slope factor.) For chemicals that cause non-carcinogenic adverse health effects, toxicity is quantified by reference dose for ingestion and dermal contact pathways and reference concentrations for inhalation pathways. Note that reference concentration can be converted to an inhalation reference dose.

As per the *Technical Background Document for Development of Soil Screening Levels, Revision 5.0* (NMED, 2009b), most current toxicity values will be used and obtained from the following sources:

- USEPA, 2009b, Integrated Risk Information System (IRIS)
- USEPA, 2006, Provisional Peer Reviewed Toxicity Values (PPRTVs)
- Agency for Toxic Substances and Disease Registry (ATSDR), 2010, Minimal Risk Levels (MRLs)
- California Environmental Protection Agency (CalEPA), 2009, Office of Environmental Health Hazard Assessment (OEHHA)
- USEPA, 2001, Health Effects Assessment Summary Tables (HEAST)

For dermal contact pathways, slope factor and reference dose will be calculated as per the *Risk Assessment Guidance for Superfund (RAGS) Volume I, Part E Supplemental Guidance for Dermal Risk Assessment* (USEPA, 2004b):

$$SF_d = \frac{SF_o}{ABS_{GI}} \quad (7\text{-}1)$$

$$RfD_d = RfD_o \times ABS_{GI} \quad (7\text{-}2)$$

where:

SF_o	=	Slope factor for oral exposure $(mg/kg\text{-}day)^{-1}$
RfD_o	=	Reference dose for oral exposure (mg/kg-day)
SF_d	=	Slope factor for dermal exposure $(mg/kg\text{-}day)^{-1}$
RfD_d	=	Reference dose for dermal exposure (mg/kg-day)
ABS_{GI}	=	Fraction of contaminants absorbed in gastrointestinal tract (dimensionless)

The dermal absorption fractions will be obtained from the RSL Table (USEPA, 2010). The fractions of chemicals absorbed in the gastrointestinal tract are not readily available. However, the Texas Commission on Environmental Quality (TCEQ) has compiled a comprehensive list of these values (TCEQ, 2009) and these values will be used.

7.4.2 Physical and Chemical Properties

The chemical-specific physical and chemical properties required are water solubility, Henry's law constant, organic carbon adsorption coefficient, diffusion coefficient in air, and diffusion coefficient in water. The chemical-specific physical and chemical properties will be obtained from the following sources:

- *Technical Background Document for Development of Soil Screening Levels, Revision 5.0* (NMED, 2009b)
- Regional Screening Levels Table (USEPA, 2010)
- Spreadsheet Implementation of the J&E Model (USEPA, 2004a)
- Texas Risk Reduction Program (TRRP) Rule Tables (TCEQ, 2009)

7.4.3 Exposure Factors

The exposure factors will be obtained from the *Technical Background Document for Development of Soil Screening Levels, Revision 5.0* (NMED, 2009b). If the values are not available from the NMED (2009b), other sources will be used. Other sources include, but are not limited to:

- *Risk Assessment Guidance for Superfund: Volume I - Human Health Evaluation Manual, Part A* (USPEA, 1989a)

- *Risk Assessment Guidance for Superfund: Volume I – Human Health Evaluation Manual, Part B* (USEPA, 1989b)
- *Exposure Factors Handbook Volume 1 – General Factors* (USEPA, 1998)
- *Risk Assessment Guidance for Superfund Volume I, Part E Supplemental Guidance for Dermal Risk Assessment* (USEPA, 2004b)

7.4.4 Fate and Transport Parameters

As presented in Table 7-1, site-specific geotechnical data (bulk density, fractional organic carbon, moisture content, and specific gravity) were obtained from four geotechnical soil samples collected during the SS-61 VCM investigation conducted in May 2007. The geotechnical data from these four samples will be used for the SS-61 fate and transport assessment. For other parameters, site-specific data will be used wherever available. In the absence of site-specific data, conservative values based on literature or professional judgment will be used.

7.5 Calculation of Representative Concentrations

In order to evaluate risks of complete exposure pathways by the receptor of concern, the representative concentrations are required for each complete exposure pathway-receptor combination. The representative concentration is the average concentration to which the receptor is exposed over the specified exposure duration, within a specified geographical area, and for a specific exposure pathway. In most risk assessments, the exposure point concentration is assumed constant over the exposure duration. The calculation of risks involves many assumptions, most of which result in an overestimate of risk. A few relevant assumptions are:

1. Typically a receptor's exposure time is several years (e.g., 6 years for a resident child, 30 years for a resident adult, 25 years for a commercial/industrial worker, etc.).
2. Typically exposure occurs over an "area" of the site, not at one single point. The area of the site that contributes to chemical exposure is referred to as the exposure domain.
3. Typically fate and transport models are used to quantify the migration of chemicals. Examples include Domenico's model (Domenico and Schwartz, 1990) or Johnson and Ettinger's model. These models assume a "uniform" or average concentration over the exposure domain.
4. Typically environmental samples are biased high in that more samples are collected from the source areas and less from the areas outside the source. The concept of 95% Upper Confidence Limit (UCL) is statistically more appropriate for random samples collected over the exposure domain.

When estimating the representative concentrations, it is important to keep in mind the above assumptions. The implications of each of these are discussed below:

- **Assumption 1:** The receptors are unlikely to spend the entire duration in one spot. Instead the receptors are going to be exposed to chemicals over the entire exposure domain. Therefore, it is overly conservative to use the 95% UCL. Rather average concentrations over the exposure domain should be used.
- **Assumption 2:** Since exposure occurs over the entire exposure domain, the sampling should be designed to cover/characterize the entire exposure domain. In general, multiple samples to characterize the entire exposure domain are collected.
- **Assumption 3:** The mass balance assumptions inherent in the models assume that the risks are based on an average concentration over the entire exposure domain. Therefore, it is overly conservative to use the 95% UCL or maximum concentrations. Rather average concentrations over the exposure domain should be used.

Based on the above, the correct application of risk-based corrective action requires that average concentration over the exposure domain be used to calculate risks. Further, it is believed that the use of the 95% UCL or maximum concentration is overly conservative in the risk-based process, and should be avoided.

There is considerable regulatory concern whether the average concentration has been "artificially diluted" by taking only a few samples in the impacted area and a large number of samples in the uncontaminated area.

However, to avoid this circumstance, some states require that the maximum concentration over the exposure domain should also be compared with the representative concentrations. If the maximum concentration exceeds 10 times the representative concentration, possible reasons for an exceedance could be:

- The maximum concentration is an outlier,
- The average concentration was inaccurately calculated,
- The area of impact is not adequately characterized, or
- A hot spot may not have been adequately characterized.

The use of the 95% UCL to get an upper limit of the true average as opposed to the sample average is also very common. However, one of the underlying assumptions in the calculations of the UCLs is random sampling and a sufficiently large data set. These assumptions are often not valid within an exposure domain.

In general, representative concentrations for each COPC and each pathway-receptor combination will be estimated using the following methodology:

- Surficial soil will be assumed to be soil collected between 0 – 2 ft bgs.
- Subsurface soil will be represented by soil samples collected from 2 ft bgs to the water table.
- For the construction worker, representative concentrations of soil up to the depth of construction, i.e., samples collected between 0 – 10 ft bgs will be used.

- Non-detect concentrations will be replaced with half the detection limit for the calculation of representative concentrations.
- Representative concentrations will be based on the arithmetic average concentrations.

To avoid unintentional "dilution" of the average, non-detect concentrations located on the periphery of the exposure domain will not be included.

7.6 Calculation of Risk Ratios

Using the target levels identified above and the representative concentrations calculated from the above steps, the following risk ratios will be calculated as per the *Technical Background Document for Development of Soil Screening Levels, Revision 5.0* (NMED, 2009b):

- Site risk for carcinogens
- Hazard index for non-carcinogens

Risk ratios will be calculated for each receptor of concern and for each complete exposure pathways and each COPC.

If the calculated site risk is less than the target risk level of 1×10^{-5} or if the calculated site hazard index is less than one, the site can be considered for closure with no further action.

If the calculated site risk is greater than the target risk level of 1×10^{-5} or if the calculated site hazard index is greater than one, further site specific evaluation will be conducted. The target levels identified from the above step can be used as clean-up levels.

7.7 Uncertainty Analysis

As in any risk assessment, the evaluation contains several assumptions that are sources of uncertainties. In general, the sources of uncertainty are related to the following:

- Site characterization
- Constituents of concern
- Representative concentrations
- Exposure evaluation
- Toxicity values
- Physical and chemical properties
- Fate and transport parameters
- Fate and transport models

As appropriate, the sources of uncertainty will be discussed. Specifically, uncertainties of risks for the COPCs that are not included in the *Technical Background Document for Development of Soil Screening Levels, Revision 5.0* (NMED, 2009b) and the USEPA's Regional Screening Levels Table (USEPA, 2010) will be addressed.

8 WASTE MANAGEMENT

Investigation-Derived Waste (IDW) generated by the installation of horizontal air injection wells and performance monitoring activities include soil cuttings from the installation of injection and monitoring wells, soil and groundwater sampling activities, decontamination residuals, and personal protective equipment (PPE) (Table 8-1). Each waste stream will be managed and characterized according to the following guidelines. Waste containers and the decontamination pad will be managed in a secure area.

8.1 IDW Handling/Characterization

Waste will be managed and characterized according to HAFB SOP-9. Whenever possible, waste minimization techniques will be use to reduce the amount of IDW generated. IDW generated by the installation of the soil borings, new horizontal air injection and monitoring wells, monitoring well development, and the subsequent groundwater/soil sampling activities completed during the performance monitoring activities (Table 8-1) will be managed and characterized as follows.

8.1.1 Soil

Soil cuttings produced during the installation of soil borings will be screened with a PID for the presence of hydrocarbons. Soil which is free of organic vapors will be spread on the ground surrounding the well. When PID screening of the soil indicates the presence of hydrocarbons, the soil will be stockpiled on 10-ml thick polyethylene sheeting adjacent to each well location followed by immediate transport to the permitted HAFB FT-31 Land Farm for treatment.

8.1.2 Groundwater

Groundwater produced during both monitoring well development and sampling will be containerized in 55-gallon Department of Transportation (DOT)-approved drums and transferred to the 18,000 gallon storage tank staged at Site SS-61. Once the water has passed through the overflow weirs within the storage tank, in order to remove suspended solids, the water will be discharged into the HAFB storm-sewer system for transport to the Base Wastewater Treatment Plant.

8.1.3 Construction Rubble

Unless visibly stained, all construction debris (sidewalk and/or asphalt if encountered) is assumed to be non-hazardous, non-contaminated, and will be taken to the Base re-use facility.

8.2 Decontamination Wastes

8.2.1 Decontamination Water

Decontamination water is anticipated to be non-hazardous and as such, can be disposed of through the HAFB Wastewater Treatment Plant (WWTP). When feasible, decontamination water will be allowed to evaporate from the decontamination pad area. Sediment remaining in the decontamination pad area after the water has either evaporated or has been discharged to the WWTP will be combined with the excavated contaminated soil for treatment at the FT-31 Land Farm.

8.2.2 Decontamination Pad

A temporary decontamination facility (constructed with 10-mil polyethylene sheeting and lumber) for heavy equipment including drilling rigs and equipment, and tools will be constructed at a predetermined location onsite.

8.3 Petroleum Wastes

Bhate will implement reasonable precautions to prevent oily or other hazardous substances from entering the ground or nearby drainage areas. Equipment and storage vessels containing oils and fuels will be visually inspected prior to site entry and daily thereafter for leakage, drips, or other preventable releases. Any equipment or vessel damage will be immediately repaired or removed from the site. Releases of oily wastes will be remediated upon observation and impacted materials disposed of appropriately.

8.4 Personal Protective and Disposable Sampling Equipment

PPE, disposable sampling equipment, and the temporary decontamination facility is assumed to be non-hazardous debris/waste and shall be placed in plastic trash bags and disposed in a standard trash dumpster or receptacle as directed by HAFB personnel.

8.5 Housekeeping Program

Bhate's housekeeping program includes many items such as neat and orderly storage of materials, proper truck and tank placards, prompt removal of spillage, refuse pickup and disposal, maintenance of roads and surfaces, and provisions for the storage of material. A daily departure inspection will be performed by the Site Supervisor.

Any material spillage will be immediately contained and collected for subsequent disposal. Any spilled liquids will be contained and collected by absorbent materials. Spilled fuel and impacted soil will be collected and staged for subsequent disposal.

9 PROJECT QUALITY ASSURANCE

The laboratory performing the chemical sample analysis will follow the *Basewide Quality Assurance Project Plan* (Bhate, 2003a) and the Quality Assurance Project Plan Addendum (included in Appendix B of this Work Plan).

9.1 Inspection Activities

A key element in the Quality Assurance Plan is initiating periodic inspections. Inspections are conducted by the Construction Representative (CR), the project engineer, and the Quality Control Coordinator (QCC). These inspections may be conducted jointly or independently. The Bhate Project Manager (PM) and project engineer will also likely perform inspections during the implementation of the corrective measure. Although inspections are conducted continuously throughout the project, three formal inspections will be conducted and documented, including the following:

- Pre-implementation inspection and meeting
- Pre-Final inspection
- Final inspection

Inspections will be conducted on an ongoing basis to verify the following:

- Continuous compliance with this SVCM Work Plan is maintained
- Quality of workmanship is maintained
- Required tests are made
- Nonconforming conditions are identified and any rework is corrected prior to starting additional subsequent work, which could cover up defective work.

9.1.1 Pre-Implementation Inspection and Meeting

The USACE CR will conduct the pre-construction inspection and meeting at HAFB. Attendees will include the HAFB environmental chief, Bhate PM, project engineer, and QCC. The topics covered in the pre-construction conference generally include establishing hours of operation, reviewing the basic elements of work, documentation and reporting, securing utility clearances, and addressing basic site safety and health considerations. Minutes will be taken and recorded, or, at a minimum, information covered will be reflected in the QCC's report.

A pre-construction inspection will be held in conjunction with the pre-construction conference to identify and resolve any field conditions that may impact the execution of the SVCM Work Plan and to document the pre-construction conditions of the site. The USACE CR and the QCC will document the results of the inspection.

9.1.2 Pre-Final Inspection

When the horizontal air injection and monitoring wells are completed, a pre-final inspection will be conducted, from which a "punch list" or action item list will be prepared by the USACE CR. The inspection will verify that the work is consistent with the corrective measure design. Only minor nonconformance or incomplete elements of work should remain. The project engineer and QCC will accompany the CR during the inspection, confirming the requirement for noting the deficiencies, and will advise when the work will be completed. The project engineer will take immediate steps to resolve any deficiencies.

9.1.3 Final Inspection

When all punch list items have been addressed, the QCC will perform another inspection to verify all work has been completed and is in compliance with the SVCM Work Plan. The QCC will then notify the USACE CR that the work has been completed and is ready for verification by the USACE. The CR, project engineer, QCC, and Base environmental chief will conduct a final inspection verifying that all work has been completed on the project and is in compliance with the SVCM Work Plan. The final inspection will focus on the outstanding items noted during the pre-final inspection. The CR and QCC will document the results of the inspection.

9.2 Standard Operating Procedures

Applicable SOPs for completing this SVCM are located in Appendix A of the *Basewide QAPP* (Bhate, 2003a).

9.3 Sample Identification

Each environmental sample will be identified on the sample label and chain of custody records for each sample collected, regardless of type. Field duplicates will be paired with another field sample and will be classified as blind samples. The duplicate samples will appear in sequence with the regular samples. The identifier nomenclature will adhere to the procedures and guidelines established in the *Basewide QAPP*. Sample labeling will adhere to the format provided in the *Basewide QAPP*.

9.4 Documentation

This section describes the procedures for the control of quality-related documents and records associated with this SVCM, including those provided by the USACE and Bhate.

9.4.1 Daily Quality Control Reports

A Daily Quality Control Report (DQCR) will be completed for each day's work performed at the project site and, at a minimum, for every 7 days of corrective measure activities when no work

was performed on the project. The DQCRs will be submitted to the USACE CR. At a minimum the DQCRs will include the following:

- Type and number of control activities
- Results of inspections and tests
- Type of defects/causes for rejection
- Corrective actions proposed and taken
- Subcontractors personnel type and numbers working
- Weather conditions
- Delays and causes
- Verbal instructions given and received
- Submittal information
- Equipment on-site/hours worked
- Material/equipment received
- Off-site surveillance activities
- Health and Safety information
- Analytical Sample information (type, analysis to be performed, and location)
- Certification Statement

Additional pertinent documentation such as test reports, inspection reports, and subcontractor reports will be included as an attachment to the DQCR. The QCC and USACE CR will concur on the time and method of delivery of DQCRs during the pre-construction meeting.

9.4.2 Record Drawings

Record or as-built drawings will be maintained for the corrective measure. The record drawings will be marked up (redlined) to show all changes to the original design. Supporting documentation will be included as an attachment to the drawing or by reference to indicate approval of the changes. Completed marked-up drawings will be incorporated in the final drawing of record included in the SS-61 Completion Report.

9.4.3 Sample Documentation

Sample documentation, identification, and tracking will adhere to the prescribed methods found in the *Basewide QAPP*. All sampling activities will include documentation of significant activities, potential environmental influences during sampling, field variances, and sample identification information. At a minimum, field logbooks will be utilized to record dates and times, sampling protocols, project numbers, and sampler's name. Other pertinent information will include chain of custody numbers and air-bill tracking number. Chain of custody forms will be completed and included with each sample shipment; one per cooler.

At a minimum, the following sample collection information will be logged in the field book:

- Date and time
- Sample identification number

- Project number
- Sampler name
- Preservative (if any)
- Analysis
- Map or schematic of sampling location

If no map of sampling locations is available prior to sampling, a drawing of the site will be sketched on the left page of the field logbook to provide an illustration of all sampling points. Measured distances from sampling points to a fixed reference point will be recorded.

9.4.4 Field Logbook

Personnel will use only bound field logbooks for the maintenance of field records. The Project Manager will ensure that all field notes can be efficiently traced, filed, and retrieved. All entries will be recorded in indelible, waterproof ink. If errors are made, corrections will be made by crossing a single line through the error, correcting the information, and initialing and dating the correction.

Documentation and reporting of events and activities will be made in chronological order on the right page of an open logbook. All entries will be dated and time of entry recorded. At the beginning of each day, the first two entries will be "personnel/contractors on site" and "weather". At the end of each day's entry, the personnel will draw a diagonal line originating from the bottom left corner of the page to the conclusion of the entry and sign along the line indicating the conclusion of the entry or the day's activity. Once completed, the field logbooks become accountable documents and will be maintained as part of the project files.

The following general requirements apply to field logbooks:

- The left page of the logbook will be used for auxiliary reporting such as sketches, tables, etc.
- The date will be recorded at the top of every page in the left-hand corner of the right page.
- The time of entry recordings will be in columnar form down the left-hand side of the right page.

9.4.5 Field Analytical Data

The field analytical data collected at the site will include the field screening readings for selection of PPE, as well as field screening for headspace analysis. The breathing zone of the site will be screened for VOCs in the field at the time of sample collection utilizing an Organic Vapor Analyzer (OVA). If a high humidity condition exists at the time of sample collecting, a flame ionization detector (FID) is recommended since a PID is not a completely reliable screening instrument under these conditions. The field screening data will be recorded in the field logbook.

10 HEALTH AND SAFETY CONSIDERATIONS

Project Health and Safety practices will adhere to the *Basewide Health and Safety Plan* (Bhate, 2003b) and the Site Specific Addendum to the *Basewide HASP*, as included in Appendix C of this Work Plan. All work will be conducted in accordance with the USACE *Safety and Health Requirements Manual, EM 385-1-1,* 15 September 2008. It is anticipated that no greater than modified Level D PPE will be required to complete the site monitoring and sampling activities. This includes: Occupational Safety and Health Administration (OSHA) approved safety shoes, American National Standards Institute (ANSI) approved safety glasses (Z87.1) and hard hat (Z89.1-1997: Type I), sleeved shirt and long pants, leather work gloves and/or nitrile gloves during sampling, and as required, hearing protection.

Site security is part of safety during corrective measure implementation at the site. Items of concern include the proper designation and demarcation of the investigation boundaries (i.e., support zone [SZ], contaminant reduction zone [CRZ], and exclusion zone [EZ]), as appropriate. Likewise, compliance with any intrusive work requirements, posting of potential hazards, and control of un-authorized site personnel will be completed. This is discussed in the *Basewide HASP*.

At a minimum, the site will be secured with caution tape surrounding the perimeter of the site delineating the outer boundary of the SZ. This is essential in the utility clearance process and it serves as the demarcation of the site for both project and non-project persons. A CRZ and/or EZ will be established as guided by the HASP and site prevailing conditions.

This page intentionally left blank.

11 DATA MANAGEMENT

This section describes the overall data management strategy for the SS-61 SVCM Work Plan. Data validation will be conducted for all data packages in accordance with the project QAPP Addendum (included in Appendix B of this Work Plan). Once the data validation is complete, a Data Validation Report will be prepared for each laboratory sample delivery group (data package). The Bhate Chemist will submit the performance monitoring data (soil and groundwater) to the Environmental Restoration Information Management System (ERPIMS) database. An ERPIMS submittal is not required for the performance monitoring or excavation phases of this project.

11.1 Data Management and Strategy

The data management strategy will be used to accommodate and manage fixed-based laboratory generated data at standard turnaround time (21 days). Data to be generated includes chemical analytical data, as well as spatial and features information, hydrogeologic data, and various supporting data, such as photographs and standard daily forms information. The data management system is comprised of a central project reporting database.

11.2 Data Type

Analytical data will be generated by onsite field screening, as well as by offsite laboratory analysis. Analytical data generated by the offsite laboratory will be initially managed by the Laboratory Information Management System (LIMS) and transferred to the project team for use via electronic data deliverable (EDD) and hard copy. Prior to project startup, formats for the offsite laboratory EDDs will be approved to ensure smooth transfer and importation of the data into the central project database upon receipt.

Upon project completion, the data management system will be used to perform final spatial analysis, as well as to support tabular and graphic report development for deliverables and miscellaneous project communications as needed.

11.3 Sample Identification System

Each environmental and quality assurance/quality control (QA/QC) sample collected will be identified on the sample label and chain of custody records, regardless of type. Sample documentation, handling, and shipping will be in accordance with HAFB SOP-1. Table 11-1 provides the sample collection information inclusive of the container type and quantity for the soil and groundwater samples collected during the SS-61 SVCM performance based monitoring.

The sample nomenclature for soil samples collected from hollow-stem auger boreholes will be as follows:

SS61-SB68-28-a

Site alpha-numeric identifier: SS61 = Spill Site 61
Sample type identifier: SB = soil boring
Sequential hollow-stem auger boring number: 68, 69, etc.
Ending depth of sample interval: 28
Reserved for QA sample identifiers: a = field duplicate, EB = equipment blank, TB = trip blank, MS = matrix spike, MSD = matrix spike duplicate

The sample identification nomenclature for groundwater samples collected from monitoring wells will be as follows:

SS61-MW23-a

Site alpha-numeric identifier: SS61 = Spill Site 61
Sample type identifier: MW = monitoring well
Sequential monitoring well number: 23, 24, etc.
Reserved for QA sample identifiers: a = field duplicate, TB = trip blank, MS = matrix spike, MSD = matrix spike duplicate

11.4 Data Recording

The following paragraphs describe the data recording activities that will be performed for field data, offsite laboratory analytical data, and photographs.

11.4.1 Field Data

All information pertinent to a field and/or sampling survey will be recorded on appropriate data sheets, or in the project field logbook as described Section 10.5 of the HAFB Basewide QAPP (Bhate, 2003a). Specific data sheets are required by certain SOPs. Samplers will use a bound field logbook with consecutively numbered pages. Entries in the logbook will be made using indelible ink and will include at a minimum the following information:

- Name and address of the field contact (on logbook cover),
- Date of entry,
- Names and companies of personnel on site,
- General descriptions of each day's field activities,
- Documentation of weather conditions during field activities,
- Location of sampling (e.g., monitoring well),
- Data points for field equipment derived during calibration procedures,
- Observation of sample or collection environment,
- Identification of sampling device,
- Any field measurements made,
- Sequence of collection of environmental samples,
- Type of sample matrix (e.g., soil, groundwater, etc.),

- Date and time of environmental sample collection,
- Field sample identification number,
- Sample distribution (e.g., which laboratory shipped to for analysis),
- Sampler's name,
- Sample type (e.g., composite, normal, duplicate, other QC, etc.),
- For groundwater samples, which samples were filtered if any and filter size and type, and
- Preservative used, if applicable, for the environmental sample.

If an error is made on the document or in the logbook, corrections will be made simply by crossing a line through the error in such a manner that the original entry can still be read, and the correct information added as the change. All corrections will be initialed by the author and dated.

Each page in the logbook will be signed or initialed by the person making the entries. In addition to the information entered into the logbook, the appropriate data forms must be filled out as each activity is completed.

11.4.2 Laboratory Analytical Data

The offsite laboratory shall maintain electronic and hardcopy records sufficient to recreate each analytical event conducted. The minimum records the laboratory shall keep include the following:

- Cain of Custody forms,
- Initial and continuing calibration records including standards preparation traceable to the original material and lot number,
- Instrument tuning records (as applicable),
- Method blank results,
- Internal standard results,
- Surrogate spiking records and results (as applicable),
- Spike and spike duplicate records and results,
- Laboratory records,
- Raw data, including instrument printouts, bench work sheets, and/or chromatograms with compound identification and quantitation reports,
- Corrective action reports,
- Other method and project required QC samples and results, and
- Laboratory-specific written SOPs for each analytical method and QA/QC function in place at the time of project sample analysis.

11.4.3 Photographs

Any photographic documentation will be recorded in the appropriate logbook. Information to be recorded includes:

- Camera make and model,
- Time and date,
- Photographer,
- Details for the location of the photograph,
- Direction of photograph, preferably measured with field compass,
- Subject of the photograph,
- Significant or relevant features, and
- Names of any personnel included in photograph.

11.5 Data Reporting

Data obtained during sampling activities will be reported according to the Basewide QAPP (Bhate, 2003a). In accordance with the USACE *Chemical Quality Assurance for HTRW Projects Manual* EM 200-1-6, October 1997, the performance monitoring data is classified as definitive data. The data will be generated using rigorous, analyte-specific analytical methods where analyte identifiers and quantitations are confirmed and QA/QC requirements have been satisfied. For this project, regular and field duplicate samples are to be collected concurrently. The data will meet the objectives of the project for level of accuracy and precision required, intended use of the data, analytical methods, time constraints, and allowable decision errors. Risk evaluation and sampling results will be tabulated and summarized in the SVCM report for the site. An ERPIMS submittal is not required for the SS-61 SVCM.

11.5.1 Tabular Displays

All analytical chemistry data will be presented as either Form 1 reports and/or summary reports. The Form 1 analytical reports will contain the following:

- Laboratory Name, address, telephone number, contact person, and location where the test was carried out if different from the fixed laboratory address,
- Unique Laboratory Project Number,
- Total number of pages (report must be paginated),
- Client Project Number (if applicable),
- Laboratory Sample Identification (if applicable),
- Client Sample Identification,
- Test Method,
- Matrix and/or description of sample,
- Dates: sample collection, collection time, sample receipt, preparation, and/or analysis date,
- Definition of data qualifiers,
- Reporting units,
- Solid samples: indicate dry or wet weight, and
- Indication by flagging where results are reported below the quantitation limit.

Offsite laboratories shall provide data deliverables within the standard time specified. Analytical results for all samples will be presented in hard copy Form 1 and EDD formats. Electronic data shall be delivered in an appropriate format such that the data can be uploaded to the project database for subsequent manipulation and presentation.

Tabular summary reports listing non-chemical, field measurement data will also be generated as part of this project. These summary reports will be created on an as-needed basis to support field sampling efforts and/or final project reporting.

11.5.2 Graphical Displays

During the SS61 SVCM performance monitoring field effort, Figure 6-1 will be used by the field teams to guide their sampling activities. Staff will hand-annotate these maps for interim documentation of notable spatial information, such as:

- Indicating which locations have been sampled
- Documenting in-field sample location adjustments

Administrators will perform data input and changes, as well as work with the report development team to generate requested graphical and tabular reporting documents. Creation of presentation quality maps, as well as complex map layouts, and other complex displays, analysis, and processing of spatial data, will be performed using desktop Geographical Information System (GIS) software (such as Environmental Systems Research Institute's [ESRI's] ArcGIS program suite). The desktop GIS software will be used to produce maps intended for use in reports, as well as all plate-sized map prints.

11.6 Data Archiving

Hardcopy and electronic data shall be archived in project files and on electronic archive media for the duration of the project and for a minimum of 5 years, whichever is longer.

This page intentionally left blank.

12 PROGRESS AND COMPLETION REPORTS

This section provides the reporting requirements to document and track the progress of the recommended corrective measures at SS-61. The reports required include a construction completion/system startup report, progress reports, and a completion report.

12.1 Progress Reports

As part of implementing the corrective measure at SS-61, progress reports will be prepared at designated time intervals. The frequency of the progress reports will be specified in the Operations and Maintenance (O&M) plan (to be provided under separate cover). The progress reports will discuss system operation, the most recent sampling events, and related findings as they pertain to the corrective measures and their effects on site restoration. Recommendations for changes to the sampling frequency, wells sampled, and parameters for analysis will be included in the progress reports.

12.2 Completion Report

At the completion of the site activities associated with the corrective measure, a final report will be prepared. This report will document the entire corrective measure implementation process, including excavation, remediation system installation and operation, PCS treatment, performance monitoring activities, and the risk assessment process.

Data obtained during the excavation, confirmation, field screening, and performance monitoring sampling activities, will be reported according to the HAFB Basewide QAPP (Bhate, 2003a). In accordance with USACE EM200-1-6, the performance monitoring data is classified as definitive data. The data will be generated using rigorous, analyte-specific analytical methods where analyte identifiers and quantitations are confirmed and QA/QC requirements have been satisfied. For this project, regular, and field duplicate, samples are to be collected concurrently. The data will meet the objectives of the project for level of accuracy and precision required, intended use of the data, analytical methods, time constraints, and allowable decision errors. Risk evaluation and sampling results will be tabulated and summarized in the SVCM report for the site.

This page intentionally left blank.

13 ORGANIZATION AND SCHEDULE

During the implementation of field activities, Mr. John Hymer and Mr. Jim Moore will serve as the Project and Site Managers for the two phases of the SS-61 SVCM. Mr. Hymer will oversee and direct all field activities associated with the installation of the two horizontal air injection wells (described in Section 5 of this Work Plan) and Mr. Moore will oversee and direct all investigation and sampling activities associated with the performance monitoring (described in Section 6 of this Work Plan). Mr. Hymer and Mr. Moore will also provide on-site management of any sub-contractors for the SS-61 SVCM project. Mr. Frank Gardner is the Bhate Program Manager and will ensure required project documents, permits, contractual agreements, and other program tasks are completed. Key project personnel and their responsibilities are described in detail in Section 1.3.10.1 of the *Project Management Plan Spill Site SS-61, Holloman Air Force Base, New Mexico* (Bhate, 2010).

It is currently anticipated that the installation of the two horizontal air injection wells (oxygen delivery system) for the in-situ remediation of Treatment Zones Alpha and Bravo will commence in April 2012 and be completed sometime in June 2012. The initial baseline soil sampling of the eight soil borings will be completed after the two horizontal wells are installed (June 2012). Therefore, the first semi-annual soil sampling event will be conducted in December 2012 and the final semi-annual soil sampling event will be completed in June 2014 (one sampling event every six months). Additionally, the installation and baseline sampling of the 10 performance monitoring wells will also be completed in June 2012. The first quarterly groundwater sampling event will be conducted in September 2012 and the final quarterly sampling event will be completed in June 2014 (one sampling event every three months). A detailed project schedule for the SS-61 SVCM is included in Section 2 of the *Project Management Plan Spill Site SS-61, Holloman Air Force Base, New Mexico* (Bhate, 2010).

This page intentionally left blank.

14 REFERENCES

Agency for Toxic Substances and Disease Registry (ATSDR). December 2010. *Minimal Risk Levels.*

American Society for Testing and Materials (ASTM). 1995. *Standard Guide for Risk-Based Corrective Action Applied at Petroleum Release Sites.*

Bhate Environmental Associates, Inc. August 2002. *Bhate Standard Operating Field Procedures Manual.*

Bhate Environmental Associates, Inc. November 2003a. *Basewide Quality Assurance Project Plan*.

Bhate Environmental Associates, Inc. December 2003b. *Basewide Health and Safety Plan.*

Bhate Environmental Associates, Inc. June 2005. *Monitored Natural Attenuation Report for SS-61 (AOC-1001), Holloman AFB, NM.*

Bhate Environmental Associates, Inc. May 2007. *Final Voluntary Corrective Measures Work Plan Site SS-61 Soil Remediation, Holloman AFB, New Mexico.*

Bhate Environmental Associates, Inc. April 2009. *Memorandum Revision to Existing Approved Voluntary Corrective Measures Work Plan for Soil Remediation at Site SS-61 (August 2006), Holloman AFB, New Mexico.*

Bhate Environmental Associates, Inc. November 2010. *Project Management Plan Spill Site SS-61, Holloman Air Force Base, New Mexico.*

Brauner, J.S. and Killingstad, M. 1996. *In Situ Bioremediation of Petroleum Aromatic Hydrocarbons.*

California Environmental Protection Agency (CalEPA). July 2009. Office of Environmental Health Hazard Assessment (OEHHA). http://oehha.ca.gov/risk/ ChemicalDB/index.asp.

Domenico, P.A. and Schwartz, F.W. 1990. Physical and Chemical Hydrogeology. John Wiley and Sons, NY, p. 824.

Foster Wheeler Environmental Corporation (FWENC). August 1999. *Final Remedial Investigation Report for Spill Site 61, Holloman AFB, NM.*

FWENC. December 2000. *Final Phase II Remedial Investigation Report for SS-61 – Spill Site 61, Holloman AFB, NM.*

FWENC and Groundwater Technology Inc. (GTI). December 1997. *Draft Final Phase I and II RCRA Facility Investigation Report Site AOC 1001, Holloman AFB, NM.*

Microbial Insights, Inc. February 10, 2010. *Bio-Trap In Situ Microcosm Study, Site SS-61 Soil Remediation, Holloman AFB, New Mexico.*

NationView|Bhate JV III. October 2009. *Basewide Background Study, Holloman Air Force Base, New Mexico.*

New Mexico Administrative Code (NMAC). September 15, 2002. *20.6.2.3103, New Mexico Water Quality Control Commission Regulations*. http://www.nmenv.state.nm.us/NMED_Regs/gwb/20_6_2_ NMAC.pdf.

New Mexico Environment Department (NMED). February 24, 2004. Holloman Air Force Base, Hazardous Waste Facility Permit No. NM6572124422.

NMED. June 2006a. Table A-1: *NMED Soil Screening Levels*, *Technical Background Document for Development of Soil Screening Levels, Revision 4.0.*

NMED. October 2006b. *New Mexico Environment Department TPH Screening Guidelines.*

NMED. September 2, 2009a. *Notice of Conditional Approval: Revision to Existing Approved Voluntary Corrective Measures Work Plan for Soil Remediation at Site SS-61, July 18, 2009 Holloman Air Force Base, NM 6572124422, HAFB-05-007 and HAFB-05-008.*

NMED. December 2009b. Table A-1: *NMED Soil Screening Levels*, *Technical Background Document for Development of Soil Screening Levels, Revision 5.0.*

North Wind, Inc. November 2008. *Final Voluntary Corrective Measures Work Plan Addendum Site SS-61 Soil Remediation, Holloman Air Force Base, New Mexico.*

North Wind, Inc. February, 2009. *Voluntary Corrective Measures Addendum Letter Report Site SS-61 Soil Remediation, Holloman Air Force Base, New Mexico.*

Radian Corporation. June 1995. *Draft Final Phase II RCRA Facility Investigation Report, Table 1 Solid Waste Management Units, Holloman Air Force Base, New Mexico.*

SiteLAB® Corporation. 2006. *UVF-3100 Operating Manual*.

Texas Commission on Environmental Quality (TCEQ). 2009. Texas Risk Reduction Rules Tables.

U.S. Army Corps of Engineers (USACE). October 1997. *Chemical Quality Assurance for HTRW Projects Manual EM 200-1-6.*

USACE. November 2008. *Safety: Safety and Health Requirements Manual EM 385-1-1.*

U.S. Environmental Protection Agency (USEPA). 1989a. *Risk Assessment Guidance for Superfund: Volume I – Human Health Evaluation Manual, Part A.*

USEPA. 1989b. *Risk Assessment Guidance for Superfund: Volume I – Human Health Evaluation Manual, Part B.*

USEPA. 1998. *Exposure Factors Handbook Volume 1 – General Factors.*

USEPA. 2001. Health Effects Assessment Summary Tables (HEAST).

USEPA. June 2003. *National Primary Drinking Water Standards, EPA-816-F-03-016* (updated on November 28, 2006).

USEPA. February 2004a. *User's Guide for Evaluating Subsurface Vapor Intrusion into Buildings.*

USEPA. July 2004b. *Risk Assessment Guidance for Superfund Volume I, Part E Supplemental Guidance for Dermal Risk Assessment*.

USEPA. May 10, 2006. Provisional Peer Reviewed Toxicity Values. http://hhpprtv.ornl.gov/index.shtml.

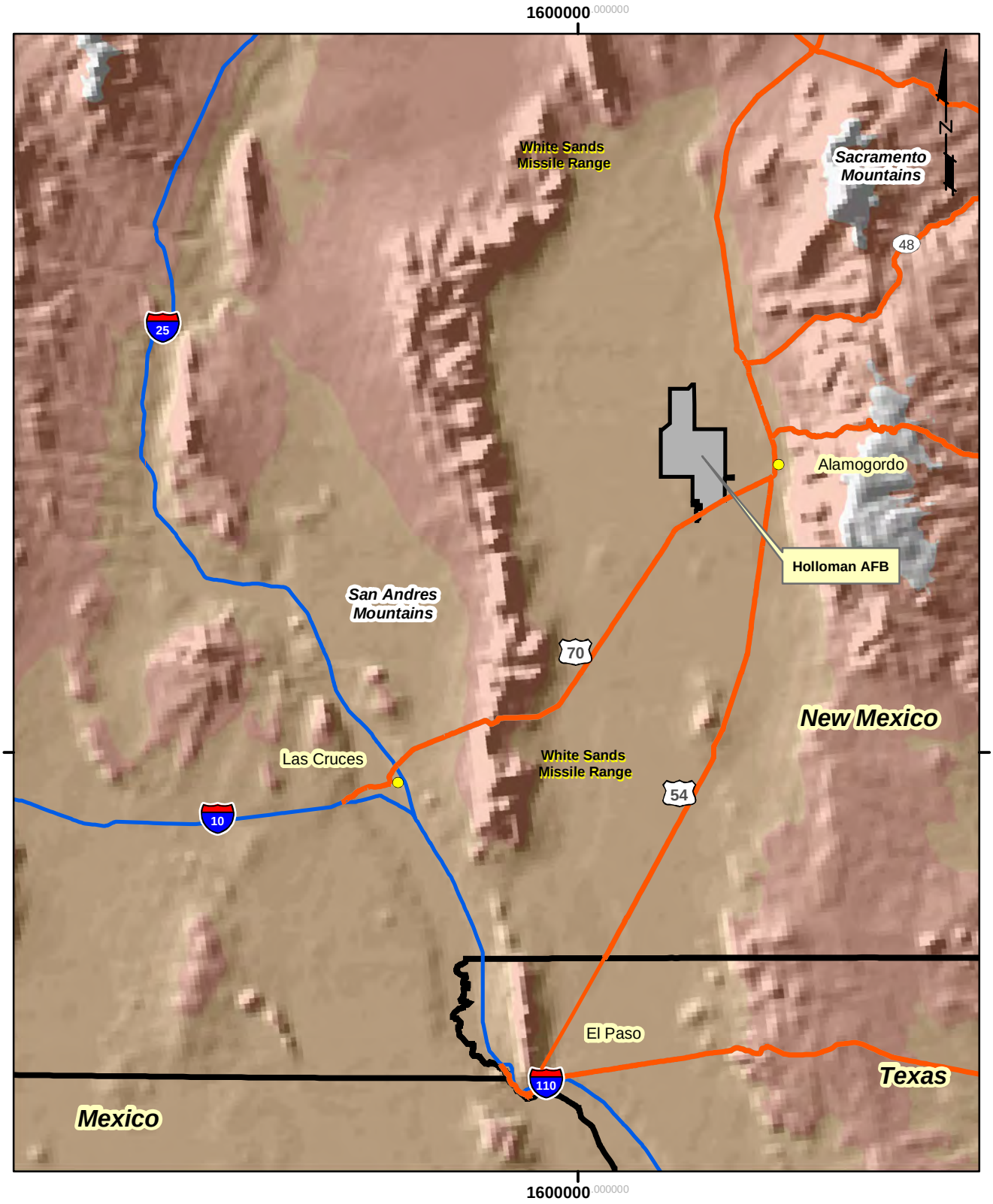
USEPA. May 2009a. *EPA National Primary Drinking Water Regulations.* EPA 816-F-09-004.

USEPA. May 2009b. Integrated Risk Information System. http://www.epa.gov/iris/.

USEPA. May 2010. *USEPA Regions 3, 6, and 9 Regional Screening Levels.* http://www.epa.gov/Region6/6pd/rcra_c/pd-n/screen.htm.

This page intentionally left blank.

FIGURES



Note: Projection-New Mexico State Plane Coordinate System, Central Zone, North American Horizontal Datum 1983 (feet).

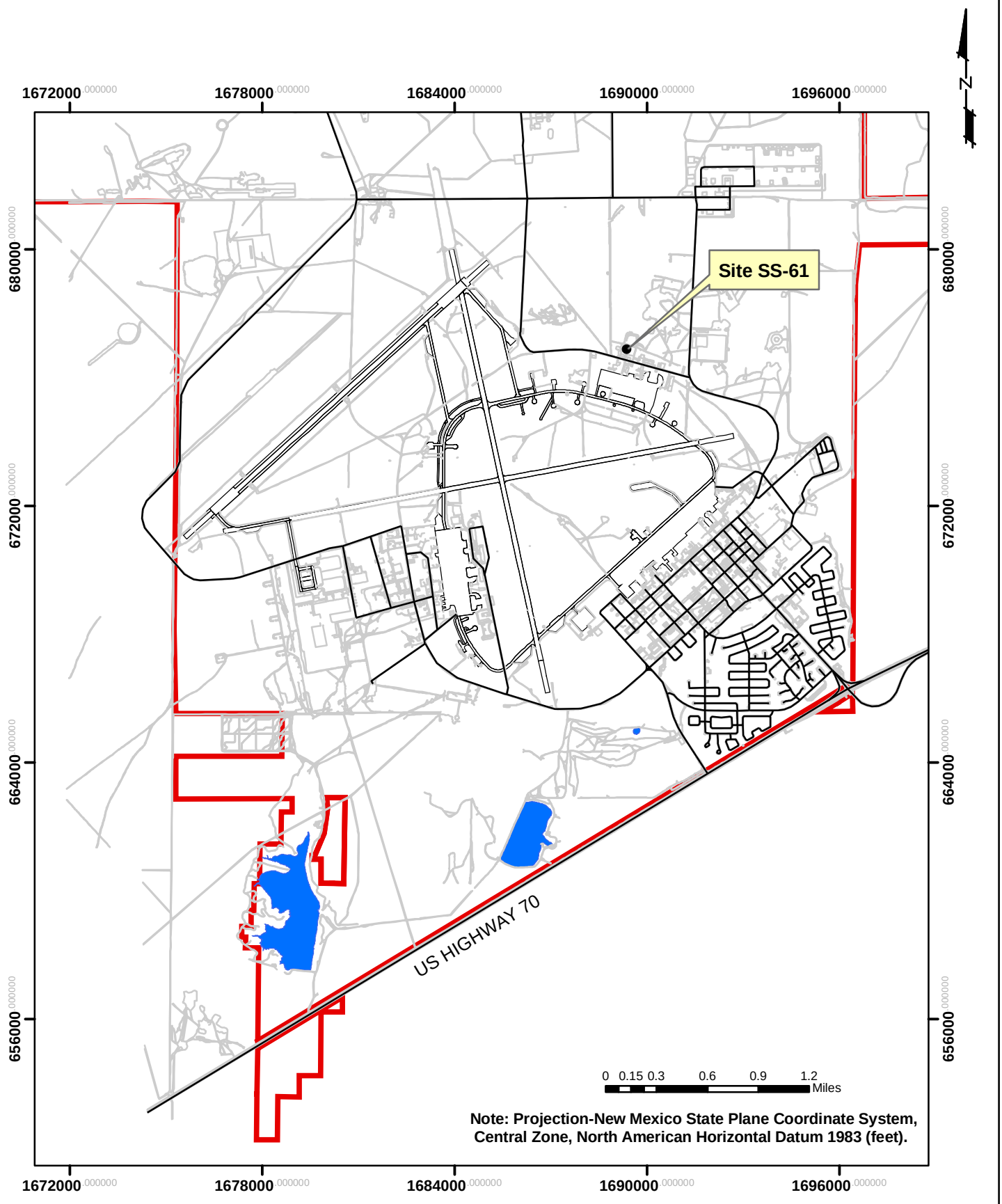
bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

Holloman AFB, New Mexico Location Map

PROJECT NO.	SCALE	DATE	DRAWN BY:	DRAWING NO:
9100133	1"=18 Miles	2/16/11	cm	Figure 1-1

Site SS-61
Supplemental
Voluntary Corrective Measures
Work Plan
Holloman Air Force Base, New Mexico

Figure 1-1



bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

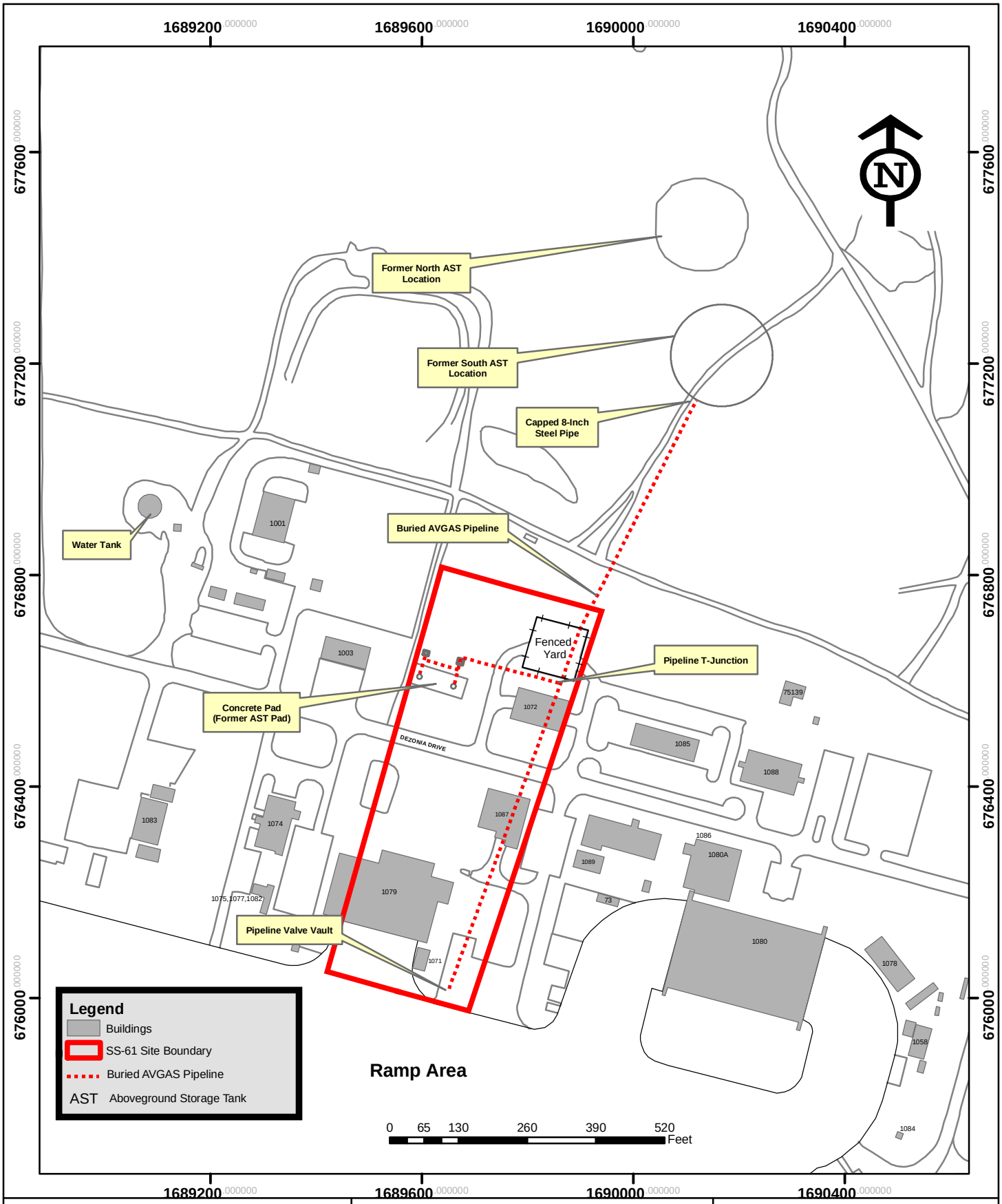
SS-61
Site Location Map

PROJECT NO.	SCALE	DATE	DRAWN BY:
9100133	Shown	2/16/11	cm

DRAWING NO: Figure 1-2

Site SS-61
Supplemental
Voluntary Corrective Measures
Work Plan
Holloman Air Force Base, New Mexico

Figure 1-2



bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

SS-61
Site Map

PROJECT NO.	SCALE	DATE	DRAWN BY:	cm
9100133	1"=250'	3/14/11	DRAWING NO:	Figure 1-3

Site SS-61
Supplemental
Voluntary Corrective Measures
Work Plan
Holloman Air Force Base, New Mexico

Figure 1-3

1672000 000000 | 1688000 000000 | 1704000 000000

700000 000000 | 680000 000000 | 660000 000000

4090 | 4100 | 4110 | 4120 | 4130 | 4140

4080 | 4070 | 4060 | 4050 | 4040 | 4030 | 4020

HAY DRAW | Malone Draw | RITAS DRAW | LOST RIVER | DILLARD DRAW

N

Holloman AFB

SS-61 Site Location

0 2,900 5,800 11,600

Feet

Source: Holloman AFB GIS, - 2002 LTM

Legend

- Groundwater Elevation Contours (ft) (Dashed Where Inferred)
- Holloman AFB Boundary
- Surface Water

bhate associates

ENGINEERING, SCIENCE AND CONSTRUCTION

Groundwater Contour Map Holloman AFB, New Mexico

PROJECT NO.	SCALE	DATE	DRAWN BY:
9100133	1"=5000'	3/14/11	cm
			DRAWING NO: figure 1-4

Site SS-61
Supplemental
Voluntary Corrective Measures
Work Plan
Holloman Air Force Base, New Mexico

Figure 1-4

bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

SS-61 Pre-Design Characterization Injection and Observation Wells

PROJECT NO.	SCALE	DATE	DRAWN BY:
9100133	1" = 40'	3/14/2011	dtm

DRAWING NO: Fig. 3-1

Site SS-61
Supplemental Voluntary Corrective Measures Work Plan
Holloman Air Force Base, New Mexico

Figure 3-1

Legend

- Treatment Zone
- Current Excavation Pit
- Existing Monitoring Well
- Vertical Extraction Well
- Dewatering Piping
- Air Injection Piping
- Excavation Limits
- Treatment Trailer

SITE SS-61
SUPPLEMENTAL VOLUNTARY CORRECTIVE MEASURES WORK PLAN
FUEL SPILL SITE
HOLLOMAN AFB, NEW MEXICO

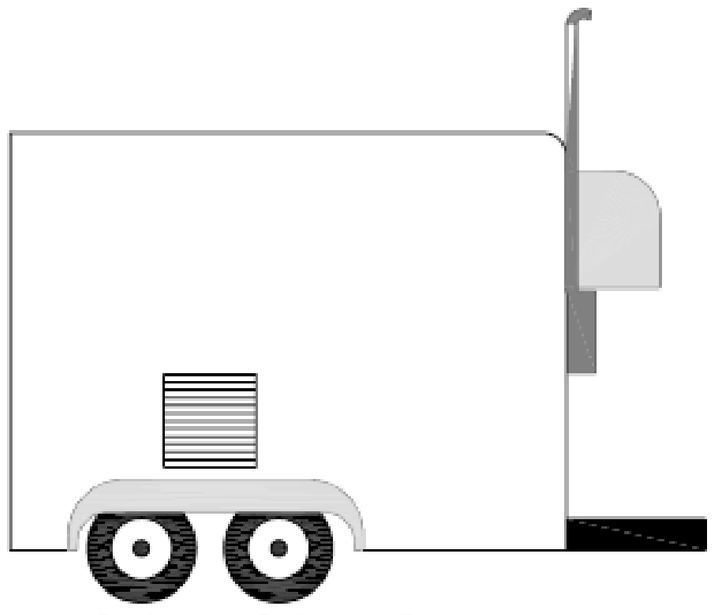
Figure 5-1

Injection Well Locations and Treatment Zones

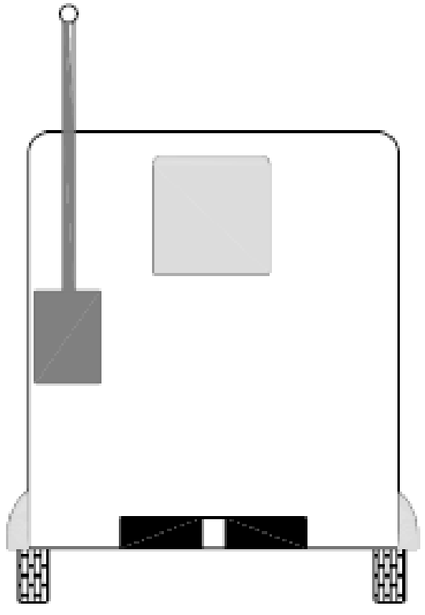
DRAWN BY:	DATE	SCALE	PROJECT NO.
JMS	05/10/2011	NTS	9100133

DRAWING NO:

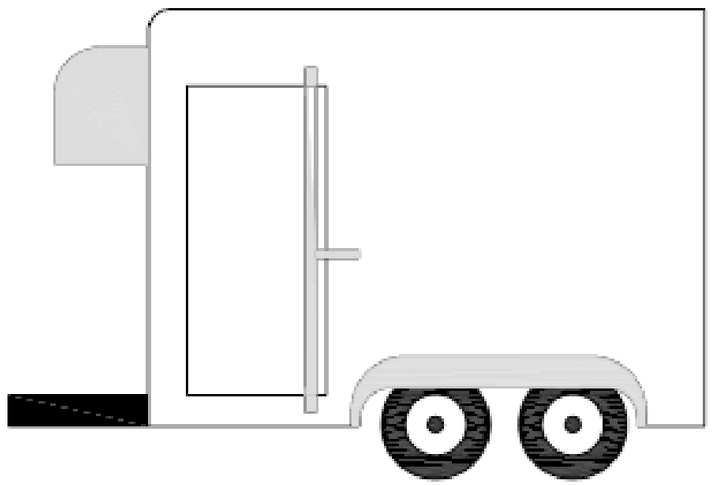
bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION



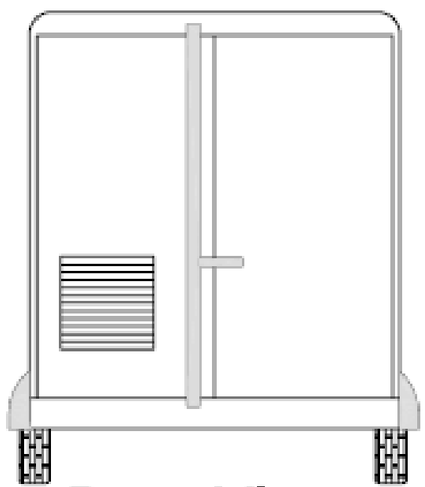
Right Side View



Front View



Left Side View



Rear View

This information is depicted
to provide visual aid within the context
of this report and should not be used
as a sole reference in precise dimensioning
of features indicated. Please verify the location
of all features including underground and
aboveground utilities prior to conducting any
subsurface exploration or site assessment.

SITE SS-61
SUPPLEMENTAL VOLUNTARY CORRECTIVE
MEASURES WORK PLAN
SS-61 BUILDING 1001
FUEL SPILL SITE
HOLLOMAN AFB, NEW MEXICO

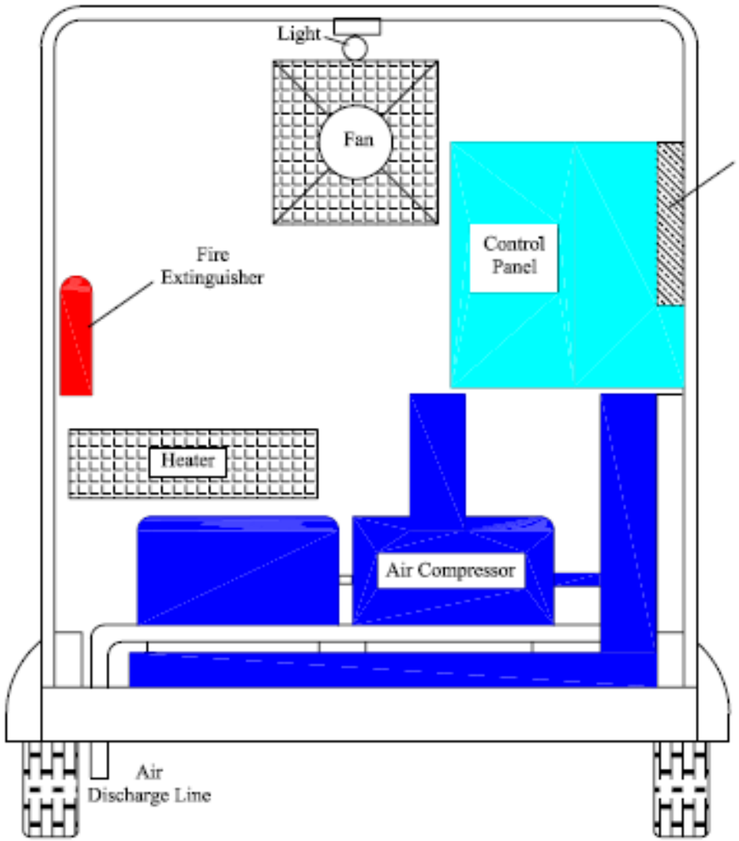
Figure 5-2

Trailer Design

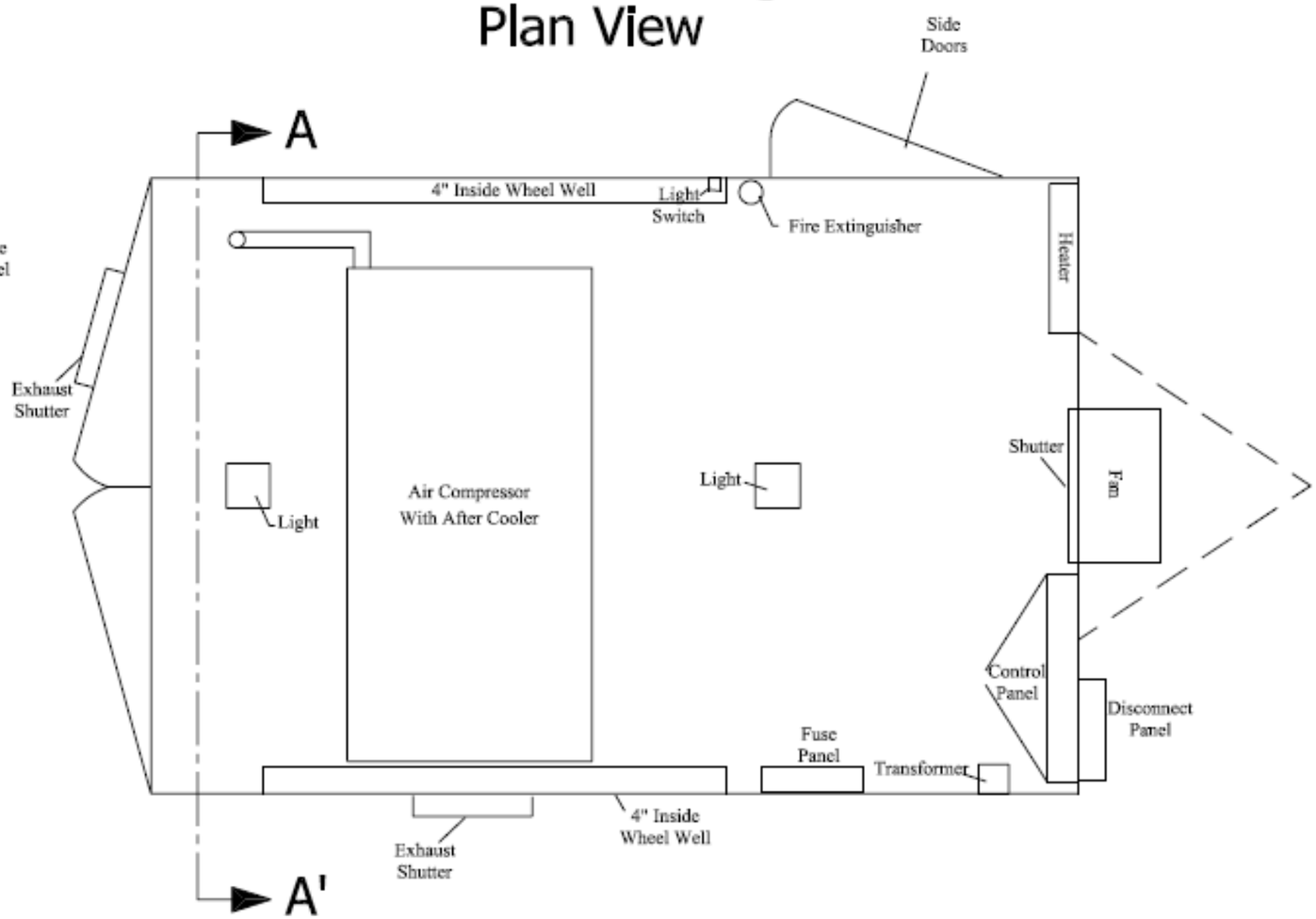
DATE	DRAWN BY:
02/15/2011	JMS
SCALE	DRAWING NO:
NTS	
PROJECT NO.	
9100133	

bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

12'x8' 7000 GVWR Cargo Trailer
Plan View



Section AA'



This information is depicted to provide visual aid within the context of this report and should not be used as a sole reference in precise dimensioning of features indicated. Please verify the location of all features including underground and aboveground utilities prior to conducting any subsurface exploration or site assessment.

SITE SS-61
SUPPLEMENTAL VOLUNTARY CORRECTIVE MEASURES WORK PLAN
SS-61 BUILDING 1001
FUEL SPILL SITE
HOLLOMAN AFB, NEW MEXICO

Figure 5-3

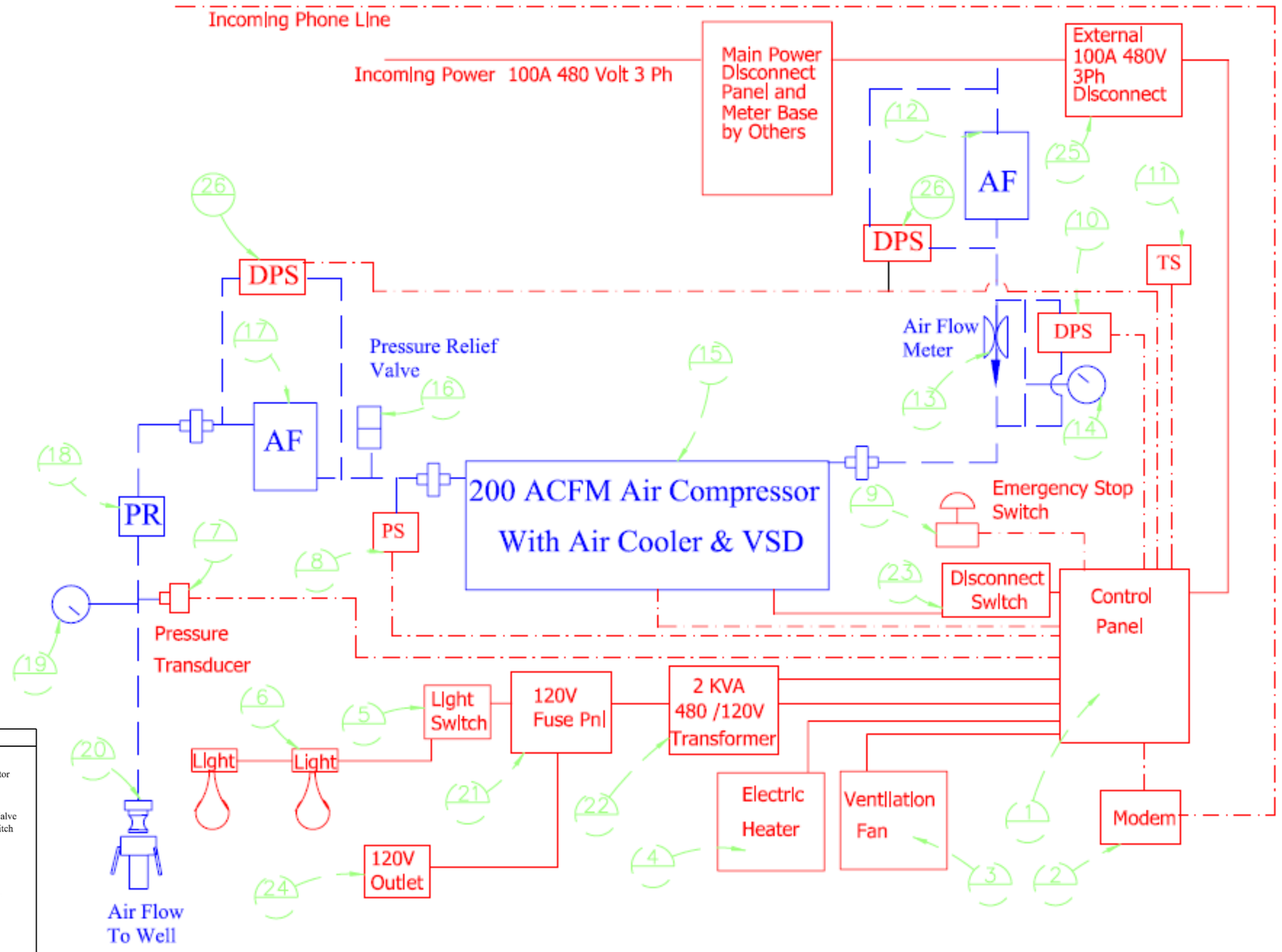
Trailer and Equipment Layout Diagram

PROJECT NO.	SCALE	DATE	DRAWN BY:
9100133	NTS	02/15/2011	JMS

DRAWING NO:

bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

No.	Qty	Description
1	1	Process Logic Inc. Control Panel
2	1	Phone Modem
3	1	Equipment Rm. Supply Fan
4	1	Equipment Rm. Heaters
5	1	Equipment Rm. Light Switch
6	2	Equipment Rm. Lights 100W.
7	1	Pressure Transducer
8	1	Pressure Switch
9	1	Emergency Stop Switch
10	1	Differential Pressure Transducer
11	1	RTD Temperature Sensor
12	1	Inlet Air Filter
13	1	Orifice Meter Lambda Squared
14	1	Square Root Scale Gauge Lambda Squared
15	1	30 Hp 200 ACFM Air Compressor
16	1	Pressure Relief Pop-Off Valves 40psi
17	1	Final Air Filter
18	1	Pressure Regulator
19	1	Pressure Gages 2.5" 0-60psi liquid filled
20	1	Cam and Groove Connector
21	1	30A 120V Circuit Breaker Panel
22	1	480V to 120V Transformer
23	1	Disconnect Switch for Air Comp.
24	1	120V duplex outlets in Equipment Rm.
25	1	480V 100A 3Ph Disconnect
26	2	Differential Pressure Switch



KEY

= Air, = Electric Power	PS = Pressure Switch
= Electric Control Wire	DPS = Differential Pressure Indicator
= Manual Tru-Union Style Ball Valve	= Globe Valve
= Air Actuated Butterfly Valve	= Flow Meter
= Cam Loc Connector	= Flow Meter With Control Valve
= Air Actuated Assured Automation Valve	LS = Level Sensor Proximity Switch
= Union	TS = Temperature Sensor
= Check Valve	FS = Flow Switch
= Spring Check Valve	= Well
= Butterfly Check Valve	= Solenoid Air Control Valve
= Pressure Transducer	AF = Air Filter
= Pressure Transducer Waterproof	PR = Pressure Regulator
= Emergency Stop Switch	DV = Dole Valve
= Orifice Flow Meter	= Pressure Relief Pop off Valve
= Gage	VB = Vacuum Breaker/Antisiphon
= Flow Direction	
= Manual PVC Sample Petcock Valve	

This information is depicted to provide visual aid within the context of this report and should not be used as a sole reference in precise dimensioning of features indicated. Please verify the location of all features including underground and aboveground utilities prior to conducting any subsurface exploration or site assessment.

SITE SS-61
SUPPLEMENTAL VOLUNTARY CORRECTIVE MEASURES WORK PLAN
SS-61 BUILDING 1001
FUEL SPILL SITE
HOLLOMAN AFB, NEW MEXICO
Figure 5-4

Process and Instrumentation Diagram

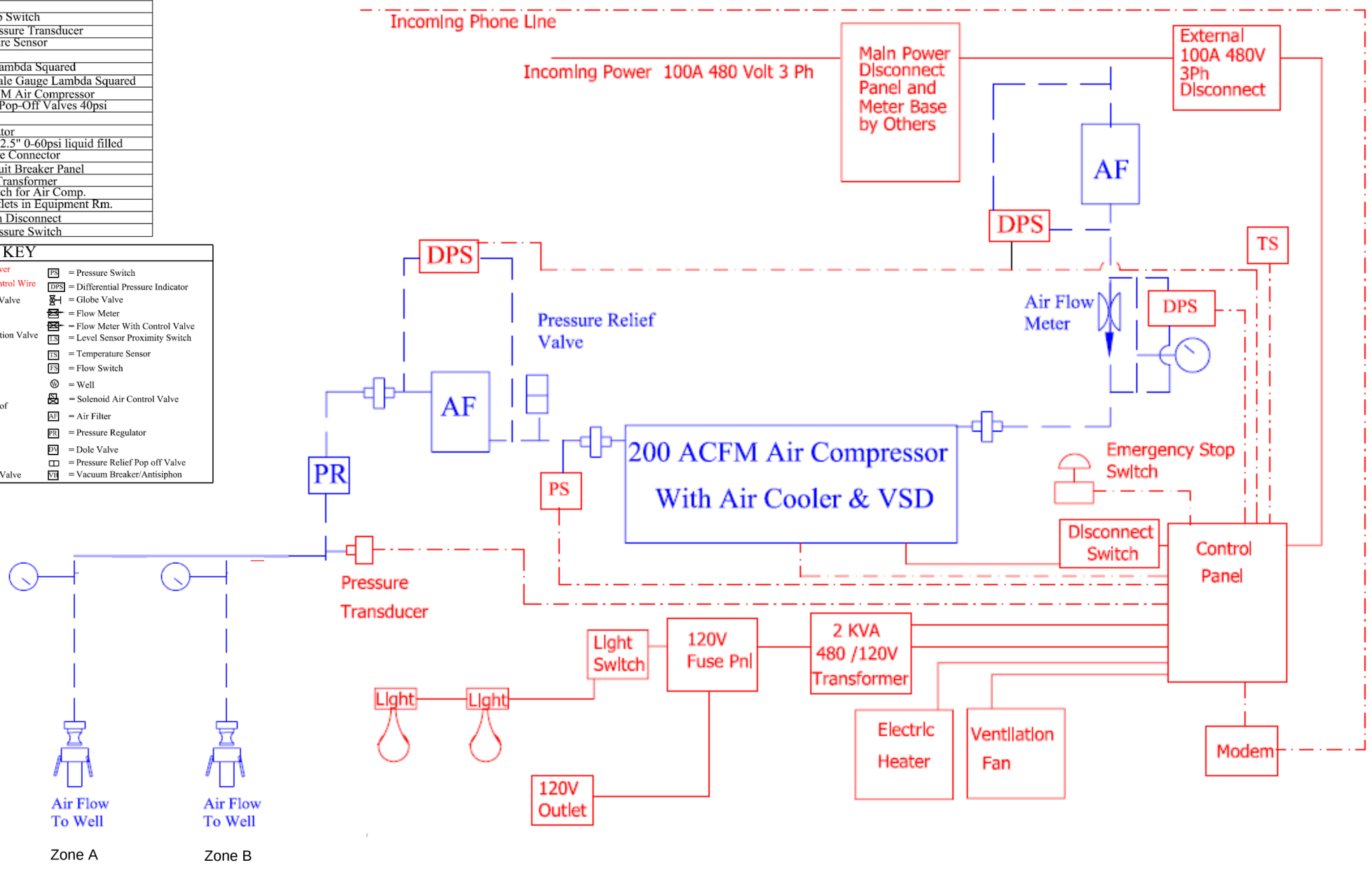
DRAWN BY: JMS
DRAWING NO:
DATE 02/15/2011
SCALE NTS
PROJECT NO. 9100133

bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

No.	Qty	Description
1	1	Process Logic Inc. Control Panel
2	1	Phone Modem
3	1	Equipment Rm. Supply Fan
4	1	Equipment Rm. Heaters
5	1	Equipment Rm. Light Switch
6	2	Equipment Rm. Lights 100W.
7	1	Pressure Transducer
8	1	Pressure Switch
9	1	Emergency Stop Switch
10	1	Differential Pressure Transducer
11	1	RTD Temperature Sensor
12	1	Inlet Air Filter
13	1	Orifice Meter Lambda Squared
14	1	Square Root Scale Gauge Lambda Squared
15	1	30 Hp 200 ACFM Air Compressor
16	1	Pressure Relief Pop-Off Valves 40psi
17	1	Final Air Filter
18	1	Pressure Regulator
19	1	Pressure Gages 2.5" 0-60psi liquid filled
20	1	Cam and Groove Connector
21	1	30A 120V Circuit Breaker Panel
22	1	480V to 120V Transformer
23	1	Disconnect Switch for Air Comp.
24	1	120V duplex outlets in Equipment Rm.
25	1	480V 100A 3Ph Disconnect
26	2	Differential Pressure Switch

KEY

- = Air
- = Electric Power
- = Electric Control Wire
- = Manual Tru-Union Style Ball Valve
- = Air Actuated Butterfly Valve
- = Cam Loc Connector
- = Air Actuated Assured Automation Valve
- = Union
- = Check Valve
- = Spring Check Valve
- = Butterfly Check Valve
- = Pressure Transducer
- = Pressure Transducer Waterproof
- = Emergency Stop Switch
- = Orifice Flow Meter
- = Gage
- = Flow Direction
- = Manual PVC Sample Petcock Valve
- PS = Pressure Switch
- DPS = Differential Pressure Indicator
- = Globe Valve
- = Flow Meter
- = Flow Meter With Control Valve
- LS = Level Sensor Proximity Switch
- TS = Temperature Sensor
- FS = Flow Switch
- W = Well
- = Solenoid Air Control Valve
- AF = Air Filter
- PR = Pressure Regulator
- DV = Dole Valve
- = Pressure Relief Pop off Valve
- VB = Vacuum Breaker/Antisiphon



This information is depicted to provide visual aid within the context of this report and should not be used as a sole reference in precise dimensioning of features indicated. Please verify the location of all features including underground and aboveground utilities prior to conducting any subsurface exploration or site assessment.

SITE SS-61
SUPPLEMENTAL VOLUNTARY CORRECTIVE MEASURES WORK PLAN
SS-61 BUILDING 1001
FUEL SPILL SITE
HOLLOMAN AFB, NEW MEXICO
Figure 5-5

Electrical and Piping Schematic

DRAWN BY: JMS
DRAWING NO:
DATE 02/15/2011
SCALE NTS
PROJECT NO. 9100133

bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

Legend

- Treatment Zone
- Current Excavation Pit
- Treatment Trailer
- Proposed Soil Sampling
- Proposed Monitoring Well
- Existing Monitoring Well
- Vertical Extraction Well
- Dewatering Piping
- Air Injection Piping
- Excavation Limits

SITE SS-61
SUPPLEMENTAL VOLUNTARY CORRECTIVE MEASURES WORK PLAN
FUEL SPILL SITE
HOLLOMAN AFB, NEW MEXICO

Figure 6-1

Treatment Zones, System Configuration & Monitoring Well and Sampling Locations

DATE	DRAWN BY:
05/10/2011	JMS
SCALE	DRAWING NO:
NTS	
PROJECT NO.	
9100133	

bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

TABLES

Table 6-1
Performance Groundwater Sampling and Analysis
SS-61 Supplemental Voluntary Corrective Measures Work Plan
Holloman AFB, New Mexico
Bhate Project No. 9100133

Analysis	Method	Primary [1]	Duplicates [2]	MS [3]	MSD [4]	Trip blanks [5]	Total
VOC	USEPA SW846 Method 8260B	90	9	0	0	50	149
SVOC	USEPA SW846 Method 8270C	90	9	0	0	0	99
TPH-GRO	USEPA SW846 Method 8015B	90	9	0	0	0	99
TPH-DRO	USEPA SW846 Method 8015B	90	9	0	0	0	99
TPH-ORO	USEPA SW846 Method 8015B	90	9	0	0	0	99
Fe^2 (Ferrous)	USEPA SM18 3500 FE-D	90	9	0	0	0	99
Fe^3 (Ferric)	USEPA Method 200.7 / SM18 3500 FE-D	90	9	0	0	0	99
Manganese (Mn)	USEPA SW846 Method 6010B	90	9	0	0	0	99
Hydrogen Sulfide (H_2S)	USEPA SM18 4500S - F/H	90	9	0	0	0	99
Sulfate	USEPA SW846 Method 9056	90	9	0	0	0	99
Ammonia	USEPA Method 350.1 / SM18 4500 NH_3G	90	9	0	0	0	99
Nitrate	USEPA 300 / SW846 Method 9056	90	9	0	0	0	99
TKN	USEPA Method 351.2 / SM18 4500 NH_3C	90	9	0	0	0	99
BOD	USEPA SM18 5210B	90	9	0	0	0	99
COD	USEPA Method 410.4 / SM18 5220C	90	9	0	0	0	99
TDS	USEPA SM19 2540C	90	9	0	0	0	99

Notes:

USEPA = U.S. Environmental Protection Agency
SW = USEPA Office of Solid Waste
SM = Standard Method
MS = Matrix Spike
MSD = Matrix Spike Duplicate
VOC = Volatile Organic Compounds
SVOD = Semi-Volatile Organic Compounds
TPH = Total Petroleum Hydrocarbons
Fe = Iron
DRO = Diesel Range Organics
GRO = Gasoline Range Organics
ORO = Oil Range Organics
TKN = Total Kjeldahl Nitrogen
BOD = Bilogical Oxygen Demand
COD = Chemical Oxygen Demand
TDS = Total Dissolved Solids

Footnotes:

[1] Ten groundwater samples will be collected during an initial baseline event, then on a quarterly basis for 2 years (8 quarters)

[2] Duplicate samples will be collected at a minimum frequency of 1 duplicate per event

[3] MS samples are not required for remedial action performance monitoring

[4] MSD samples are not required for remedial action performance monitoring

[5] Estimated, one trip blank will accompany every shipment of VOC samples

Table 6-2
Performance Soil Sampling and Analysis
SS-61 Supplemental Voluntary Corrective Measures Work Plan
Holloman AFB, New Mexico
Bhate Project No. 9100133

Analysis	Method	Primary [1]	Duplicates [2]	MS [3]	MSD [4]	Trip blanks [5]	Total
VOC	USEPA SW846 Method 8260B	40	5	0	0	10	55
SVOC	USEPA SW846 Method 8270C	40	5	0	0	0	45
TPH-GRO	USEPA SW846 Method 8015B	40	5	0	0	0	45
TPH-DRO	USEPA SW846 Method 8015B	40	5	0	0	0	45
TPH-ORO	USEPA SW846 Method 8015B	40	5	0	0	0	45
VOC (Field Sceening)	PID (Headspace)	320 [6]	0	0	0	0	320

Notes:

USEPA = U.S. Environmental Protection Agency

MS = Matrix Spike

MSD = Matrix Spike Duplicate

TPH = Total Petroleum Hydrocarbons

VOC = Volatile Organic Compounds

SVOC = Semi-Volatile Organic Compounds

DRO = Diesel Range Organics

GRO = Gasoline Range Organics

ORO = Oil Range Organics

PID = Photoionization detector

Footnotes:

[1] 8 soil samples will be collected on semi-annual basis for 2 years (including baseline event)

[2] Duplicate samples will be collected at a minimum frequency of 1 duplicate per event

[3] MS samples are not required for remedial action performance monitoring

[4] MSD samples are not required for remedial action performance monitoring

[5] Estimated, one trip blank will accompany every shipment of VOC samples

[6] Headspace collected continuously every five feet (Estimated footage = 1,600 feet)

Table 7-1
Soil Geotechnical Data (May 2007)
SS-61 Supplemental Voluntary Correctives Measures Work Plan
Holloman AFB, New Mexico
Bhate Project No: 9100133

Sample Identification	**Method**	**Unit**	**SS61-DP71-10**	**SS61-DP72-10**	**SS61-DP73-10**	**SS61-DP74-10**	**Average**
Depth (ft bgs)			**9-10**	**9-10**	**9-10**	**9-10**	
Date sampled			**5/9/2007**	**5/9/2007**	**5/10/2007**	**5/10/2007**	
Parameter							
Bulk Density (Dry Basis)	ASTM D2937-94 M	g/mL	1.2	1.1	0.94	1.1	1.085
Fractional Organic Carbon	ASTM D2974-87	%	1.3	1.9	1.4	2.0	1.650
Moisture Content (Solids, Percent)	EPA 160.3	%	19.8	21.88	27.07	14.0	20.688
Specific Gravity	ASTM 1429		1.6	1.4	1.5	1.5	1.500

Notes:

ASTM - American Society for Testing and Materials

EPA - Environmental Protection Agency

ft bgs - Feet below ground surface

g/mL - grams per milliliter

% - percent

SS61 = Spill Site 61

DP = Direct Push

Table 8-1
Proposed Waste Streams
SS-61 Supplemental Voluntary Corrective Measures Work Plan
Holloman AFB, New Mexico
Bhate Project No: 9100133

Activity	Waste Stream			
	PPE	Soil	Water	Debris
Equipment Decontamination				
Injection and Monitoring Well Installation				
Performance Monitoring (groundwater and soil)				

Note:
PPE = Personal protective equipment

Table 11-1
Sample Containers and Holding Times by Sample Media
SS-61 Supplemental Voluntary Corrective Measures Work Plan
Holloman AFB, New Mexico
Bhate Project No. 9100133

Media	Sample Collection Information	Analyte Group (Method)														
		VOCs (USEPA SW846 Method 8260B)	**SVOCs** (USEPA SW846 Method 8270C)	**TPH-GRO** (USEPA SW846 Method 8015B)	**TPH-DRO/ORO** (USEPA SW846 Method 8015B)	**Moisture Content** (USEPA Method 2540B)	**Fe^2 / Fe^3** (USEPA 200.7/ SM18 3500 FE-D)	**Mn** (USEPA SW846 Method 6010B)	**H_2S** (USEPA SM18 4500S-F/H)	**Sulfate** (USEPA SW846 Method 9056)	**Ammonia** (USEPA Method 350.1/SM18 4500 NH_3-C)	**Nitrate** (USEPA Method 300/9056)	**TKN** (USEPA Method 351.2/SM18 4500 NH_3-C)	**BOD** (USEPA SM18 Method 5210B)	**COD** (USEPA 410.4/ SM18 Method 5220C)	**TDS** (USEPA SM19 Method 2540C)
Soil	Container Type	En Core	8 oz glass jar	En Core	8 oz glass jar	4 oz soil jar	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Container Quantity	3	1	2	1	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Holding Time	48 hours	7 days (extraction) 40 days (analysis)	48 hours	7 days (extraction) 40 days (analysis)	14 days	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Groundwater	Container Type	40-mL VOAs	1-L Amber	40-mL VOAs	1-L Amber	NA	250-mL Poly	500-mL Poly	250-mL Poly	250-mL Poly	250-mL Poly	250-mL Poly	250-mL Poly	1-L Poly	250-mL Poly	500-mL Poly
	Preservative	HCL	NA	HCL	HCL	NA	NA	HNO_3	Zinc Acetate &	NA	H_2SO_4	NA	H_2SO_4	NA	H_2SO_4	NA
	Container Quantity	3	2	3	2	NA	1	1	2	1	1	1	1	1	1	1
	Holding Time	14 days (preserved)/ 7 days (non preserved)	7 days (extraction) 40 days (analysis)	14 days (preserved)/ 7 days (non preserved)	7 days (extraction) 40 days (analysis)	NA	24 hours	180 days	7 days	28 days	28 days	48 hours	28 days	48 hours	28 days	48 hours

Notes:
VOC = Volatile Organic Compounds
SVOC = Semi-Volatile Organic Compounds
TPH = Total Petroleum Hydrocarbons
TDS = Total Dissolved Solids
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
ORO = Oil Range Organics
USEPA = U.S. Environmental Protection Agency
SW = USEPA Office of Solid Waste
Fe^2 = Ferrous Iron
Fe^3 = Ferric Iron
Mn = Manganese
H_2S = Hydrogen Sulfide
TKN = Total Kjeldahl Nitrogen
BOD = Biological Oxygen Demand
COD = Chemical Oxygen Demand
SM = Standard Method
NA = Not Applicable
oz = ounce
mL = milliliter
VOA = Volatile Organic Analysis (vial)
L = Liter
Poly = Polyethylene
Preservatives
H_2SO_4 = Sulfuric Acid
HNO_3 = Nitric Acid
HCL = Hydrochloric Acid
NaOH = Sodium Hydroxide

ATTACHMENT A

Memorandum Revision to Existing Approved VCM Work Plan for Soil Remediation at Site SS-61, HAFB, New Mexico (Bhate, 2007) and NMED Notice of Conditional Approval (NMED, 2009)

MEMORANDUM
REVISION TO EXISTING APPROVED VOLUNTARY CORRECTIVE MEASURES WORK PLAN FOR SOIL REMEDIATION AT SITE SS-61 (August 2006) HOLLOMAN AFB, NEW MEXICO

DATE: April 24, 2009

FROM: Frank Gardner and Chuck Schick, Bhate Associates, Inc.

TO: David Strasser, NMED Hazardous Waste Bureau

COPY: David C. Scruggs, 49 CES/CEA

SUBJECT: **REVISION TO EXISTING APPROVED VOLUNTARY CORRECTIVE MEASURES WORK PLAN FOR SOIL REMEDIATION AT SITE SS-61 HOLLOMAN AFB, NEW MEXICO (HWB-HAFB-05-007 and HAFB 05-008)**

The purpose of this memorandum is to provide justification and request limited modification to the existing Voluntary Corrective Measures work plan. Section 1.0 contains a brief explanation of the approved work plan and the conditions encountered during initial implementation. Section 2.0 identifies the specific modifications requested. Section 3.0 summarizes the justifications for the requested modifications.

1.0 BACKGROUND

In August 2006, Holloman AFB submitted a VCM work plan to address remediation of soil (by excavation and land farm treatment) at Environmental Restoration Program (ERP) site SS-61. The work plan was approved by NMED in April 2007. Worked commenced under the plan in June 2007 and was suspended in August 2007. The release consists of aviation gasoline used to supply a temporary unit of post WWII propeller driven bombers that were temporarily stationed at Holloman. The original conceptual model for the work plan involved the excavation of soil from releases along the 8 inch steel pipeline and/or perhaps the debris areas where overfilling may have occurred. However, the excavation of the T-junction in the 8-inch steel pipeline north of Building 1072 revealed conditions not anticipated in the conceptual model. The excavation activities of 2007 revealed the following conditions at the site:

1. A major source of contamination to the subsurface resulted from the failure of a simple mechanical T-joint located north of Building 1072. Another major source area is at the terminus of the pipeline near Building 1071.
2. Very little contamination is present above the current water table. However significant contamination is present in soil beneath the present water table.
3. The present water table is artificially higher due to the presence of leaking water lines leading to and from the large water tower west of the site which have raised static levels by about 10 ft. Depth to water in this part of the base is typically 30 ft below ground surface (bgs) but averages 20 ft bgs at SS-61. This submerged contamination was not anticipated in the conceptual model for the ACM or for that matter, by any of the previous investigations conducted at the site

The gasoline AST and piping system operated approximately between 1946 and perhaps the mid 1950s. This predates the installation of the high pressure water lines and water tower located west of the site. Leaks from this water supply system have resulted in a raised water table which submerged the hydrocarbon source area. Since previous investigations were based upon a more traditional conceptual model -a hydrocarbon release from the surface/near subsurface to a static water table and product dispersed on top of the water table- the extent of contamination was never properly characterized. Also, this appears to explain why the distribution of contamination across the site seemed so random and without a distinct source during previous investigations. All previous investigations, like most hydrocarbon studies, focused on area above the present water table and any contamination detected was the result of hydrocarbons released from the submerged stratum.

Work was suspended in September 2007 and Air Combat Command ordered and funded Holloman to conduct an assessment of extent of PCS located below the water table (VCM Addendum Letter Report, North Wind Inc., 2009). In September and October 2008, soil borings were installed and sampled across the site in a manner consistent with previous investigative techniques. During this investigation, soil borings were advanced below the current water table and to the submerged PCS located between approximately 25 and 40 feet bgs.

Attachments 1, 2, 3, 4 & 5 (**Figures 6-2, 6-3, 6-4, 6-6 and 6-7 from the VCM Addendum Letter Report, (North Wind, 2009)** illustrate the lateral extent and vertical extent of PCS in soil above the New Mexico SSLs. Based upon this characterization effort, it appears that approximately 8 acres of PCS with a thickness ranging between approximately 10 and 20 feet thick exists north of Dezonia Road. Another area of PCS exceeding the SSL was delineated south of Building 1071. Some of the PCS will be remediated through excavation and land farming while other areas are not accessible due to structures and large scale utilities. Areas not treatable through excavation and land farm treatment

will be addressed with a separate VCM work plan and will presumably undergo some type of passive technology. PCS is clearly discernable by both visual and olfactory senses. It is darkly stained and has a strong hydrocarbon odor. Conversely, un-impacted soils, are clean and do not produce hydrocarbon odors.

Holloman plans on excavating a large portion of this PCS in accordance with the existing approved VCM work plan with some modifications due to the scale of the excavation. These modifications are discussed in Section 2.0 and are consistent with other comparable large scale remediation activities at the Base (such as sites SS02/05 and T38).

2.0 WORK PLAN MODIFICATIONS

Attachment 6 is a map of the area to be remediated through excavation and land farm treatment. The estimated volume of clean overburden is 90,680 cubic yards. The estimated volume of PCS to be removed and treated is 120,906 cubic yards. Using attachment 4, the calculated lineal feet of side wall for the excavation is approximately 2550 lineal feet.

The planned excavation is of a much larger scale than originally anticipated in the approved work plan which focused on small areas along the pipeline and associated structures. These changes in scale require changes to the frequency of screening sampling and laboratory analysis in order to make excavation and treatment possible.

1. The currently approved plan requires the screening un-impacted overburden every 25 yards using an organic vapor analyzer (OVA) or photoionization detector (PID). The modification requests increasing this interval to every 500 yards. Based upon the estimated volume, up to 182 samples could be analyzed for hydrocarbons using a PID or OVA.
2. The currently approved plan requires confirmation field screening (using ultraviolet fluorescence) is required every 50 yards. The modification requests increasing this interval to every 2000 yards. Based upon the estimated volume, up to 46 samples could be analyzed for hydrocarbons using the SiteLab® technique and equipment.
3. Once stockpiled, the un-impacted overburden will be sampled every 3500 cubic yards instead of the current interval of 200 yards. Based upon the estimated volume, up to 26 samples could be submitted for laboratory analysis.
4. Excavation confirmation sidewall sampling will be done every 50 lineal feet of sidewall instead of every 18 feet. Based upon the size of the anticipated excavation up to 51 soil samples will be collected for confirmation laboratory analysis.

A direct comparison of these changes are illustrated in the modified version of **Table 4-1** (Excavation Sampling Quantities and Analysis) from the Approved work plan. The changes are illustrated with a strikethrough of the current quantities and the new quantities are underlined.

(From the approved work plan)

Table 4-1

Excavation Sampling Quantities and Analysis

SS-61 Soil Remediation
Voluntary Corrective Measures Work Plan
Holloman AFB, New Mexico
Bhate Project No. 9050361.01.02

Sample Type	Contamination Profile	Purpose	Frequency	Estimated Quantity	Method/ Analyses	Requested Analyses Time
Overburden	Un-impacted Soils	Initial Field Screening	Every 500 cu yds	~~20~~ 182	OVA / VOCs	Real Time
		Field Confirmatory	Every **2000** cu yds	~~10~~ 46	UVF / TPH	
Stock Pile (Overburden)	Un-impacted Soils	Backfill Characterization (Lab validation)	Every **3500** cu yds	~~3~~ 26	Laboratory/ TPH, VOCs, and SVOCs	24 hours
Excavation Confirmation	Clean wall denoting extent of excavation	Closure	2 every **50** ln ft, at mid-depth within contamination zone, minimum of 1 per side wall if < 18 ln ft	~~44~~ 51	Laboratory/ TPH, VOCs, and SVOCs	7 days

Notes:
cu yds = Cubic yards
ln ft = Linear feet
TPH = Total Petroleum Hydrocarbons
VOCs = Volatile organic compounds
SVOCs = Semi-volatile organic compounds
UVF = Ultraviolet fluorometer
OVA = Organic Vapor Analyzer

3.0 JUSTIFICATIONS FOR CHANGES IN THE INTERVAL

The excavation at the pipeline T-junction (which was a mechanical fitting) and the 2008 soil boring investigation to determine the depth of PCS below the present water table revealed a substantially greater volume and distribution of PCS. When the existing work plan for the site was approved the goal was to excavate PCS from isolated areas in the immediate proximity of the pipeline. The excavations anticipated in the approved work plan were thought to be small, isolated and limited to the proximity of the pipeline. This model of excavation was based upon numerous rounds of investigation in which soil borings and monitoring wells terminated in the upper portion of the present water table. However, the excavation at the T-junction in the pipeline north of Building 1072 and the 2008 deep soil boring investigation (**VCM Addendum Letter Report, North Wind, 2009)** performed to assess the extent of PCS provide a more accurate delineation of PCS.

The changes to the frequency and distribution of confirmation samples, screening samples and overburden samples are similar to those currently applied at sites like the T-38 Test Cell Spill site (SS-59) and the Jet Fuel spill site at the POL Yard (SS-02/05). At these locations, large scale excavations, land farm treatment and exposed sidewalls provide absolute and sure remediation of PCS with both direct visual observation and laboratory analysis.

LIST OF ATTACHMENTS

Attachment 1 Figure 6-2, Areal extent of PCS at the T-junction Source Area (from the VCM Addendum Letter Report, (North Wind, 2009)

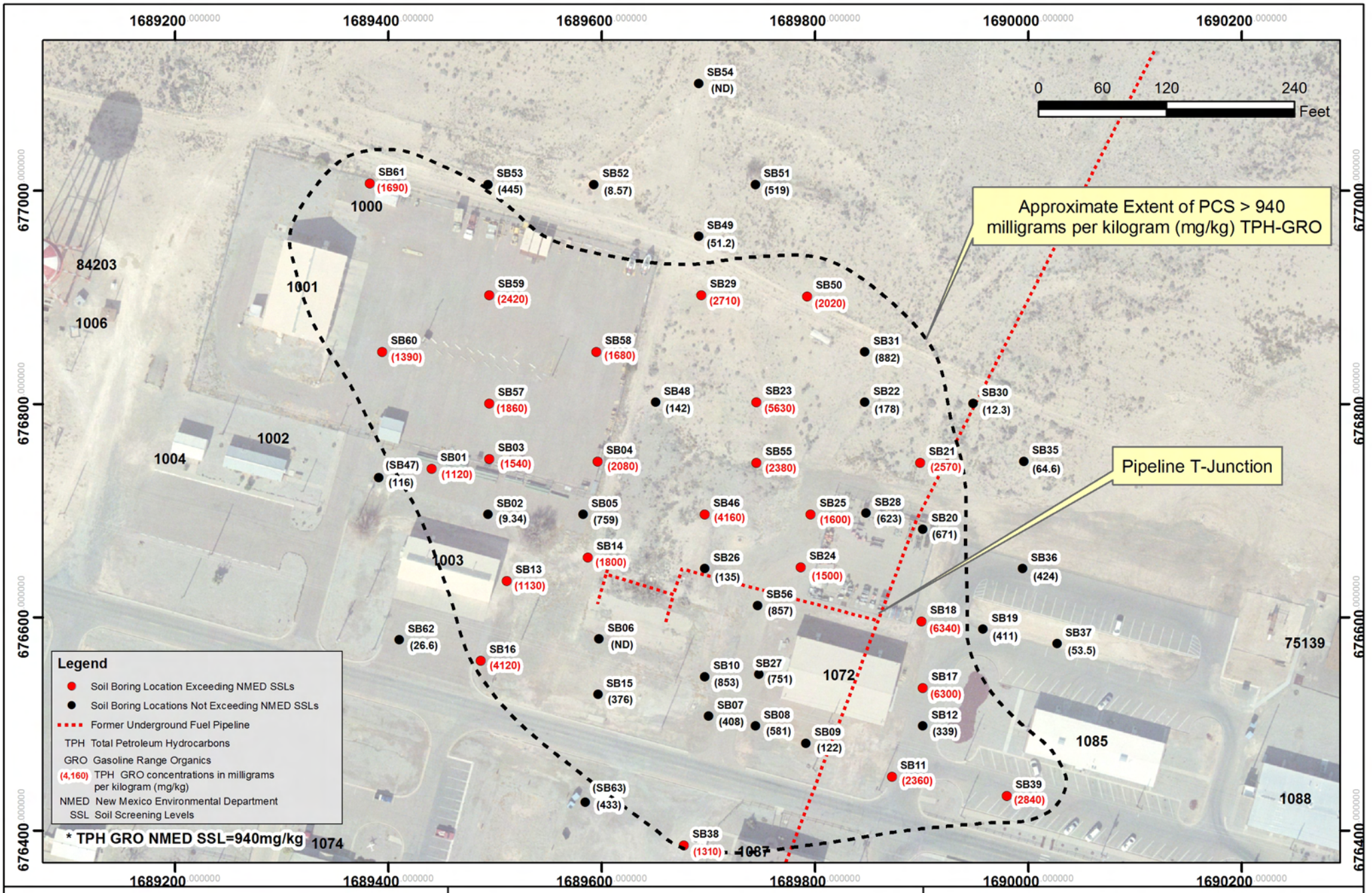
Attachment 2 Figure 6-3, Pipeline T-junction PCS Source Area Cross Section A-A' (from the VCM Addendum Letter Report, (North Wind, 2009)

Attachment 3 Figure 6-4, Pipeline T-junction PCS Source Area Cross Section B-B' (from the VCM Addendum Letter Report, (North Wind, 2009)

Attachment 4 Figure 6-6, Areal extent of PCS at the Pipeline Vault Source Area (from the VCM Addendum Letter Report, (North Wind, 2009)

Attachment 5 Figure 6-7, Pipeline Vault PCS Source Area Cross Section C-C' (from the VCM Addendum Letter Report, (North Wind, 2009)

Attachment 6 **Modified** Figure 6-2 (from the VCM Addendum Letter Report, (North Wind, 2009), indicating the planned PCS excavation Area and estimated volumes of PCS and overburden.



bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

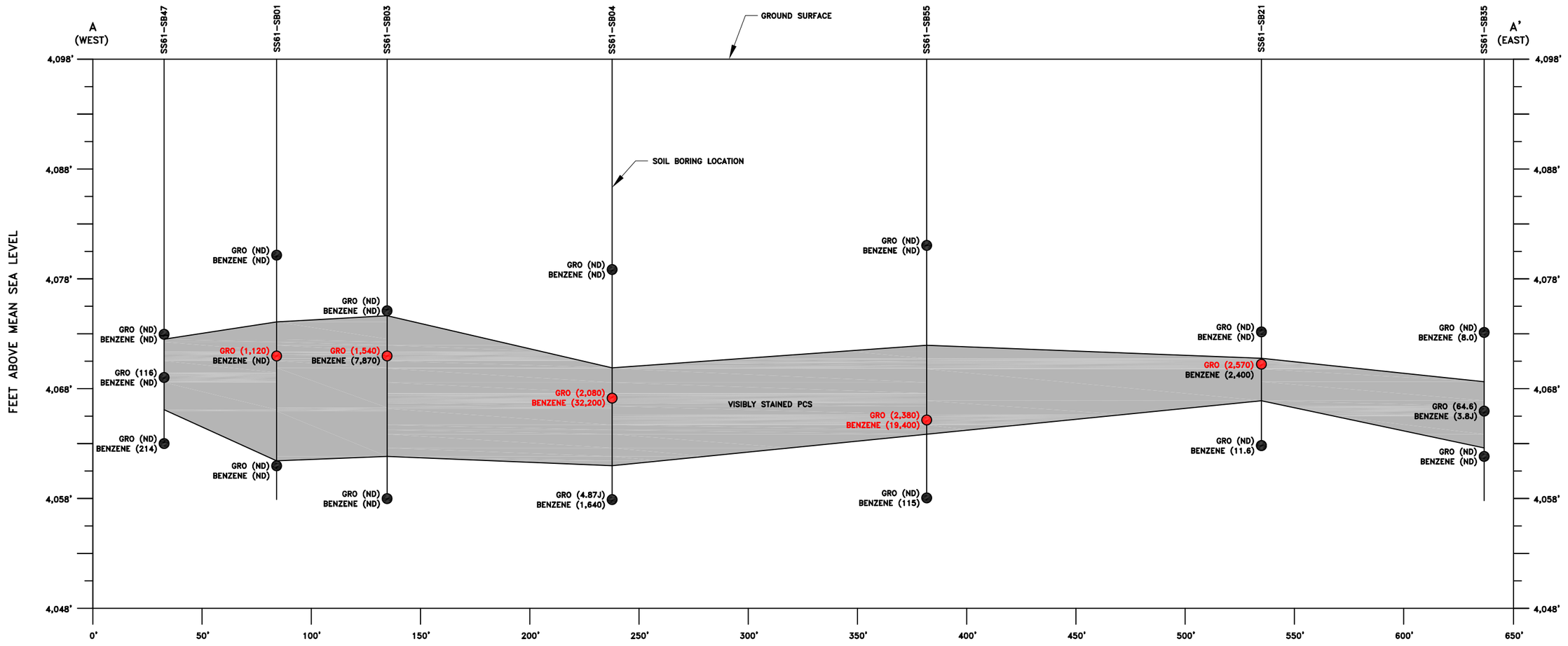
Areal Extent of the PCS Horizon Pipeline T-Junction Source Area

PROJECT NO.	SCALE	DATE	DRAWN BY:
9080130	1"=120'	12/22/08	cm

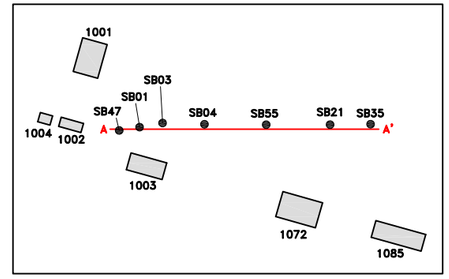
DRAWING NO: Figure 6-2

Voluntary Corrective Measures
Addendum Letter Report
Site SS-61
Holloman AFB, New Mexico

Figure 6-2



CROSS SECTION A–A'



CROSS SECTION A–A' DETAIL
NOT TO SCALE

LEGEND:

●	SOIL SAMPLE LOCATION (RESULTS BELOW NMED SSL AND/OR TPH SCREENING GUIDELINES)
●	SOIL SAMPLE LOCATION (RESULTS EXCEED NMED SSL AND/OR TPH SCREENING GUIDELINES)
GRO	GASOLINE RANGE ORGANICS CONCENTRATION IN SOIL REPORTED IN MILLIGRAMS PER KILOGRAM (mg/kg)
BENZENE	BENZENE CONCENTRATION IN SOIL REPORTED IN MICROGRAMS PER KILOGRAM (µg/kg)
PCS	PETROLEUM CONTAMINATED SOIL
SSL	SOIL SCREENING LEVEL
V	VERTICAL
H	HORIZONTAL
(3.8J)	ESTIMATED VALUE
(ND)	NOT DETECTED
NMED	MEW MEXICO ENVIRONMENT DEPARTMENT
	NMED TPH SCREENING GUIDELINE = 940 mg/kg
	NMED SSL FOR BENZENE = 10,300 µg/kg

bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

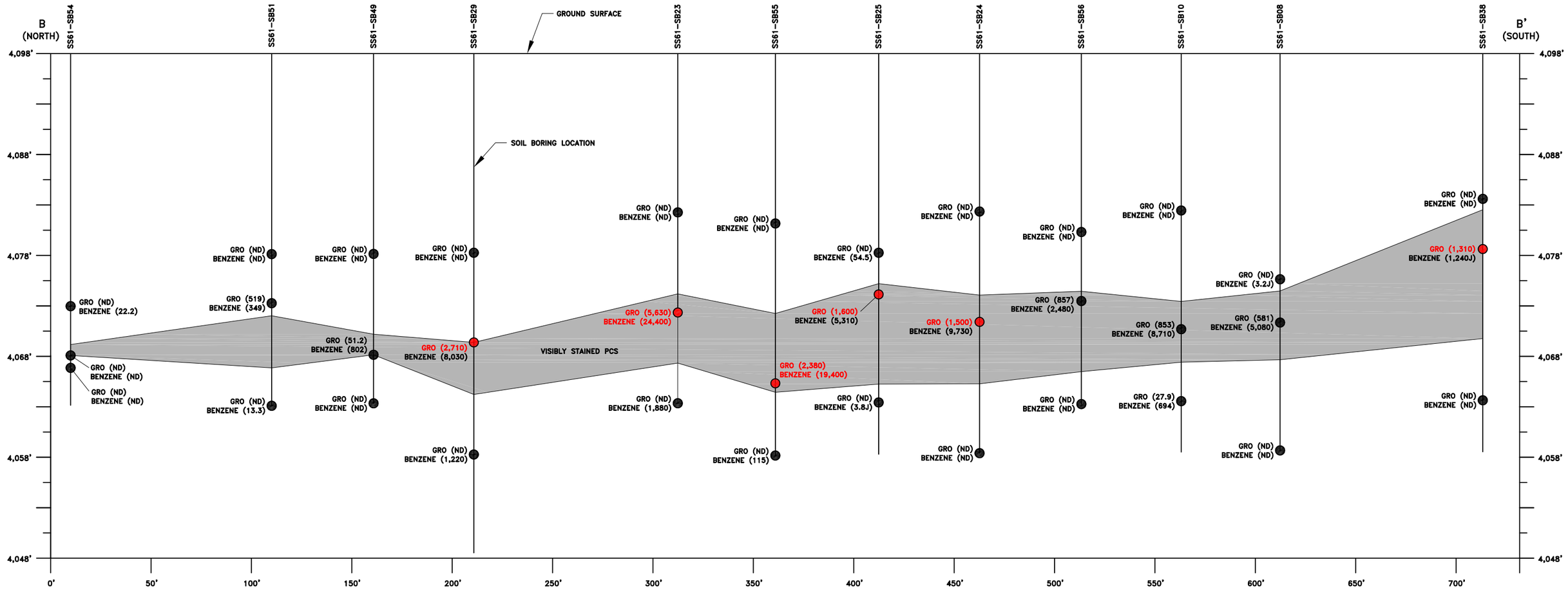
PIPELINE T–JUNCTION PCS SOURCE AREA
CROSS SECTION A–A'

PROJECT NO.	SCALE	DATE	DRAWN BY:	CHECKED BY:
9080130	V: 1"=10' H: 1"=50'	4/20/09	MRM	DM

DRAWING NO: Figure 6–3

Voluntary Corrective Measures
Addendum Letter Report
Site SS–61
Holloman AFB, New Mexico

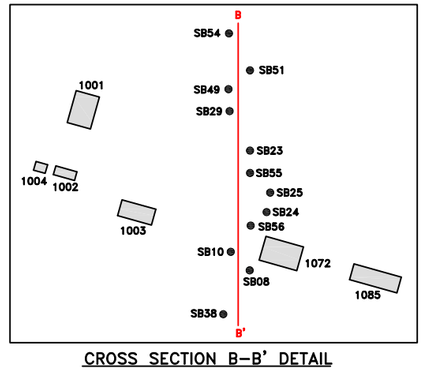
Figure 6–3



CROSS SECTION B–B'

LEGEND:

●	SOIL SAMPLE LOCATION (RESULTS BELOW NMED SSL AND/OR TPH SCREENING GUIDELINES)
●	SOIL SAMPLE LOCATION (RESULTS EXCEED NMED SSL AND/OR TPH SCREENING GUIDELINES)
GRO	GASOLINE RANGE ORGANICS CONCENTRATION IN SOIL REPORTED IN MILLIGRAMS PER KILOGRAM (mg/kg)
BENZENE	BENZENE CONCENTRATION IN SOIL REPORTED IN MICROGRAMS PER KILOGRAM (µg/kg)
PCS	PETROLEUM CONTAMINATED SOIL
SSL	SOIL SCREENING LEVEL
V	VERTICAL
H	HORIZONTAL
(3.2J)	ESTIMATED VALUE
(ND)	NOT DETECTED
NMED	MEW MEXICO ENVIRONMENT DEPARTMENT
	NMED TPH SCREENING GUIDELINE = 940 mg/kg
	NMED SSL FOR BENZENE = 10,300 µg/kg



CROSS SECTION B–B' DETAIL
NOT TO SCALE

bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

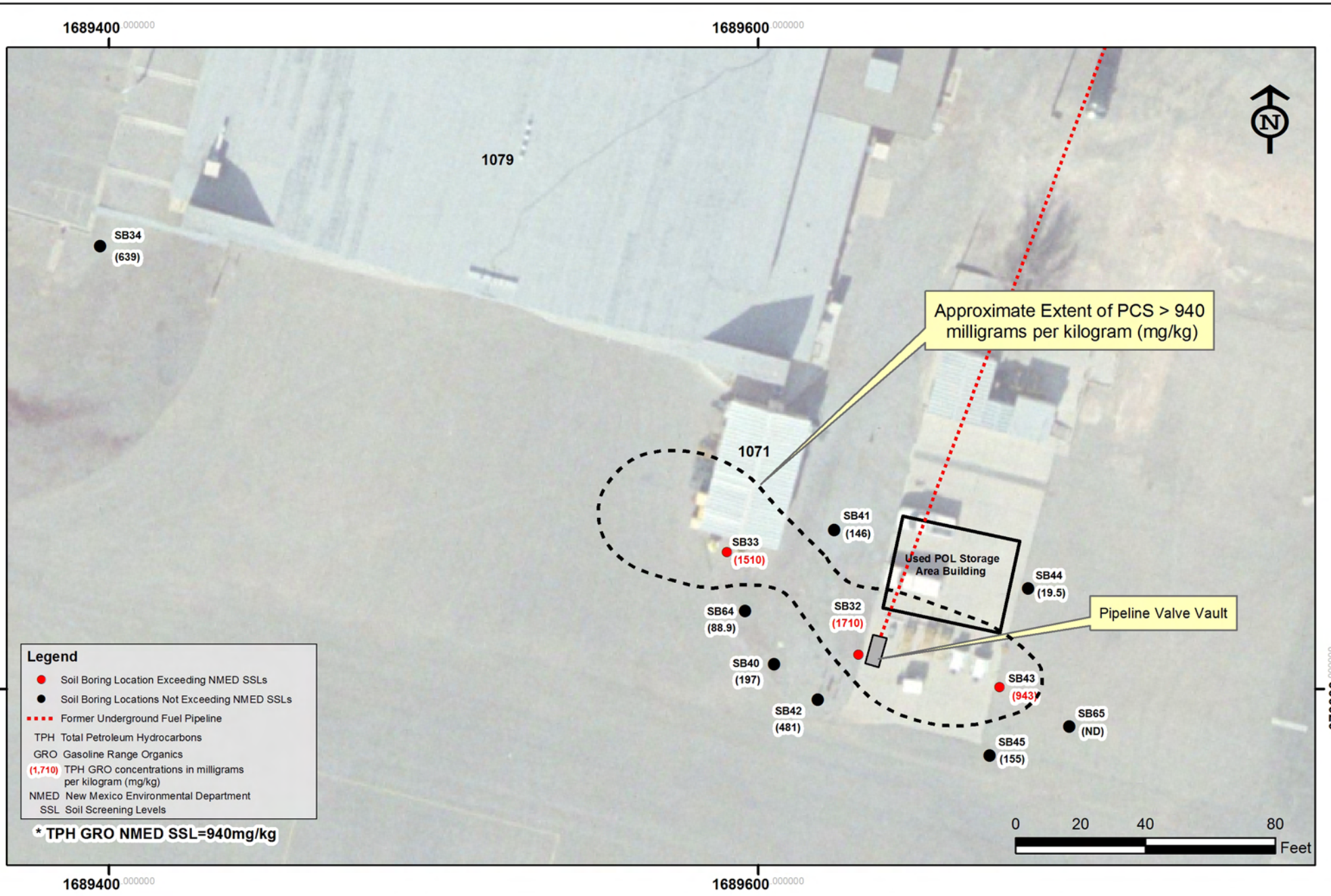
PIPELINE T–JUNCTION PCS SOURCE AREA
CROSS SECTION B–B'

PROJECT NO.	SCALE	DATE	DRAWN BY:	CHECKED BY:
9080130	V: 1"=10' H: 1"=50'	4/20/09	MRM	DM

DRAWING NO: Figure 6–4

Voluntary Corrective Measures
Addendum Letter Report
Site SS–61
Holloman AFB, New Mexico

Figure 6–4



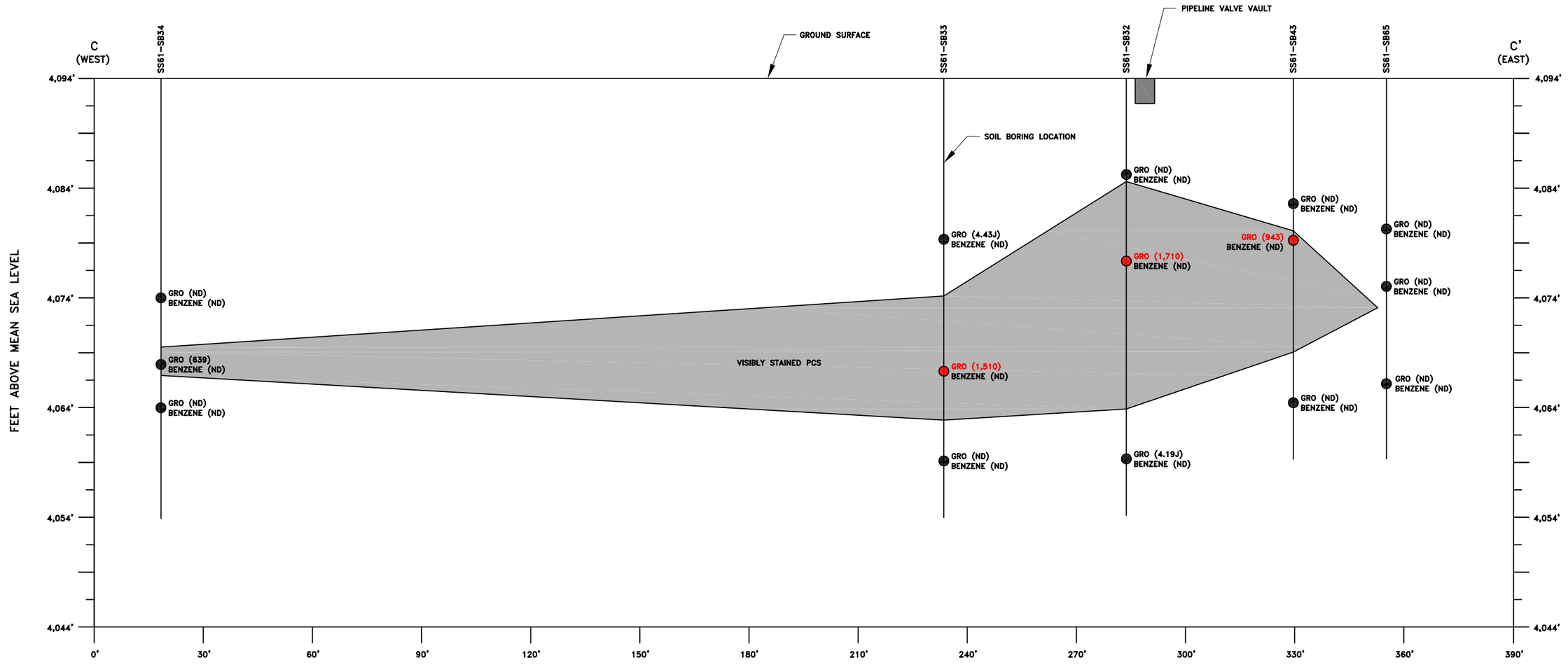
bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

Areal Extent of the PCS Horizon Pipeline Valve Vault Source Area

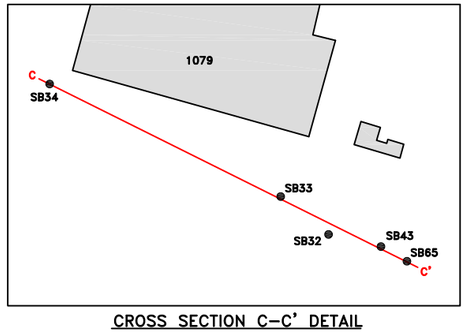
PROJECT NO.	SCALE	DATE	DRAWN BY:
9080130	1"=40'	12/22/08	cm
			DRAWING NO: Figure 6-6

Voluntary Corrective Measures
Addendum Letter Report
Site SS-61
Holloman AFB, New Mexico

Figure 6-6



CROSS SECTION C–C'



CROSS SECTION C–C' DETAIL
NOT TO SCALE

LEGEND:

●	SOIL SAMPLE LOCATION (RESULTS BELOW NMED SSL AND/OR TPH SCREENING GUIDELINES)
●	SOIL SAMPLE LOCATION (RESULTS EXCEED NMED SSL AND/OR TPH SCREENING GUIDELINES)
GRO	GASOLINE RANGE ORGANICS CONCENTRATION IN SOIL REPORTED IN MILLIGRAMS PER KILOGRAM (mg/kg)
BENZENE	BENZENE CONCENTRATION IN SOIL REPORTED IN MICROGRAMS PER KILOGRAM (µg/kg)
PCS	PETROLEUM CONTAMINATED SOIL
SSL	SOIL SCREENING LEVEL
V	VERTICAL
H	HORIZONTAL
(4.43J)	ESTIMATED VALUE
(ND)	NOT DETECTED
NMED	MEW MEXICO ENVIRONMENT DEPARTMENT
	NMED TPH SCREENING GUIDELINE = 940 mg/kg
	NMED SSL FOR BENZENE = 10,300 µg/kg

bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

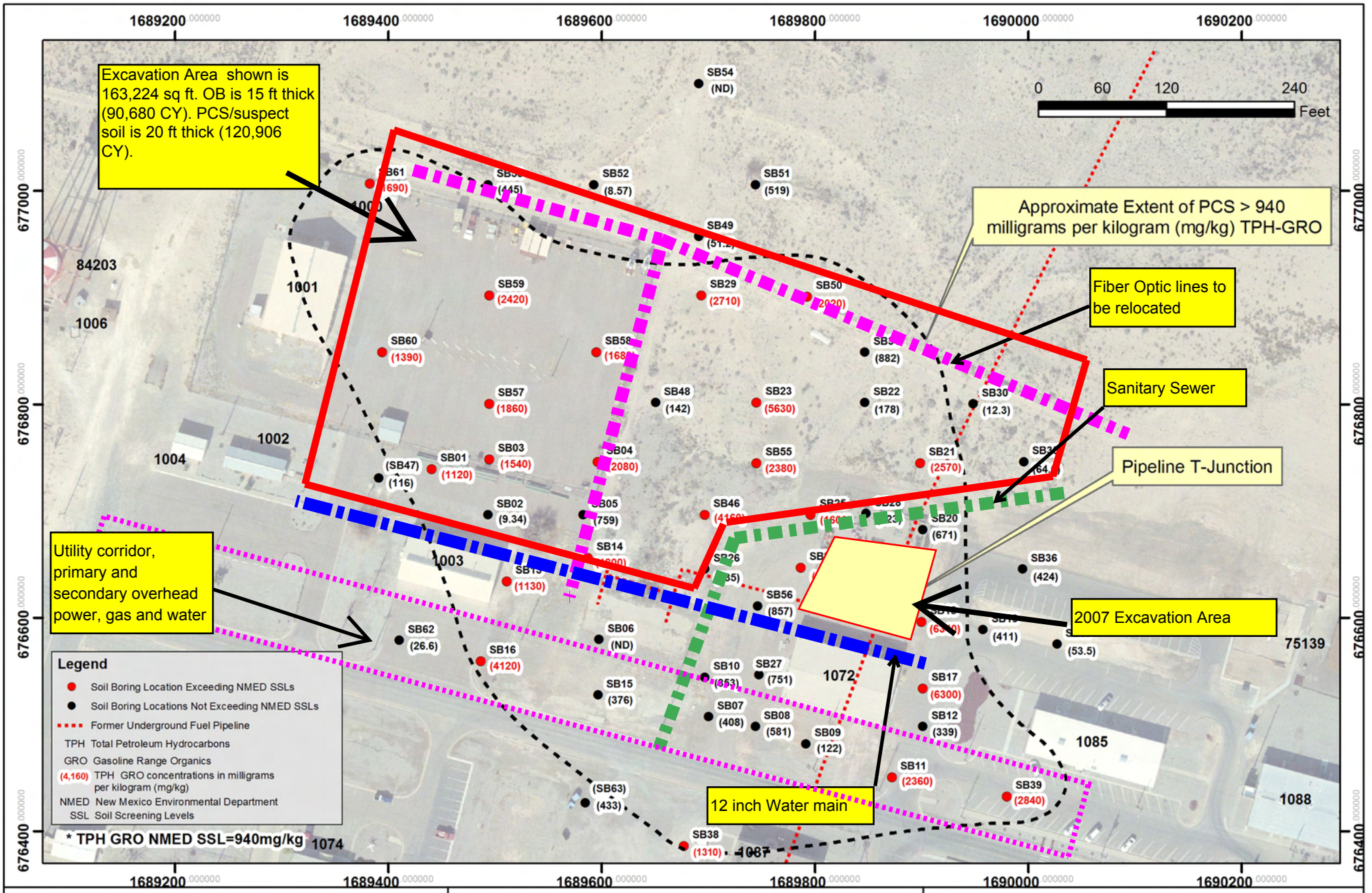
PIPELINE VALVE VAULT PCS SOURCE AREA
CROSS SECTION C–C'

PROJECT NO.	SCALE	DATE	DRAWN BY:	CHECKED BY:
9080130	V: 1"=10' H: 1"=30'	4/20/09	MRM	DM

DRAWING NO: Figure 6–7

Voluntary Corrective Measures
Addendum Letter Report
Site SS–61
Holloman AFB, New Mexico

Figure 6–7



bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

Areal Extent of the PCS Horizon Pipeline T-Junction Source Area

PROJECT NO.	SCALE	DATE	DRAWN BY:
9080130	1"=120'	12/22/08	cm

DRAWING NO: Figure 6-2

Voluntary Corrective Measures
Addendum Letter Report
Site SS-61
Holloman AFB, New Mexico

Figure 6-2

BILL RICHARDSON
Governor

DIANE DENISH
Lieutenant Governor

NEW MEXICO
ENVIRONMENT DEPARTMENT

Hazardous Waste Bureau

2905 Rodeo Park Drive East, Building 1
Santa Fe, New Mexico 87505-6303
Phone (505) 476-6000 Fax (505) 476-6030
www.nmenv.state.nm.us

RON CURRY
Secretary

JON GOLDSTEIN
Deputy Secretary

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

September 2, 2009

Mr. David Scruggs, Chief
Environmental Restoration Program
49 CES/CEVR
550 Tabosa Ave.
Holloman AFB, NM 88330-8458

09-03-2009 A09:32

SUBJECT: NOTICE OF CONDITIONAL APPROVAL: REVISION TO EXISTING APPROVED VOLUNTARY CORRECTIVE MEASURES WORK PLAN FOR SOIL REMEDIATION AT SITE SS-61, JULY 18, 2009 HOLLOMAN AIR FORCE BASE, NM6572124422 HAFB-05-007 AND HAFB-05-008

Dear Mr. Scruggs:

The New Mexico Environment Department (NMED) has reviewed the above referenced document, which was submitted for approval of revisions to the proposed excavation sampling quantities and analysis for expanded soil excavation activities at the T-line junction source area at site SS-61 (AOC 1001). The NMED hereby approves the revision with the following condition:

- Confirmation sampling of the bottom soils of the excavation shall occur on a 100 foot grid pattern with the same analytes as the proposed sidewall confirmation sampling.

If you have any questions regarding this conditional approval, please contact David Strasser of my staff at (505) 222-9526, or at the above address.

Sincerely,

James P. Bearzi
Chief
Hazardous Waste Bureau

cc: J. Kieling, NMED HWB
W. Moats, NMED HWB
C. Amindyas, NMED HWB
D. Strasser, NMED HWB
L. King, EPA, Region 6 (6PD-F)
File: HAFB 2009 and Reading
HWB-HAFB-05-007 and HAFB-05-008

ATTACHMENT B

Table 2 Bench Test Results – Technology Evaluation Testing, Site SS-61, Holloman AFB, NM

(Norfolk·Ram Group, May 2010)

Table 2
Bench Test Results - Technology Evaluation Testing
Site SS-61, Holloman AFB, NM
Norfolk Project No. 1349.1.1

Remedial Additive / Sample ID	Petroleum Hydrocarbons												Volatile Organic Compounds																								Peroxide				Persulfate				pH			
	C_6-C_{10} GRO				C_{10}-C_{28} DRO				C_{28}-C_{40} ORO				Benzene				Ethylbenzene				Isopropylbenzene				Toluene				Trimethylbenzene				Xylene																
	(ppm)				(ppm)				(ppm)				(ppm)				(ppm)				(ppm)				(ppm)				(ppm)				(ppm)				(ppm)				(ppm)				(SU)			
	Interval #0 - t=0 days	Interval #1 - t=7 days*	Interval #2 - t=14 days	Interval #3 - t=21 days	Interval #0 - t=0 days*	Interval #1 - t=7 days	Interval #2 - t=14 days	Interval #3 - t=21 days	Interval #0 - t=0 days*	Interval #1 - t=7 days	Interval #2 - t=14 days	Interval #3 - t=21 days	Interval #0 - t=0 days*	Interval #1 - t=7 days	Interval #2 - t=14 days	Interval #3 - t=21 days	Interval #0 - t=0 days*	Interval #1 - t=7 days	Interval #2 - t=14 days	Interval #3 - t=21 days	Interval #0 - t=0 days*	Interval #1 - t=7 days	Interval #2 - t=14 days	Interval #3 - t=21 days	Interval #0 - t=0 days*	Interval #1 - t=7 days	Interval #2 - t=14 days	Interval #3 - t=21 days	Interval #0 - t=0 days*	Interval #1 - t=7 days	Interval #2 - t=14 days	Interval #3 - t=21 days	Interval #0 - t=0 days*	Interval #1 - t=7 days	Interval #2 - t=14 days	Interval #3 - t=21 days	Interval #0 - t=0 days*	Interval #1 - t=7 days	Interval #2 - t=14 days	Interval #3 - t=21 days	Interval #0 - t=0 days*	Interval #1 - t=7 days	Interval #2 - t=14 days	Interval #3 - t=21 days
Technology Evaluation Test / Dosage Testing -Aqueous Results																																															
Klozur CR (7,500 ppm)	14	6.4	6.1	4.6	2.4	1.8	1.2	0.98	<0.65	<0.53	<0.63	<0.53	2.1	0.085	0.082	0.07	0.058	0.069	0.061	0.037	0.24	0.44	0.43	0.23	0.028	0.017	0.017	0.011	0.051	0.099	0.073	0.045	0.14	0.14	0.13	0.07	<0.5	500	100	<0.50	3,750	820	1,900	750	7.1	9.1	8.2	11
Klozur CR (7,500 ppm) Duplicate	14	6.8	5.6	-	2.4	2.2	1.2	-	<0.65	<0.625	<0.52	-	2.1	0.11	0.088	-	0.058	0.085	0.063	-	0.24	0.53	0.40	-	0.028	0.015	0.018	-	0.051	0.124	0.068	-	0.14	0.14	0.13	-	<0.5	500	100	-	3,750	850	1,900	-	7.1	8.8	8.2	-
Klozur CR (20,000 ppm)	14	4.4	4.7	2.4	2.4	1.2	0.75	0.39	<0.65	<0.625	<0.56	<0.53	2.1	0.029	0.024	0.012	0.058	0.051	0.051	0.015	0.24	0.37	0.39	0.14	0.028	0.008	0.012	0.003	0.051	0.076	0.065	0.029	0.14	0.084	0.10	0.03	<0.5	10	<0.5	2	10,000	180	<50	<50	7.1	11.7	12.0	11
Klozur CR (20,000 ppm) Duplicate	14	5.5	3.8	-	2.4	1.5	0.57	-	<0.65	<0.71	<0.64	-	2.1	0.033	0.028	-	0.058	0.058	0.036	-	0.24	0.44	0.27	-	0.028	0.013	0.023	-	0.051	0.106	0.042	-	0.14	0.11	0.087	-	<0.5	10	<0.5	-	10,000	150	<50	-	7.1	11.7	12.0	-
Persulfate (10,000 ppm) and NaOH (8,000 ppm)	14	9.9	7.5	4.8	2.4	2.2	1.6	0.62	<0.65	<0.67	<0.63	<0.56	2.1	0.17	0.098	0.008	0.058	0.11	0.056	0.019	0.24	0.62	0.41	0.17	0.028	0.052	0.035	0.005	0.051	0.163	0.066	0.035	0.14	0.13	0.13	0.045	<0.5	-	-		10,000	4,700	4,900	3,800	7.1	9.6	9.1	11
Persulfate (10,000 ppm) and NaOH (8,000 ppm) Duplicate	14	9.2	6.4	-	2.4	2.2	1.2	-	<0.65	<0.71	<0.51	-	2.1	0.13	0.076	-	0.058	0.08	0.052	-	0.24	0.56	0.40	-	0.028	0.03	0.014	-	0.051	0.133	0.060	-	0.14	0.16	0.093	-	<0.5	-	-	-	10,000	4,400	5,400	-	7.1	9.7	8.6	-
Persulfate (10,000 ppm) and Fe-EDTA (1,200 ppm)	14	10	9.5	5	2.4	3.8	2.4	1.9	<0.65	<0.71	<0.71	<0.56	2.1	0.28	<0.001	0.16	0.058	0.13	0.12	0.046	0.24	0.71	1.1	0.27	0.028	0.057	0.050	0.03	0.051	0.165	0.061	0.046	0.14	0.26	0.22	0.096	<0.5	-	-		10,000	6,300	5,000	6,300	7.1	6.6	6.8	7
Persulfate (10,000 ppm) and Fe-EDTA (1,200 ppm) Duplicate	14	11	7.0	-	2.4	4.5	2.6	-	<0.65	<0.59	<0.67	-	2.1	0.32	0.20	-	0.058	0.15	0.072	-	0.24	0.75	0.65	-	0.028	0.063	0.045	-	0.051	0.173	0.038	-	0.14	0.27	0.17	-	<0.5	-	-	-	10,000	6,600	5,900	-	7.1	6.5	6.8	-
Persulfate (10,000 ppm)	14	7.6	6.6	4.8	2.4	3.2	2.5	2	<0.65	<0.71	<0.63	<0.56	2.1	0.27	0.27	0.17	0.058	0.094	0.076	0.049	0.24	0.54	0.68	0.29	0.028	0.042	0.047	0.27	0.051	0.107	0.042	0.053	0.14	0.19	0.17	0.11	<0.5	-	-		10,000	6,000	8,500	4,800	7.1	6.6	7.0	7.1
Persulfate (10,000 ppm) Duplicate	14	9.3	6.6	-	2.4	3.0	2.2	-	<0.65	<0.59	<0.67	-	2.1	0.29	0.25	-	0.058	0.12	0.073	-	0.24	0.63	0.60	-	0.028	0.063	0.032	-	0.051	0.148	0.036	-	0.14	0.26	0.13	-	<0.5	-	-	-	10,000	5,300	7,600	-	7.1	6.6	7.8	-
Control (unajusted pH)	14	4.4	4.4	3.3	2.4	2.1	1.7	1	<0.65	<0.67	<0.67	<0.56	2.1	0.082	0.13	0.042	0.058	0.009	<0.001	<0.001	0.24	0.17	0.01	0.004	0.028	0.008	0.008	0.002	0.051	0.033	0.034	0.024	0.14	0.055	0.19	0.075	<0.5	<0.5	-	-	<50	<50	-	-	7.1	7.4	7.5	7.6
Control (unajusted pH) Duplicate	14	3.8	4.8	-	2.4	2.0	1.5	-	<0.65	<0.71	<0.63	-	2.1	0.056	0.092	-	0.058	0.002	<0.001	-	0.24	0.083	0.015	-	0.028	0.003	0.003	-	0.051	0.021	0.036	-	0.14	0.035	0.14	-	<0.5	<0.5	-	-	<50	<50	-	-	7.1	7.3	7.5	-
Control (alkaline pH)	14	7.7	4.8	3.3	2.4	1.3	1.3	1.1	<0.65	<0.71	<0.68	<0.67	2.1	0.24	0.13	0.92	0.058	0.10	0.056	0.39	0.24	0.98	0.32	0.3	0.028	0.041	0.023	0.016	0.051	0.123	0.103	0.039	0.14	0.28	0.15	0.1	-	-	-	-	-	-	-	-	7.1	11.4	11	11
Control (alkaline pH) Duplicate	14	6.8	4.5	-	2.4	1.4	1.5	-	<0.65	<0.74	<0.66	-	2.1	0.18	0.13	-	0.058	0.083	0.047	-	0.24	0.78	0.29	-	0.028	0.029	0.020	-	0.051	0.093	0.086	-	0.14	0.21	0.13	-	-	-	-	-	-	-	-	-	7.1	11.4	11	-
Technology Evaluation Test / Dosage Testing -Soil Results																																															
Klozur CR (7,500 ppm)	410	66	80	170	22	20	11	6.8	<29	<29	<27	<29	0.6	<0.09	<0.08	<0.09	1.7	<0.09	0.13	<0.09	13	0.34	1.9	1.3	0.14	<0.09	<0.08	<0.09	2.68	<0.18	0.34	0.12	1.7	<0.09	0.32	<0.09	-	-	-		-	-	-		8.5	-	-	
Klozur CR (7,500 ppm) Duplicate	410	55	75	-	22	120	6	-	<29	<29	<25	-	0.6	<0.09	<0.07	-	1.7	<0.09	0.07	-	13	0.52	1.5	-	0.14	<0.09	<0.07	-	2.68	<0.18	0.21	-	1.7	<0.09	0.18	-	-	-	-	-	-	-	-	-	8.5	-	-	-
Klozur CR (20,000 ppm)	410	52	130	290	22	17	20	7.9	<29	<30	<27	<30	0.6	<0.10	<0.09	<0.10	1.7	<0.10	0.11	<0.10	13	0.42	2.8	0.31	0.14	<0.10	<0.09	<0.10	2.68	<0.20	0.35	<0.10	1.7	<0.10	0.16	<0.10	-	-	-	-	-	-	-	-	8.5	-	-	-
Klozur CR (20,000 ppm) Duplicate	410	310	180	-	22	21	12	-	<29	<29	<26	-	0.6	<0.09	<0.08	-	1.7	0.15	0.47	-	13	2.3	8.5	-	0.14	<0.09	0.08	-	2.68	0.41	1.79	-	1.7	0.28	1.5	-	-	-	-	-	-	-	-	-	8.5	-	-	-
Persulfate (10,000 ppm) and NaOH (8,000 ppm)	410	180	250	71	22	21	29	14	<29	<29	<29	<30	0.6	<0.09	<0.09	<0.09	1.7	<0.09	0.68	<0.09	13	1.0	9.7	0.12	0.14	<0.09	0.09	<0.09	2.68	0.1	1.67	<0.09	1.7	<0.09	1.4	<0.09	-	-	-	-	-	-	-	-	8.5	-	-	-
Persulfate (10,000 ppm) and NaOH (8,000 ppm) Duplicate	410	91	180	-	22	27	30	-	<29	<29	<28	-	0.6	<0.09	<0.09	-	1.7	<0.09	0.23	-	13	1.0	4.4	-	0.14	<0.09	<0.09	-	2.68	0.1	0.54	-	1.7	<0.09	0.42	-	-	-	-	-	-	-	-	-	8.5	-	-	-
Persulfate (10,000 ppm) and Fe-EDTA (1,200 ppm)	410	62	78	57	22	11	12	7.7	<29	<30	<27	<30	0.6	<0.10	0.1	<0.10	1.7	0.15	0.14	<0.10	13	2.4	2.3	0.39	0.14	<0.10	<0.09	<0.10	2.68	0.26	0.23	<0.10	1.7	0.20	0.26	<0.10	-	-	-	-	-	-	-	-	8.5	-	-	-
Persulfate (10,000 ppm) and Fe-EDTA (1,200 ppm) Duplicate	410	160	60	-	22	12	10	-	<29	<29	<26	-	0.6	<0.10	<0.08	-	1.7	0.13	0.1	-	13	2.2	1.7	-	0.14	<0.10	<0.08	-	2.68	0.38	0.26	-	1.7	0.14	0.25	-	-	-	-	-	-	-	-	-	8.5	-	-	-
Persulfate (10,000 ppm)	410	51	43	73	22	10	5	10	<29	<30	<25	<30	0.6	<0.10	<0.07	<0.10	1.7	<0.10	<0.07	<0.10	13	0.33	0.64	0.25	0.14	<0.10	<0.07	<0.10	2.68	<0.20	<0.14	<0.10	1.7	<0.10	<0.07	<0.10	-	-	-	-	-	-	-	-	8.5	-	-	-
Persulfate (10,000 ppm) Duplicate	410	120	46	-	22	11	42	-	<29	<29	27	-	0.6	<0.09	<0.08	-	1.7	<0.09	0.08	-	13	1.1	1.1	-	0.14	<0.09	<0.08	-	2.68	0.11	0.11	-	1.7	0.13	0.08	-	-	-	-	-	-	-	-	-	8.5	-	-	-
Control (unajusted pH)	410	62	540	26	22	<6	9	<6.2	<29	<29	<27	<30	0.6	<0.09	0.13	<0.10	1.7	<0.09	2.4	<0.10	13	0.40	28	<0.10	0.14	<0.09	0.32	<0.10	2.68	<0.18	3.1	<0.10	1.7	<0.09	3.9	<0.10	-	-	-	-	-	-	-	-	8.5	-	-	-
Control (unajusted pH) Duplicate	410	41	81	-	22	6	9	-	<29	<29	<28	-	0.6	<0.09	<0.09	-	1.7	<0.09	0.09	-	13	0.10	1.5	-	0.14	<0.09	<0.09	-	2.68	<0.18	0.2	-	1.7	<0.09	0.13	-	-	-	-	-	-	-	-	-	8.5	-	-	-
Control (alkaline pH)	410	110	55	53	22	8	11	11	<29	<30	<30	<27	0.6	<0.09	<0.09	<0.08	1.7	0.16	<0.09	<0.08	13	2.4	0.70	0.35	0.14	<0.09	<0.09	<0.08	2.68	0.41	0.11	0.08	1.7	0.44	<0.09	<0.08	-	-	-	-	-	-	-	-	8.5	-	-	-
Control (alkaline pH) Duplicate	410	81	58	-	22	8	13	-	<29	<30	<29	-	0.6	<0.10	<0.09	-	1.7	0.14	<0.09	-	13	1.8	0.88	-	0.14	<0.10	<0.09	-	2.68	0.24	0.11	-	1.7	0.23	<0.09	-	-	-	-	-	-	-	-	-	8.5	-	-	-

Notes:
Each batch bottle contained 1:1 water:soil ratio.
GRO/DRO/ORO analysis by EPA Method 8015 modified.
VOC analysis by EPA Method 8260B.
pH analyses by EPA Method 150.1.
Persulfate testing conducted using spectrophotometric method described by Huag et al. (Chemosphere 49).
Peroxide testing conducted using field test strips.
* Persulfate concentration of t=0 based upon calculation of amount applied rather than analysis. Concentrations of t=0 for other parameters based upon Initial Test Results (see Table 1).

ATTACHMENT C

Spreadsheets for Estimating the Distribution of Air Flow Through Slotted Screen, Version 6.0

(Bhate, February 2011)

Treatment Zone Alpha
Site Location: SITE SS-61
SUPPLEMENTAL VOLUNTARY CORRECTIVE
MEASURES WORK PLAN
FUEL SPILL SITE
HOLLOMAN AFB, NEW MEXICO

A SPREADSHEET FOR ESTIMATING THE DISTRIBUTION OF AIR FLOW THROUGH SLOTTED SCREEN VERSION 6.0

Variable Table

Descriptor	Value	Units	SI Values	SI Units
Depth to ground water	15	ft	4.572	m
Depth of screen	32	ft	9.7536	m
Length of screen	415	ft	126.492	m
Entry Casing Length	246	ft	74.9808	m
Atmospheric Temperature in degrees Celsius	20.00	C	293.15	k
Atmospheric Pressure (use STP unless high elev sites)	14.7	psia	101,354	Pa
Casing/Screen Material (select from pulldown)	HDPE			
Pipe Outside Diameter (OD)	0.333	ft	0.101	m
Pipe Inside Diameter (ID)	0.313	ft	0.095	m
Air Injection Rate per foot of screen (typical values are 0.5-1.0)	0.3	scfm/ft	0.0084951	m^3/min/ft
Design Overpressure (psi above submergence, typical values are 1-5 psi)	3	psi	20,684	Pa
Screen slot length (l_{slot})	1.6	in	0.0406	m
Screen slot width (w)	0.020	in	0.0005	m
Orifice/Slot Coefficient C_f (0.6-0.9)	0.75		0.75	

Well Material Calculations

Descriptor	Value	Units	SI Values	SI Units
Pipe ID Area	0.07694	ft^2	0.007148	m^2
Pipe Wall Thickness	0.0100	ft	0.003	m

Air Property and Air Flow Calculations

Descriptor	Value	Units	SI Values	SI Units
Suggested minimum air pressure after blower to meet design overpressure	25.078	psia	172,908	Pa
Air Temp After Blower (Deg C)	68.33	c	341.48	k
Total Air Injection Rate (=Injection rate x screen length)	124.5	scfm	3.525	m^3/min
Total Air Injection Rate	85.0	acfm	2.407	m^3/min
Fluid Velocity at TOC	18.41	ft/sec	5.6	m/s
Screen submergence	17	ft	5.182	m
Air Density at TOC after blower (r_{toc}) where r=P/RT and R_{air} = 287 J/(kg K)	0.003423	$slug/ft^3$	1.764	(kg/m^3)
Dynamic Air Viscosity (m)	4.25E-07	lb s/ft^2	2.00005E-05	(Ns/m^2)
Kinematic Air Viscosity (u)	1.85E-04	ft^2/sec		
Reynolds Number at TOC (Re=rVd/m)	46,430			
Casin Mach Number (Ma)	0.02			
Approximate residence time in casing (sec)	13.36	sec		

Casing Headloss Calculations (i.e., top of casing to start of screen)

Calculations based on the Moody Friction Factor (darcy) (f_D) from Haaland, 1983 in F.M. White 1999 on p. 348

$1/f^{1/2} = -1.8\log[6.9/Re_d+(e/d/3.7)^{1.11}]$ ---- this equation approximates the Moody Chart for pipe friction and is acceptable for turbulent flow (i.e Re > 4,000)

Pipe Roughness Factor (e)	0.00007	ft	
Pipe Relative Roughness (e/d)	0.000223642	ft/ft	
equation numerator	1		Fanning Friction Factor (f_f)
equation denominator	6.78808		0.00543
Moody Friction Factor (f_D)	0.02170		89.87677872 f_f is simply 1/4 of f_D
Casing Headloss from Darcy-Weisbach Equation: $H_l=(f_D*(L/D)*(V^2)/2g)$	89.88	ft of fluid	
	0.308	$slugs/ft^2$	2.204585538
	0.002	$slugs/in^2$	
	0.007	psi	
	9.898866859	psf	
New conversion	0.068742131	psi	

Screen Pressures and Density

Pressure outside screen	22.078	psia	$P = P_{atm}$ + .434*water above screen
Pressure inside pipe at start of screen	25.009	psia	
Pressure inside pipe at end of screen	24.967	psia	
Air density at start of screen	0.00341	slug/ft3	
Air density at end of screen	0.00340	slug/ft3	

Screen and Slotting Characteristics

slot area (A_{slot})	0.000222	ft^2	
Hydraulic Diameter (D_h=2LW/L+W)	0.0033	ft	This is the equivalent orifice diameter according to Chesy
Equivalent Diameter	0.0056	ft	This is the Equivalent orifice diameter according to ASHRAE
Screen Roughness Factor (e), assumed at 2x casing value?	0.00014	ft	
Screen Relative roughness (e/d)	0.000447284	ft/ft	

Inches to feet Conversion	
inches	feet
4	0.333

Pressure Conversion	
psi	Pa
0.00943	65
14.7	101353.6

Temperature Conversion	
Enter Degrees F	Degrees C
206	96.7
68.000	20.00

Roughness Factor Lookup Table	
Material	ft
Carbon Steel	0.00015
Fiberglass	0.000017
HDPE	0.00007
Highly Corroded Steel	0.013
Moderately Corroded Steel	0.005
Slightly Corroded Steel	0.0005
Stainless Steel	0.00005

Heat of Compression (outside temp/pressure to inside casing)

Assumes ideal diatomic gas under adiabatic compression with no loss of energy with system at a steady state

Atmospheric Temperature (T_1)	293.15	K
Atmospheric Pressure (P_1)	101,354	Pa
Pressure after blower (P_2)	172,908	Pa
Ratio of heat capacity for ideal gas (K)	1.40	dimensionless
equation exponent	0.286	
$T_2=T_1(P_2/P_1)^{(k-1/k)}$	341.48	Degrees K
Temperature downstream of blower (T_2)	68.33	Degrees C
Temperature downstream of blower (T_2)	155.00	Degrees F

Reynold Number Calcs		
Re	46,430	=rVd/m
Re_d	31,154	=Vd/u

Calculation of dynamic air viscosity at post blower temp

Temp c	m (Ns/m^2)	Method	m ($lb sec/ft^2$)
68.33264047	2.00005E-05	Power Law	4.18724E-07
68.33	2.0297E-05	Sutherland Law	4.24932E-07

Water Properties at 68 F

Water Density (r)	1.94E+00	$slug/ft^3$
Kinematic Water Viscosity (u)	1.08E-05	ft^2/sec
Dynamic Water Viscosity (m)	2.09E-05	lb sec/ft^2

Screen Volume

Volume	31.93	cu ft
Volume	238.85	gallons
PI	3.14	
Radius	0.1565	
screen length	415	feet

bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

Treatment Zone Bravo
Site Location: SITE SS-61
SUPPLEMENTAL VOLUNTARY CORRECTIVE
MEASURES WORK PLAN
FUEL SPILL SITE
HOLLOMAN AFB, NEW MEXICO

A SPREADSHEET FOR ESTIMATING THE DISTRIBUTION OF AIR FLOW THROUGH SLOTTED SCREEN VERSION 6.0

Variable Table

Descriptor	Value	Units	SI Values	SI Units
Depth to ground water	15	ft	4.572	m
Depth of screen	32	ft	9.7536	m
Length of screen	855	ft	260.604	m
Entry Casing Length	246	ft	74.9808	m
Atmospheric Temperature in degrees Celsius	20.00	C	293.15	k
Atmospheric Pressure (use STP unless high elev sites)	14.7	psia	101,354	Pa
Casing/Screen Material (select from pulldown)	HDPE			
Pipe Outside Diameter (OD)	0.333	ft	0.101	m
Pipe Inside Diameter (ID)	0.313	ft	0.095	m
Air Injection Rate per foot of screen (typical values are 0.5-1.0)	0.2	scfm/ft	0.0056634	m^3/min/ft
Design Overpressure (psi above submergence, typical values are 1-5 psi)	3	psi	20,684	Pa
Screen slot length (l_{slot})	1.6	in	0.0406	m
Screen slot width (w)	0.020	in	0.0005	m
Orifice/Slot Coefficient C_f (0.6-0.9)	0.75		0.75	

Well Material Calculations

Descriptor	Value	Units	SI Values	SI Units
Pipe ID Area	0.07694	ft^2	0.007148	m^2
Pipe Wall Thickness	0.0100	ft	0.003	m

Air Property and Air Flow Calculations

Descriptor	Value	Units	SI Values	SI Units
Suggested minimum air pressure after blower to meet design overpressure	25.078	psia	172,908	Pa
Air Temp After Blower (Deg C)	68.33	c	341.48	k
Total Air Injection Rate (=Injection rate x screen length)	171.0	scfm	4.842	m^3/min
Total Air Injection Rate	116.8	acfm	3.306	m^3/min
Fluid Velocity at TOC	25.29	ft/sec	7.7	m/s
Screen submergence	17	ft	5.182	m
Air Density at TOC after blower (r_{toc}) where r=P/RT and R_{air} = 287 J/(kg K)	0.003423	$slug/ft^3$	1.764	(kg/m^3)
Dynamic Air Viscosity (m)	4.25E-07	lb s/ft^2	2.00005E-05	(Ns/m^2)
Kinematic Air Viscosity (u)	1.85E-04	ft^2/sec		
Reynolds Number at TOC (Re=rVd/m)	63,772			
Casin Mach Number (Ma)	0.02			
Approximate residence time in casing (sec)	9.73	sec		

Casing Headloss Calculations (i.e., top of casing to start of screen)

Calculations based on the Moody Friction Factor (darcy) (f_D) from Haaland, 1983 in F.M. White 1999 on p. 348

$1/f^{1/2} = -1.8\log[6.9/Re_d+(e/d/3.7)^{1.11}]$ ---- this equation approximates the Moody Chart for pipe friction and is acceptable for turbulent flow (i.e Re > 4,000)

Pipe Roughness Factor (e)	0.00007	ft		
Pipe Relative Roughness (e/d)	0.000223642	ft/ft		
equation numerator	1		Fanning Friction Factor (f_f)	
equation denominator	7.00117		0.00510	
Moody Friction Factor (f_D)	0.02040		159.3872548	f_f is simply 1/4 of f_D
Casing Headloss from Darcy-Weisbach Equation: $H_l=(f_D*(L/D)*(V^2)/2g)$	159.39	ft of fluid		
	0.546	$slugs/ft^2$	2.204585538	
	0.004	$slugs/in^2$		
	0.012	psi		
	17.55462575	psf		
New conversion	0.121907123	psi		

Screen Pressures and Density

Pressure outside screen	22.078	psia	$P = P_{atm}$ + .434*water above screen
Pressure inside pipe at start of screen	24.956	psia	
Pressure inside pipe at end of screen	24.799	psia	
Air density at start of screen	0.00340	slug/ft3	
Air density at end of screen	0.00338	slug/ft3	

Screen and Slotting Characteristics

slot area (A_{slot})	0.000222	ft^2	
Hydraulic Diameter (D_h=2LW/L+W)	0.0033	ft	This is the equivalent orifice diameter according to Chesy
Equivalent Diameter	0.0056	ft	This is the Equivalent orifice diameter according to ASHRAE
Screen Roughness Factor (e), assumed at 2x casing value?	0.00014	ft	
Screen Relative roughness (e/d)	0.000447284	ft/ft	

Inches to feet Conversion	
inches	feet
4	0.333

Pressure Conversion	
psi	Pa
0.00943	65
14.7	101353.6

Temperature Conversion	
Enter Degrees F	Degrees C
206	96.7
68.000	20.00

Roughness Factor Lookup Table

Material	ft
Carbon Steel	0.00015
Fiberglass	0.000017
HDPE	0.00007
Highly Corroded Steel	0.013
Moderately Corroded Steel	0.005
Slightly Corroded Steel	0.0005
Stainless Steel	0.00005

Heat of Compression (outside temp/pressure to inside casing)

Assumes ideal diatomic gas under adiabatic compression with no loss of energy with system at a steady state

Atmospheric Temperature (T_1)	293.15	K
Atmospheric Pressure (P_1)	101,354	Pa
Pressure after blower (P_2)	172,908	Pa
Ratio of heat capacity for ideal gas (K)	1.40	dimensionless
equation exponent	0.286	
$T_2=T_1(P_2/P_1)^{(k-1/k)}$	341.48	Degrees K
Temperature downstream of blower (T_2)	68.33	Degrees C
Temperature downstream of blower (T_2)	155.00	Degrees F

Reynold Number Calcs

Re	63,772	=rVd/m
Re_d	42,790	=Vd/u

Calculation of dynamic air viscosity at post blower temp

Temp c	m (Ns/m^2)	Method	m ($lb sec/ft^2$)
68.33264047	2.00005E-05	Power Law	4.18724E-07
68.33	2.0297E-05	Sutherland Law	4.24932E-07

Water Properties at 68 F

Water Density (r)	1.94E+00	$slug/ft^3$
Kinematic Water Viscosity (u)	1.08E-05	ft^2/sec
Dynamic Water Viscosity (m)	2.09E-05	lb sec/ft^2

Screen Volume

Volume	65.79	cu ft
Volume	492.09	gallons
PI	3.14	
Radius	0.1565	
screen length	855	feet

bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

APPENDIX A

HISTORICAL DATA FROM PREVIOUS INVESTIGATIONS (PROVIDED ON ENCLOSED CD)

Appendix A-1

Portions of: Final Voluntary Corrective Measures Work Plan Addendum Site SS-61 Soil Remediation, Holloman AFB, New Mexico, North Wind, Inc., November 2008

Table 2-1
DPT Soil Analytical Data (May 2007)
SS-61 Soil Remediation
Voluntary Corrective Measures Work Plan Addendum
Holloman AFB, New Mexico
Bhate Project No.: 9080130

Client Sample ID:	Soil Screening Levels	SS61-DP58 18'		SS61-DP59 17'		SS61-DP59 25'		SS61-DP60 14'		SS61-DP60 19'		SS61-DP60 24'		SS61-DP61 17'		SS61-DP61 24'		SS61-DP62 13'		SS61-DP62 21'		SS61-DP62a 21'		SS61-DP63 15'		SS61-DP63 21'		SS61-DP64 13'	
Lab Sample ID:	NMED	F49337-4		F49337-5		F49337-6		F49337-1		F49337-2		F49337-3		F49392-8		F49392-9		F49392-1		F49392-2		F49392-3		F49392-4		F49392-5		F49392-6	
Date Sampled:	Residential[1]	5/7/2007		5/7/2007		5/7/2007		5/7/2007		5/7/2007		5/7/2007		5/7/2007		5/7/2007		5/8/2007		5/8/2007		5/8/2007		5/8/2007		5/8/2007		5/8/2007	
Analyte		**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**
Volatile Organic Compounds	**mg/kg**	**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**	
Acetone	28,100	21	U	28	U	29.5	J	160,000	U	150,000	U	4,000	U	111	J	1,500	U	24	U	1,400	U	1,400	U	70.7	J	1,500	U	26	U
Benzene	10.3	1.7	U	2.2	U	94.1		13,000	U	**146,000**		**13,600**		2.2	U	255	J	1.9	U	908		448		3.8	J	4,160		2.1	U
sec-Butylbenzene	60.6	1.7	U	2.2	U	6.0		13,000	U	12,000	U	713	J	2.2	U	120	U	1.9	U	1,020		201	J	181		740		2.1	U
tert-Butylbenzene	106	1.7	U	2.2	U	2.8	J	13,000	U	12,000	U	320	U	2.2	U	120	U	1.9	U	408		110	U	63.8		120	U	2.1	U
Carbon disulfide	460	1.7	U	2.2	U	5.6	J	13,000	U	12,000	U	320	U	2.2	U	120	U	1.9	U	120	U	110	U	2.3	U	120	U	2.1	U
1,2-Dichloroethane	6.04	1.7	U	2.2	U	2.0	U	13,000	U	12,000	U	320	U	2.2	U	120	U	1.9	U	120	U	110	U	2.3	U	120	U	2.1	U
m-Dichlorobenzene	32.6	1.7	U	2.2	U	2.0	U	13,000	U	12,000	U	320	U	2.2	U	120	U	1.9	U	120	U	110	U	2.3	U	120	U	2.1	U
o-Dichlorobenzene	37.4	1.7	U	2.2	U	2.0	U	13,000	U	12,000	U	320	U	2.2	U	120	U	1.9	U	120	U	110	U	2.3	U	120	U	2.1	U
p-Dichlorobenzene	39.5	1.7	U	2.2	U	2.0	U	13,000	U	12,000	U	320	U	2.2	U	120	U	1.9	U	120	U	110	U	2.3	U	120	U	2.1	U
Ethylbenzene	128	1.7	U	2.2	U	6.1		66,500		119,000		24,900		2.2	U	207	J	1.9	U	6,200		1,180		2.3	U	11,000		2.1	U
Hexane	38	2.5	U	3.4	U	2.9	U	**76,100**	J	**149,000**	J	960		3.3	U	180	U	2.9	U	170	U	375	J	3.5	U	180	U	3.1	U
Isopropylbenzene	271	1.7	U	2.2	U	350		106,000		26,100	J	49,600		2.2	U	1,650		1.9	U	57,300		39,800		135		43,300		2.1	U
Methyl ethyl ketone	31,800	8.5	U	11	U	9.8	U	63,000	U	62,000	U	1,600	U	11	U	590	U	9.7	U	580	U	570	U	12	U	620	U	10	U
Naphthalene	79.5	1.7	U	2.2	U	2.0	U	13,000	U	12,000	U	320	U	2.2	U	120	U	1.9	U	120	U	110	U	2.3	U	120	U	2.1	U
n-Propylbenzene	62.1	1.7	U	2.2	U	7.0		14,100	J	18,900	J	4,470		2.2	U	120	U	1.9	U	2,630		401		7.7		2,470		2.1	U
1,2,4-Trichlorobenzene	69.3	1.7	U	2.2	U	2.0	U	13,000	U	12,000	U	320	U	2.2	U	120	U	1.9	U	120	U	110	U	2.3	U	120	U	2.1	U
1,2,4-Trimethylbenzene	58	2.5	U	3.4	U	2.9	U	**151,000**		**182,000**		3,590		3.3	U	180	U	2.9	U	170	U	170	U	3.5	U	180	U	3.1	U
1,3,5-Trimethylbenzene	24.8	1.7	U	2.2	U	2.0	U	**76,500**		**94,300**		320	U	2.2	U	120	U	1.9	U	120	U	110	U	2.3	U	120	U	2.1	U
Toluene	252	1.7	U	2.2	U	2.0	U	**289,000**		**1,030,000**		964		2.2	U	120	U	1.9	U	120	U	110	U	2.3	U	120	U	2.1	U
Vinyl Acetate	1,070	8.5	U	11	U	9.8	U	63,000	U	62,000	U	1,600	U	11	U	590	U	9.7	U	580	U	570	U	12	U	620	U	10	U
m,p-Xylene	82	2.5	U	3.4	U	2.9	U	**626,000**		**771,000**		4,300		3.3	U	180	U	2.9	U	170	U	170	U	3.5	U	180	U	3.1	U
o-Xylene	99.5	1.7	U	2.2	U	2.0	U	**230,000**		**284,000**		2,950		2.2	U	120	U	1.9	U	120	U	110	U	2.3	U	120	U	2.1	U
Semi-Volatile Organic Compounds	**mg/kg**	**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**	
2,4-Dichlorophenol	183	33	U	46	U	36	U	41	U	39	U	43	U	39	U	39	U	39	U	38	U	37	U	39	U	39	U	39	U
2,4-Dimethylphenol	1,220	33	U	46	U	36	U	50.4	J	39	U	43	U	39	U	39	U	39	U	38	U	37	U	39	U	39	U	39	U
2-Methylphenol	NV	33	U	46	U	36	U	49.9	J	39	U	43	U	39	U	39	U	39	U	38	U	37	U	39	U	39	U	39	U
3&4-Methylphenol	NV	33	U	46	U	36	U	89.6	J	39	U	43	U	39	U	39	U	39	U	38	U	37	U	39	U	39	U	39	U
Phenol	18300	33	U	46	U	36	U	41	U	39	U	377		39	U	39	U	39	U	38	U	37	U	39	U	372		39	U
Acenaphthene	3730	33	U	46	U	36	U	41	U	39	U	43	U	39	U	39	U	39	U	38	U	37	U	39	U	39	U	39	U
Acenaphthylene	NV	33	U	46	U	36	U	41	U	39	U	43	U	39	U	39	U	39	U	38	U	37	U	39	U	39	U	39	U
Benzo(a)anthracene	6.21	33	U	46	U	36	U	41	U	39	U	43	U	39	U	39	U	39	U	38	U	37	U	39	U	39	U	39	U
Benzo(b)fluoranthene	6.21	33	U	46	U	36	U	41	U	39	U	43	U	39	U	39	U	39	U	38	U	37	U	39	U	39	U	39	U
Chrysene	615	33	U	46	U	36	U	41	U	39	U	43	U	39	U	39	U	39	U	38	U	37	U	39	U	39	U	39	U
1,2-Dichlorobenzene	37.4	33	U	46	U	36	U	41	U	39	U	43	U	39	U	39	U	39	U	38	U	37	U	39	U	39	U	39	U
1,3-Dichlorobenzene	32.6	33	U	46	U	36	U	41	U	39	U	43	U	39	U	39	U	39	U	38	U	37	U	39	U	39	U	39	U
1,4-Dichlorobenzene	39.5	33	U	46	U	36	U	41	U	39	U	43	U	39	U	39	U	39	U	38	U	37	U	39	U	39	U	39	U
Dibenzofuran	142	33	U	46	U	36	U	41	U	39	U	43	U	39	U	39	U	39	U	38	U	37	U	39	U	39	U	39	U
Fluoranthene	2,290	33	U	46	U	36	U	41	U	39	U	43	U	39	U	39	U	39	U	38	U	37	U	39	U	39	U	39	U
Fluorene	2,660	33	U	46	U	36	U	41	U	39	U	43	U	39	U	39	U	39	U	38	U	37	U	39	U	39	U	39	U
Naphthalene	79.5	33	U	46	U	36	U	55.9	J	67.9	J	43	U	39	U	39	U	39	U	38	U	37	U	39	U	52.3	J	39	U
Phenanthrene	1,830	33	U	46	U	36	U	41	U	39	U	43	U	39	U	39	U	39	U	38	U	37	U	39	U	39	U	39	U
Pyrene	2,290	66	U	91	U	72	U	81	U	79	U	87	U	78	U	79	U	78	U	76	U	75	U	77	U	79	U	78	U
1,2,4-Trichlorobenzene	69.3	33	U	46	U	36	U	41	U	39	U	43	U	39	U	39	U	39	U	38	U	37	U	39	U	39	U	39	U
Total Petroleum Hydrocarbons		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**	
TPH-GRO (C6-C10)	NV	2.3	U	3.8	U	2.7	U	**8,050**		**11,000**		**1,530**		4.07	J	19.1		3.2	U	**1,130**		204		518		392		3.2	U
TPH-DRO (C10-C22)	NV	5.0	U	6.7	U	5.4	U	14.9		22.6		7.08	J	5.8	U	5.8	U	5.8	U	5.8	U	5.7	U	5.9	U	7.91	J	5.7	U
TPH-ORO (>C22-C36)	NV	5.0	U	6.7	U	5.4	U	6.0	U	6.1	U	6.5	U	5.8	U	5.8	U	5.8	U	5.8	U	5.7	U	5.9	U	5.9	U	5.7	U
RCRA Metals Analysis	**mg/kg**	**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**	
Arsenic	3.9	0.55		0.27	U	**4.1**		0.95		0.81		2.7		0.93		0.51		1.0		0.60		0.82		0.56		0.92		1.0	
Barium	15,600	61.3		53.3		117		57.4		56.9		106		129		68.3		62.0		99.9		71.1		42.1		50.5		63.6	
Cadmium	39	0.10	J	0.069	U	0.13	J	0.22	J	0.19	J	0.25	J	0.28		0.14	J	0.40		0.26		0.24		0.14	J	0.35		0.29	
Chromium	234	3.7		4.7		10		6.6		10.7		19.4		6.6		3.8		9.7		9.8		5.6		4.6		8.8		5.5	
Lead	400	1.9	J	2.0	J	7.3		20.7		19.3		43.5		2.9	J	1.7	J	2.8	J	3.9	J	3.1	J	2.4	J	9.5		1.6	J
Mercury	6.11	0.0065	U	0.0082	U	0.067	J	0.0089	J	0.0080	U	0.083	J	0.0069	U	0.0079	U	0.0078	U	0.0072	U	0.0075	U	0.0073	U	0.0067	U	0.0071	U
Silver	391	0.044	U	0.063	U	0.048	U	0.054	U	0.055	U	0.059	U	0.053	U	0.053	U	0.051	U	0.052	U	0.052	U	0.053	U	0.052	U	0.051	U
General Chemistry		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**	
Solids, Percent	NV	99.3		72.0		90.4		81.6		82.0		75.8		83.9		84.2		85.5		85.9		87.0		84.7		83.9		85.3	

Notes:
NMED = New Mexico Environment Departmen
RCRA = Resource Conservation and Recovery Act
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NV = No Value
NS = Not Sampled
Q = Qualifier
U = Not detected
J = Indicates an estimated value
MDL = Method detection limit
[1]NMED, June 2006, Technical Background Document for Development of Soil Screening Levels (SSLs), Revision 4.0
[2] If results are not detected (U) then the value is set at the MDL
Bold value indicates analytes above NMED SSLs

Table 2-1
DPT Soil Analytical Data (May 2007)
SS-61 Soil Remediation
Voluntary Corrective Measures Work Plan Addendum
Holloman AFB, New Mexico
Bhate Project No.: 9080130

Client Sample ID:	Soil Screening Levels	SS61-DP64 24'		SS61-DP65 11'		SS61-DP65 19'		SS61-DP66 13'		SS61-DP66 20'		SS61-DP67 17'		SS61-DP67a 17'		SS61-DP68 19'		SS61-DP69 15'		SS61-DP69a 15'		SS61-DP70 16'		SS61-DP71 17'		SS61-DP72 17'		SS61-DP74 25'	
Lab Sample ID:	NMED	F49392-7		F49416-3		F49416-4		F49416-2		F49416-1		F49416-5		F49416-6		F49416-7		F49416-8		F49416-9		F49463-3		F49463-4		F49463-5		F49463-1	
Date Sampled:	Residential[1]	5/8/2007		5/8/2007		5/8/2007		5/8/2007		5/8/2007		5/9/2007		5/9/2007		5/9/2007		5/9/2007		5/9/2007		5/10/2007		5/10/2007		5/10/2007		5/10/2007	
Analyte		**Result2**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result2**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**
Volatile Organic Compounds	**mg/kg**	**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**	
Acetone	28,100	86.9	J	32	U	1,900	U	33	U	170	J	98.2	J	42.8	J	39.3	J	50.9	J	43	J	3,800	U	26	U	31	U	1,500	U
Benzene	10.3	2.1	U	2.6	U	150	U	2.7	U	2.3	U	43.0		72.2		680		2.3	U	2.3	U	300	U	2.1	U	18.8		120	U
sec-Butylbenzene	60.6	98.7		2.6	U	150	U	2.7	U	3.9	J	2.8	U	2.4	U	2.1	U	3.5	J	12.8		300	U	2.1	U	2.5	U	301	
tert-Butylbenzene	106	2.1	U	2.6	U	150	U	2.7	U	2.3	U	2.8	U	2.4	U	2.1	U	2.3	U	2.3	U	300	U	2.1	U	2.5	U	120	U
Carbon disulfide	460	2.2	J	2.6	U	150	U	2.7	U	3.6	J	2.8	U	2.4	U	2.1	U	9.8	J	5.3	J	300	U	2.1	U	2.5	U	120	U
1,2-Dichloroethane	6.04	2.1	U	2.6	U	150	U	2.7	U	2.3	U	2.8	U	2.4	U	3.6	J	2.3	U	2.3	U	300	U	2.1	U	2.5	U	120	U
m-Dichlorobenzene	32.6	2.1	U	2.6	U	688		2.7	U	2.3	U	2.8	U	2.4	U	2.1	U	2.3	U	2.3	U	300	U	2.1	U	2.5	U	120	U
o-Dichlorobenzene	37.4	2.1	U	2.6	U	1,320		2.7	U	2.3	U	2.8	U	2.4	U	2.1	U	2.3	U	2.3	U	300	U	2.1	U	2.5	U	120	U
p-Dichlorobenzene	39.5	2.1	U	2.6	U	753		2.7	U	2.3	U	2.8	U	2.4	U	2.1	U	2.3	U	2.3	U	300	U	2.1	U	2.5	U	120	U
Ethylbenzene	128	2.1	U	2.6	U	150	U	2.7	U	2.3	U	5.4	J	10.3		82.2		2.3	U	2.3	U	300	U	2.1	U	2.5	U	1,160	
Hexane	38	3.1	U	3.9	U	230	U	4.0	U	3.4	U	4.2	U	3.6	U	3.1	U	3.4	U	3.5	U	450	U	3.1	U	3.7	U	180	U
Isopropylbenzene	271	188	J	2.6	U	150	U	2.7	U	2.3	U	34.2	J	55.1	J	131		5.8	J	43.9	J	387	J	2.1	U	2.6	U	12,000	
Methyl ethyl ketone	31,800	10	U	13	U	770	U	13	U	11	U	14.8	J	12	U	10	U	11	U	12	U	1,500	U	10	U	12	U	610	U
Naphthalene	79.5	2.1	U	2.6	U	150	U	2.7	U	2.3	U	3.3	J	2.4	U	2.1	U	2.3	U	2.3	U	300	U	2.1	U	2.5	U	120	U
n-Propylbenzene	62.1	25.8		2.6	U	150	U	2.7	U	2.3	U	2.8	U	2.4	U	5.6		2.3	U	2.3	U	300	U	2.1	U	2.5	U	448	
1,2,4-Trichlorobenzene	69.3	2.1	U	2.6	U	150	U	2.7	U	2.3	U	2.8	U	2.4	U	2.1	U	2.3	U	2.3	U	300	U	2.1	U	2.5	U	120	U
1,2,4-Trimethylbenzene	58	3.1	U	3.9	U	230	U	4.0	U	3.4	U	4.2	U	3.6	U	3.1	U	3.4	U	3.5	U	450	U	3.1	U	3.7	U	180	U
1,3,5-Trimethylbenzene	24.8	2.1	U	2.6	U	150	U	2.7	U	2.3	U	2.8	U	2.4	U	2.1	U	2.3	U	2.3	U	300	U	2.1	U	2.5	U	120	U
Toluene	252	2.1	U	2.6	U	150	U	2.7	U	2.3	U	2.8	U	2.4	U	2.1	U	2.3	U	2.3	U	300	U	2.1	U	2.5	U	120	U
Vinyl Acetate	1,070	10	U	13	U	770	U	13	U	50.3		14	U	12	U	10	U	11	U	12	U	1,500	U	10	U	12	U	610	U
m,p-Xylene	82	3.1	U	3.9	U	230	U	4.0	U	3.4	U	4.2	U	3.6	U	3.1	U	3.4	U	3.5	U	450	U	3.1	U	3.7	U	180	U
o-Xylene	99.5	2.1	U	2.6	U	150	U	2.7	U	2.3	U	2.8	U	2.4	U	2.1	U	2.3	U	2.3	U	300	U	2.1	U	2.5	U	120	U
Semi-Volatile Organic Compounds	**mg/kg**	**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**	
2,4-Dichlorophenol	183	39	U	40	U	69.2	J	43	U	41	U	41	U	43	U	41	U	40	U	41	U	44	U	38	U	43	U	39	U
2,4-Dimethylphenol	1,220	39	U	40	U	44	U	43	U	41	U	41	U	43	U	41	U	40	U	41	U	44	U	38	U	43	U	39	U
2-Methylphenol	NV	39	U	40	U	44	U	43	U	41	U	41	U	43	U	41	U	40	U	41	U	44	U	38	U	43	U	39	U
3&4-Methylphenol	NV	39	U	40	U	44	U	43	U	41	U	41	U	43	U	41	U	40	U	41	U	44	U	38	U	43	U	39	U
Phenol	18300	39	U	40	U	44	U	43	U	41	U	41	U	43	U	41	U	40	U	41	U	44	U	38	U	43	U	39	U
Acenaphthene	3730	39	U	40	U	263		43	U	41	U	41	U	43	U	41	U	40	U	41	U	44	U	38	U	43	U	39	U
Acenaphthylene	NV	39	U	40	U	196	J	43	U	41	U	41	U	43	U	41	U	40	U	41	U	44	U	38	U	43	U	39	U
Benzo(a)anthracene	6.21	39	U	40	U	44	U	43	U	41	U	41	U	43	U	41	U	40	U	41	U	44	U	38	U	43	U	59.7	J
Benzo(b)fluoranthene	6.21	39	U	40	U	44	U	43	U	41	U	41	U	43	U	41	U	40	U	41	U	44	U	38	U	43	U	43.5	J
Chrysene	615	39	U	40	U	44	U	43	U	41	U	41	U	43	U	41	U	40	U	41	U	44	U	38	U	43	U	63.5	J
1,2-Dichlorobenzene	37.4	39	U	40	U	2,010		43	U	41	U	41	U	43	U	41	U	40	U	41	U	44	U	38	U	43	U	39	U
1,3-Dichlorobenzene	32.6	39	U	40	U	1,110		43	U	41	U	41	U	43	U	41	U	40	U	41	U	44	U	38	U	43	U	39	U
1,4-Dichlorobenzene	39.5	39	U	40	U	1,140		43	U	41	U	41	U	43	U	41	U	40	U	41	U	44	U	38	U	43	U	39	U
Dibenzofuran	142	39	U	40	U	713		43	U	41	U	41	U	43	U	41	U	40	U	41	U	44	U	38	U	43	U	39	U
Fluoranthene	2,290	39	U	40	U	44	U	43	U	41	U	41	U	43	U	41	U	40	U	41	U	44	U	38	U	43	U	165	J
Fluorene	2,660	39	U	40	U	469		43	U	41	U	41	U	43	U	41	U	40	U	41	U	44	U	38	U	43	U	39	U
Naphthalene	79.5	39	U	40	U	44	U	43	U	41	U	41	U	43	U	41	U	40	U	41	U	44	U	38	U	43	U	39	U
Phenanthrene	1,830	39	U	40	U	550		43	U	41	U	41	U	43	U	41	U	40	U	41	U	44	U	38	U	43	U	121	J
Pyrene	2,290	77	U	81	U	87	U	86	U	81	U	82	U	86	U	82	U	81	U	82	U	87	U	76	U	85	U	124	J
1,2,4-Trichlorobenzene	69.3	39	U	40	U	59.8	J	43	U	41	U	41	U	43	U	41	U	40	U	41	U	44	U	38	U	43	U	39	U
Total Petroleum Hydrocarbons		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**	
TPH-GRO (C6-C10)	NV	63	U	3.7	U	116		4.2	U	107		3.5	U	3.9	U	110	U	90.1		3.58	J	4.07	J	3.4	U	3.7	U	126	
TPH-DRO (C10-C22)	NV	12.0		6.2	U	327		6.5	U	5.8	U	6.3	U	6.5	U	6.4	U	6.2	U	6.3	U	6.7	U	5.7	U	6.6	U	5.5	U
TPH-ORO (>C22-C36)	NV	5.7	U	6.2	U	33.7	J	6.5	U	5.8	U	6.3	U	6.5	U	6.4	U	6.2	U	6.3	U	6.7	U	5.7	U	6.6	U	5.5	U
RCRA Metals Analysis	**mg/kg**	**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**	
Arsenic	3.9	0.97		0.68		0.40	J	1.3		1.2		0.57		0.69		0.49		0.67		0.74		0.77		1.1		0.41	J	0.88	
Barium	15,600	65.0		31.8		78.6		89.8		135		83.8		83.9		60.3		70.5		71.8		63.7		75.1		77.4		32.5	
Cadmium	39	0.29		0.11	J	0.21	J	0.44		0.33		0.27		0.31		0.20	J	0.24		0.29		0.092	J	0.24		0.18	J	0.063	J
Chromium	234	6.9		3.2		5.3		8.5		7.6		5.6		5.6		5.1		6.0		8.3		3.9		7.5		5.2		3.4	
Lead	400	2.9	J	0.57	J	2.2	J	2.6	J	2.6	J	2.5	J	2.9	J	1.8	J	1.7	J	1.7	J	3.7	J	2.6	J	1.8	J	2.6	J
Mercury	6.11	0.0074	U	0.0071	U	0.0085	J	0.0093	J	0.0073	U	0.0079	U	0.0088	U	0.0079	U	0.0079	U	0.0079	U	0.0075	U	0.0072	U	0.0077	U	0.0074	U
Silver	391	0.070	J	0.056	U	0.057	U	0.057	U	0.055	U	0.057	U	0.057	U	0.054	U	0.055	U	0.056	U	0.060	U	0.051	U	0.057	U	0.052	U
General Chemistry		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**	
Solids, Percent	NV	85.7		80.7		76.6		77.4		81.3		79.1		76.0		80.1		81.9		78.9		74.8		87.4		76.1		86.0	

Notes:
NMED = New Mexico Environment Departmen
RCRA = Resource Conservation and Recovery Act
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NV = No Value
NS = Not Sampled
Q = Qualifier
U = Not detected
J = Indicates an estimated value
MDL = Method detection limit
[1]NMED, June 2006, Technical Background Document for Development of Soil Screening Levels (SSLs), Revision 4.0
[2] If results are not detected (U) then the value is set at the MDL
Bold value indicates analytes above NMED SSLs

Table 2-2
Groundwater Analytical Data (May 2007)
SS-61 Soil Remediation
Voluntary Corrective Measures Work Plan Addendum
Holloman AFB, New Mexico
Bhate Project No.: 90080130

Client Sample ID:	Groundwater Screening Levels		SS61-MW02		SS61-MW03		SS61-MW05		SS61-MW05a		SS61-MW06		SS61-MW06a		SS61-MW07	
Lab Sample ID:	NMWQCC[1]	EPA MCL	F49350-1		F49350-3		F49469-1		F49469-2		F49400-4		F49400-3		F49400-1	
Date Sampled:			5/7/2007		5/7/2007		5/9/2007		5/9/2007		5/8/2007		5/8/2007		5/8/2007	
Analyte			Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q
Volatile Organic Compounds	µg/L	µg/L	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
Acetone	NV	NV	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Benzene	10	5	0.79	J	**1,580**		0.50	U	0.50	U	**29.1**		**31.2**		3.5	
sec-Butylbenzene	NV	NV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
tert-Butylbenzene	NV	NV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroform	100	NV	0.56	J	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1-Chlorohexane	NV	NV	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dibromoethane	0.1	0.05	0.50	U	**1.7**		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloroethane	10	5	0.50	U	**64.0**		0.50	U	0.50	U	1.6		1.6		0.50	U
m-Dichlorobenzene	NV	NV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
o-Dichlorobenzene	NV	600	1.7		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
p-Dichlorobenzene	NV	75	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Ethylbenzene	750	700	0.50	U	9.3		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Hexane	NV	NV	1.0	U	13.2		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Isopropylbenzene	NV	NV	0.50	U	90.7		0.50	U	0.50	U	30.8		33.9		0.57	J
Methylene chloride	100	5	1.0	U	1.6	J	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Naphthalene	30	NV	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
n-Propylbenzene	NV	NV	0.50	U	2.8		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloroethane	10	5	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichlorobenzene	NV	NV	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trimethylbenzene	NV	NV	1.0	U	2.5		1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,3,5-Trimethylbenzene	NV	NV	1.0	U	1.4	J	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Toluene	750	1000	0.50	U	4.6		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Trichloroethylene	100	5	**11.4**		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
m,p-Xylene	620	10000	0.50	U	17.7		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
o-Xylene	620	10000	0.50	U	9.2		0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Semi-Volatile Organic Compounds	µg/L	µg/L	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
2,4-Dichlorophenol	NV	NV	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
2,4-Dimethylphenol	NV	NV	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
2-Methylphenol	NV	NV	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
3&4-Methylphenol	NV	NV	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Phenol	NV	NV	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Acenaphthene	NV	NV	0.96	U	0.95	U	0.95	U	0.95	U	0.96	U	0.96	U	0.96	U
1,2-Dichlorobenzene	NV	600	1.4	J	0.95	U	0.95	U	0.95	U	0.96	U	0.96	U	0.96	U
1,3-Dichlorobenzene	NV	NV	0.96	U	0.95	U	0.95	U	0.95	U	0.96	U	0.96	U	0.96	U
1,4-Dichlorobenzene	NV	75	0.96	U	0.95	U	0.95	U	0.95	U	0.96	U	0.96	U	0.96	U
Dibenzofuran	NV	NV	0.96	U	0.95	U	0.95	U	0.95	U	0.96	U	0.96	U	0.96	U
Di-n-butyl phthalate	NV	NV	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Fluorene	NV	NV	0.96	U	0.95	U	0.95	U	0.95	U	0.96	U	0.96	U	0.96	U
Naphthalene	NV	NV	0.96	U	0.95	U	0.95	U	0.95	U	0.96	U	0.96	U	0.96	U
Phenanthrene	NV	NV	0.96	U	0.95	U	0.95	U	0.95	U	0.96	U	0.96	U	0.96	U
1,2,4-Trichlorobenzene	NV	NV	0.96	U	0.95	U	0.95	U	0.95	U	0.96	U	0.96	U	0.96	U
Total Petroleum Hydrocarbons			mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L	
TPH-GRO (C6-C10)	NV	NV	0.050	U	6.90		0.050	U	0.050	U	0.457		0.466		0.050	U
TPH-DRO (C10-C22)	NV	NV	0.096	U	0.096	U	0.095	U	0.10	U	0.096	U	0.299		0.095	U
TPH-ORO (>C22-C36)	NV	NV	0.096	U	0.096	U	0.095	U	0.10	U	0.096	U	0.190	J	0.095	U
RCRA Metals Analysis	µg/L	µg/L	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
Arsenic	100	10	**11.4**		**19.2**		**18.4**		**15.8**		**29.7**		**31.2**		8.1	J
Barium	1,000	2,000	11.9	J	21.5	J	13.0	J	13.9	J	11.7	J	11.7	J	11.8	J
Chromium	50	100	0.60	U	0.60	U	0.77	J	0.89	J	0.60	U	0.60	U	0.62	J
Lead	50	15	1.7	U	1.7	U	1.7	U	3.4	U	3.4	U	3.4	U	3.4	U
Mercury	2	2	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
Selenium	50	50	56	U	70	U	70	U	2.8	U	12.7		12.0		14	U
Silver	50	NV	0.90	U	0.90	U	0.90	U	0.90	U	1.3	J	0.90	U	1.8	J
General Chemistry	mg/L	mg/L	mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L	
Solids, Total Dissolved	1,000	NV	**13,300**		**26,800**		**5,670**		**5,430**		**17,400**		**17,200**		**7,180**	

Client Sample ID:	SS61-MW08		SS61-MW09		SS61-MW10		SS61-MW12		SS61-MW13		SS61-MW14		SS61-MW-29-02		SS61-MW-29-03	
Lab Sample ID:	F49425-3		F49425-2		F49400-2		F49350-2		F49536-3		F49536-2		F49425-4		F49425-6	
Date Sampled:	5/9/2007		5/9/2007		5/8/2007		5/7/2007		5/12/2007		5/12/2007		5/9/2007		5/9/2007	
Analyte	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q
Volatile Organic Compounds	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
Acetone	6.5	J	5.0	U	82.6	J	5.0	U	5.0	U	54.4	J	5.0	U	5.0	U
Benzene	0.50	U	0.50	U	**503**		0.50	U	0.50	U	**2,170**		0.50	U	0.50	U
sec-Butylbenzene	0.50	U	0.50	U	5.0	U	0.50	U	0.50	U	5.4	J	0.50	U	0.50	U
tert-Butylbenzene	0.50	U	0.56	J	5.0	U	0.50	U	0.50	U	5.0	U	0.50	U	0.50	U
Chloroform	0.50	U	0.50	U	5.0	U	0.50	U	0.50	U	5.0	U	0.96	J	7.7	
1-Chlorohexane	1.0	U	1.0	U	10	U	1.0	U	1.0	U	10	U	1.0	U	1.0	U
1,2-Dibromoethane	0.50	U	0.50	U	5.0	U	0.50	U	0.50	U	5.0	U	0.50	U	0.50	U
1,2-Dichloroethane	0.50	U	0.50	U	5.0	U	0.50	U	0.50	U	**5.4**	J	**31.1**		2.3	
m-Dichlorobenzene	0.50	U	0.50	U	5.0	U	0.50	U	0.50	U	5.0	U	0.50	U	0.50	U
o-Dichlorobenzene	0.50	U	0.50	U	5.0	U	0.50	U	0.50	U	5.0	U	0.50	U	0.50	U
p-Dichlorobenzene	0.50	U	0.50	U	5.0	U	0.50	U	0.50	U	5.0	U	0.50	U	0.50	U
Ethylbenzene	0.50	U	0.50	U	5.0	U	0.50	U	0.50	U	117		0.50	U	0.50	U
Hexane	1.0	U	1.0	U	10	U	1.0	U	1.0	U	10	U	1.0	U	1.0	U
Isopropylbenzene	0.50	U	0.50	U	18.2		0.50	U	0.50	U	458		0.50	U	0.50	U
Methylene chloride	1.0	U	1.0	U	**10.6**	J	1.0	U	1.0	U	10	U	1.0	U	1.0	U
Naphthalene	1.0	U	1.0	U	10	U	1.0	U	1.0	U	10	U	1.0	U	1.0	U
n-Propylbenzene	0.50	U	0.50	U	5.0	U	0.50	U	0.50	U	10.8		0.50	U	0.50	U
1,1,2-Trichloroethane	0.50	U	0.50	U	5.0	U	0.50	U	0.50	U	5.0	U	0.50	U	0.50	U
1,2,3-Trichlorobenzene	0.50	U	0.50	U	5.0	U	0.50	U	0.50	U	5.0	U	0.53	JB	0.50	U
1,2,4-Trimethylbenzene	1.0	U	1.0	U	10	U	1.0	U	1.0	U	10	U	1.0	U	1.0	U
1,3,5-Trimethylbenzene	1.0	U	1.0	U	10	U	1.0	U	1.0	U	10	U	1.0	U	1.0	U
Toluene	0.51	J	0.50	U	5.0	U	0.50	U	0.50	U	5.0	U	0.50	U	0.50	U
Trichloroethylene	0.50	U	0.50	U	5.0	U	0.50	U	0.50	U	5.0	U	0.50	U	0.50	U
m,p-Xylene	0.50	U	0.50	U	5.0	U	0.50	U	0.50	U	16.3	J	0.50	U	0.50	U
o-Xylene	0.50	U	0.50	U	5.0	U	0.50	U	0.50	U	5.0	U	0.50	U	0.50	U
Semi-Volatile Organic Compounds	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
2,4-Dichlorophenol	1.9	U	1.9	U	2.0	U	2.0	U	1.9	U	1.9	U	2.0	U	1.9	U
2,4-Dimethylphenol	1.9	U	1.9	U	2.0	U	2.0	U	1.9	U	1.9	U	2.0	U	1.9	U
2-Methylphenol	1.9	U	1.9	U	2.0	U	2.0	U	1.9	U	1.9	U	2.0	U	1.9	U
3&4-Methylphenol	1.9	U	1.9	U	2.0	U	2.0	U	1.9	U	1.9	U	2.0	U	1.9	U
Phenol	1.9	U	1.9	U	3.8	J	2.0	U	1.9	U	29.9		2.0	U	1.9	U
Acenaphthene	0.95	U	0.95	U	1.0	U	1.0	U	0.97	U	0.97	U	1.0	U	0.95	U
1,2-Dichlorobenzene	0.95	U	0.95	U	1.0	U	1.0	U	0.97	U	0.97	U	1.0	U	0.95	U
1,3-Dichlorobenzene	0.95	U	0.95	U	1.0	U	1.0	U	0.97	U	0.97	U	1.0	U	0.95	U
1,4-Dichlorobenzene	0.95	U	0.95	U	1.0	U	1.0	U	0.97	U	0.97	U	1.0	U	0.95	U
Dibenzofuran	0.95	U	0.95	U	1.0	U	1.0	U	0.97	U	0.97	U	1.0	U	0.95	U
Di-n-butyl phthalate	1.9	U	1.9	U	2.0	U	2.0	U	1.9	U	1.9	U	2.0	U	1.9	U
Fluorene	0.95	U	0.95	U	1.0	U	1.0	U	0.97	U	0.97	U	1.0	U	0.95	U
Naphthalene	0.95	U	0.95	U	1.0	U	1.0	U	0.97	U	0.97	U	1.0	U	0.95	U
Phenanthrene	0.95	U	0.95	U	1.0	U	1.0	U	0.97	U	0.97	U	1.0	U	0.95	U
1,2,4-Trichlorobenzene	0.95	U	0.95	U	1.0	U	1.0	U	0.97	U	0.97	U	1.0	U	0.95	U
Total Petroleum Hydrocarbons	mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L	
TPH-GRO (C6-C10)	0.050	U	0.316		1.56		0.050	U	0.050	U	9.06		0.050	U	0.050	U
TPH-DRO (C10-C22)	0.096	U	0.123	J	0.475		0.10	U	0.096	U	0.666		0.096	U	0.096	U
TPH-ORO (>C22-C36)	0.096	U	0.096	U	0.096	U	0.10	U	0.096	U	0.273		0.096	U	0.096	U
RCRA Metals Analysis	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
Arsenic	5.5	J	9.1	J	5.7	J	**11.5**		4.9	J	**21.8**		7.7	J	8.4	J
Barium	13.4	J	15.4	J	23.3	J	17.4	J	16.2	J	15.8	J	12.8	J	17.7	J
Chromium	0.65	J	1.2	J	1.2	J	0.60	U	0.60	J	1.7	J	1.4	J	0.60	U
Lead	3.4	U	3.4	U	3.4	U	1.7	U	1.7	U	1.7	U	3.4	U	3.4	U
Mercury	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
Selenium	2.8	U	2.8	U	14	U	70	U	110	U	110	U	2.8	U	2.8	U
Silver	0.90	U	1.1	J	0.90	U	0.90	U	0.90	U	0.90	U	1.0	J	0.90	U
General Chemistry	mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L	
Solids, Total Dissolved	**3,110**		**2,850**		**2,670**		**3,070**		**19,200**		**2,910**		**17,600**		**9,880**	

Notes:
NMWQCC = New Mexico Water Quality Control Commission
EPA = Environmental Protection Agency
MCL = Maximum Contaminant Level
µg/L = micrograms per liter
mg/L = milligrams per liter
NV = No Value
Q = Qualifier
U = Not detected
J = Indicates an estimated value
[1]Standards for Groundwater, if 10,000 mg/L TDS Concentration or Less, New Mexico Administrative Code 20.6.2.3103
[2] If results are not detected (U) then the value presented is the Method Detection Limit (MDL)
Bold value indicates analytes above New Mexico Groundwater Quality Standard and or the EPA MCLs.

Table 2-2
Groundwater Analytical Data (May 2007)
SS-61 Soil Remediation
Voluntary Corrective Measures Work Plan Addendum
Holloman AFB, New Mexico
Bhate Project No. 9080130

Client Sample ID:	Groundwater Screening Levels		SS61-MW-29-04		SS61-MW-29-05		SS61-MW29-08		SS61-TMW59		SS61-TMW60		SS61-TMW61		SS61-TMW62		SS61-TMW63		SS61-TMW63A		SS61-TMW64		SS61-TMW65		SS61-TMW67		SS61-TMW69		SS61-TMW70	
Lab Sample ID:	NMWQCC[1]	EPA MCL	F49425-5		F49425-1		F49469-5		F49469-4		F49469-11		F49469-3		F49499-1		F49499-2		F49499-7		F49499-3		F49499-4		F49499-5		F49499-6		F49536-1	
Date Sampled:			5/9/2007		5/9/2007		5/9/2007		5/9/2007		5/9/2007		5/9/2007		5/10/2007		5/10/2007		5/10/2007		5/10/2007		5/11/2007		5/11/2007		5/11/2007		5/11/2007	
Analyte			**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**
Volatile Organic Compounds	**µg/L**	**µg/L**	**µg/L**		**µg/L**		**µg/L**		**µg/L**		**µg/L**		**µg/L**		**µg/L**		**µg/L**		**µg/L**		**µg/L**		**µg/L**		**µg/L**		**µg/L**		**µg/L**	
Acetone	NV	NV	5.0	U	5.0	U	5.4	J	50	U	250	U	250	U	23.0	J	2,500	U	2,500	U	11.5	J	100	U	2,500	U	250	U	54.9	J
Benzene	10	5	0.50	U	1.7		0.50	U	**333**		**18,300**		**2,930**		**435**		**12,900**		**13,100**		1.6		10	U	**12,900**		**2,160**		**451**	
sec-Butylbenzene	NV	NV	0.50	U	0.72	J	0.50	U	5.0	U	25	U	25	U	5.4		250	U	250	U	2.0		10	U	250	U	25	U	4.4	J
tert-Butylbenzene	NV	NV	0.50	U	0.50	U	0.50	U	5.0	U	25	U	25	U	4.3		250	U	250	U	0.79	J	10	U	250	U	25	U	4.6	J
Chloroform	100	NV	0.74	J	0.50	U	0.50	U	5.0	U	25	U	25	U	1.0	U	250	U	250	U	0.50	U	10	U	250	U	25	U	2.5	U
1-Chlorohexane	NV	NV	1.0	U	1.0	U	1.0	U	10	U	50	U	50	U	49.0		500	U	500	U	1.0	U	20	U	500	U	50	U	5.0	U
1,2-Dibromoethane	0.1	0.05	0.50	U	0.50	U	0.50	U	5.0	U	**1,100**		25	U	1.0	U	250	U	250	U	0.50	U	10	U	250	U	25	U	2.5	U
1,2-Dichloroethane	10	5	4.7		**50.0**		**18.6**		**12.5**		**93.0**		25	U	9.3		250	U	250	U	0.50	U	10	U	250	U	**33.2**	J	2.5	U
m-Dichlorobenzene	NV	NV	0.50	U	0.50	U	0.50	U	5.0	U	25	U	25	U	1.0	U	250	U	250	U	0.50	U	673		250	U	25	U	2.5	U
o-Dichlorobenzene	NV	600	0.50	U	0.64	J	0.50	U	5.0	U	25	U	25	U	1.0	U	250	U	250	U	0.50	U	**1,750**		284	J	25	U	2.5	U
p-Dichlorobenzene	NV	75	0.50	U	0.50	U	0.50	U	5.0	U	25	U	25	U	1.0	U	250	U	250	U	0.50	U	771		250	U	25	U	2.5	U
Ethylbenzene	750	700	0.50	U	0.50	U	0.50	U	39.6		**1,710**		174		15.8		**1,510**		**1,560**		0.50	U	10	U	**916**		461		113	
Hexane	NV	NV	1.0	U	1.0	U	1.0	U	10	U	50	U	50	U	2.0	U	500	U	500	U	1.0	U	20	U	500	U	50	U	5.0	U
Isopropylbenzene	NV	NV	0.50	U	1.4		0.50	U	863		515		1,150		744		1,400		1,360		8.6		10	U	1,890		1,590		837	
Methylene chloride	100	5	1.0	U	1.0	U	1.0	U	11.1	J	50.8	JB	56.7	J	2.0	U	**524**	J	**554**	J	1.0	U	20.7	J	**523**	J	50	U	5.0	U
Naphthalene	30	NV	1.0	U	1.0	U	1.0	U	10	U	96.6	J	50	U	2.0	U	500	U	500	U	1.0	U	20	U	500	U	50	U	5.0	U
n-Propylbenzene	NV	NV	0.50	U	0.50	U	0.50	U	5.6	J	76.7		25	U	2.6		250	U	250	U	0.50	U	10	U	250	U	26.8	J	6.6	
1,1,2-Trichloroethane	10	5	0.50	U	0.50	U	0.50	U	5.0	U	25	U	25	U	1.2	J	250	U	250	U	0.50	U	10	U	250	U	25	U	2.5	U
1,2,3-Trichlorobenzene	NV	NV	0.50	U	0.50	U	0.50	U	5.0	U	25	U	25	U	1.0	U	250	U	250	U	0.50	U	10	U	250	U	25	U	2.5	U
1,2,4-Trimethylbenzene	NV	NV	1.0	U	1.0	U	1.0	U	10	U	804		50	U	2.0	U	500	U	500	U	1.0	U	20	U	500	U	190		14.4	
1,3,5-Trimethylbenzene	NV	NV	1.0	U	1.0	U	1.0	U	10	U	293		50	U	2.0	U	500	U	500	U	1.0	U	20	U	500	U	50	U	5.0	U
Toluene	750	1000	0.50	U	0.50	U	0.50	U	5.0	U	**19,700**		25	U	1.0	U	250	U	250	U	0.50	U	10	U	250	U	25	U	71.7	
Trichloroethylene	100	5	0.50	U	4.9		0.50	U	5.0	U	25	U	25	U	1.0	U	250	U	250	U	0.50	U	10	U	250	U	25	U	2.5	U
m,p-Xylene	620	10000	0.50	U	0.50	U	0.50	U	5.0	U	**6,430**		25	U	1.0	U	250	U	250	U	0.50	U	10	U	250	U	378		46.9	
o-Xylene	620	10000	0.50	U	0.50	U	0.50	U	5.0	U	**3,030**		25	U	1.0	U	250	U	250	U	0.50	U	10	U	250	U	25	U	28.4	
Semi-Volatile Organic Compounds	**µg/L**	**µg/L**	**µg/L**		**µg/L**		**µg/L**		**µg/L**		**µg/L**		**µg/L**		**µg/L**		**µg/L**		**µg/L**		**µg/L**		**µg/L**		**µg/L**		**µg/L**		**µg/L**	
2,4-Dichlorophenol	NV	NV	1.9	U	2.0	U	1.9	U	2.0	U	9.6	U	2.0	U	1.9	U	1.9	U	1.9	U	1.9	U	22.0		1.9	U	2.0	U	2.1	U
2,4-Dimethylphenol	NV	NV	1.9	U	2.0	U	1.9	U	2.2	J	22.7	J	2.0	U	1.9	U	2.5	J	2.6	J	1.9	U	2.1	U	4.8		4.8	J	2.1	U
2-Methylphenol	NV	NV	1.9	U	2.0	U	1.9	U	2.0	U	30.0		2.0	U	1.9	U	1.9	U	1.9	U	1.9	U	2.1	U	1.9	U	2.0	U	2.1	U
3&4-Methylphenol	NV	NV	1.9	U	2.0	U	1.9	U	2.0	U	27.6		2.0	U	1.9	U	1.9	U	1.9	U	1.9	U	2.1	U	1.9	U	2.0	U	2.1	U
Phenol	NV	NV	1.9	U	2.0	U	1.9	U	3.7	J	13.2	J	18.0		5.0		4.9		3.7	J	1.9	U	2.1	U	21.4		37.4		2.1	U
Acenaphthene	NV	NV	0.95	U	1.0	U	0.96	U	1.0	U	4.8	U	0.99	U	0.96	U	0.96	U	0.96	U	0.96	U	5.3		0.96	U	1.0	U	1.1	U
1,2-Dichlorobenzene	NV	600	0.95	U	1.0	U	0.96	U	1.0	U	4.8	U	1.2	J	0.96	U	0.96	U	0.96	U	0.96	U	**1,500**		0.96	U	1.0	U	1.1	U
1,3-Dichlorobenzene	NV	NV	0.95	U	1.0	U	0.96	U	1.0	U	4.8	U	0.99	U	0.96	U	0.96	U	0.96	U	0.96	U	619		0.96	U	1.0	U	1.1	U
1,4-Dichlorobenzene	NV	75	0.95	U	1.0	U	0.96	U	1.0	U	4.8	U	0.99	U	0.96	U	0.96	U	0.96	U	0.96	U	**695**		0.96	U	1.0	U	1.1	U
Dibenzofuran	NV	NV	0.95	U	1.0	U	0.96	U	1.0	U	4.8	U	0.99	U	0.96	U	0.96	U	0.96	U	1.0	J	13.9		0.96	U	1.0	U	1.1	U
Di-n-butyl phthalate	NV	NV	1.9	U	2.0	U	1.9	U	2.0	U	9.6	U	2.0	U	1.9	U	1.9	U	1.9	U	1.9	U	2.1	U	1.9	U	2.2	J	2.1	U
Fluorene	NV	NV	0.95	U	1.0	U	0.96	U	1.0	U	4.8	U	0.99	U	0.96	U	0.96	U	0.96	U	0.96	U	5.2	J	0.96	U	1.0	U	1.1	U
Naphthalene	NV	NV	0.95	U	1.0	U	0.96	U	1.0	U	4.8	U	0.99	U	0.96	U	3.8	J	4.3	J	0.96	U	1.1	U	3.7	J	1.7	J	1.1	U
Phenanthrene	NV	NV	0.95	U	1.0	U	0.96	U	1.0	U	4.8	U	0.99	U	0.96	U	0.96	U	0.96	U	0.96	U	3.1	J	0.96	U	1.0	U	1.1	U
1,2,4-Trichlorobenzene	NV	NV	0.95	U	1.0	U	0.96	U	1.0	U	4.8	U	0.99	U	0.96	U	0.96	U	0.96	U	0.96	U	5.5		0.96	U	1.0	U	1.1	U
Total Petroleum Hydrocarbons			**mg/L**		**mg/L**		**mg/L**		**mg/L**		**mg/L**		**mg/L**		**mg/L**		**mg/L**		**mg/L**		**mg/L**		**mg/L**		**mg/L**		**mg/L**		**mg/L**	
TPH-GRO (C6-C10)	NV	NV	0.050	U	0.050	U	0.050	U	1.57		870		7.49		2.51		56.6		49.6		0.331		0.416		48.2		14.7		4.72	
TPH-DRO (C10-C22)	NV	NV	0.096	U	0.104	J	0.096	U	0.607		6.51		0.706		0.281		1.70		1.56		0.143	J	2.73		1.74		0.852		0.394	J
TPH-ORO (>C22-C36)	NV	NV	0.096	U	0.098	U	0.096	U	0.165	J	1.9	U	0.125	J	0.163	J	0.48	U	0.579	J	0.145	J	0.556	J	0.549		0.19	U	0.728	
RCRA Metals Analysis	**µg/L**	**µg/L**	**µg/L**		**µg/L**		**µg/L**		**µg/L**		**µg/L**		**µg/L**		**µg/L**		**µg/L**		**µg/L**		**µg/L**		**µg/L**		**µg/L**		**µg/L**		**µg/L**	
Arsenic	100	10	9.7	J	**17.0**		**12.1**		8.4	J	7.2	J	2.8	U	**13.5**		5.2	J	2.8	U	**14.1**		5.0	J	2.8	U	4.1	J	9.9	J
Barium	1,000	2,000	18.6	J	13.3	J	15.8	J	17.8	J	15.3	J	24.2	J	17.1	J	13.8	J	13.3	J	13.6	J	21.8	J	17.3	J	29.1	J	27.7	J
Chromium	50	100	0.77	J	1.1	J	1.2	J	1.8	J	9.3	J	0.91	J	1.1	J	1.7	J	1.6	J	0.60	U	0.60	U	1.4	J	1.6	J	1.2	J
Lead	50	15	3.4	U	3.4	U	3.4	U	3.4	U	20.2		3.4	U	1.7	U	3.4	J	2.0	J	1.7	U	1.7	U	1.7	U	3.3	J	1.7	U
Mercury	2	2	0.10	U	0.10	U	0.13	J	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
Selenium	50	50	14	U	2.8	U	3.1	J	14	U	2.8	U	2.8	U	2.8	U	2.8	U	2.8	U	2.8	U	2.8	U	2.8	U	2.8	U	56	U
Silver	50	NV	0.90	U	0.90	U	0.90	U	0.96	J	0.90	U	0.90	U	0.90	U	0.90	U	0.90	U	0.90	U	0.90	U	0.90	U	0.90	U	0.90	U
General Chemistry	**mg/L**	**mg/L**	**mg/L**		**mg/L**		**mg/L**		**mg/L**		**mg/L**		**mg/L**		**mg/L**		**mg/L**		**mg/L**		**mg/L**		**mg/L**		**mg/L**		**mg/L**		**mg/L**	
Solids, Total Dissolved	1,000	NV	**11,700**		**19,600**		**18,500**		**12,200**		**15,900**		**12,900**		**14,600**		**10,500**		**19,100**		**4,790**		**3,020**		**12,000**		**29,400**		**14,500**	

Notes:
NMWQCC = New Mexico Water Quality Control Commission
EPA = Environmental Protection Agency
MCL = Maximum Contaminant Level
µg/L = micrograms per liter
mg/L = milligrams per liter
NV = No Value
Q = Qualifier
U = Not detected
J = Indicates an estimated value
[1]Standards for Groundwater, if 10,000 mg/L TDS Concentration or Less, New Mexico Administrative Code 20.6.2.3103
[2] If results are not detected (U) then the value presented is the Method Detection Limit (MDL)
Bold value indicates analytes above New Mexico Groundwater Quality Standard and or the EPA MCLs.

Table 2-3
Excavation Soil Analytical Data (June 2007)
SS-61 Soil Remediation
Voluntary Corrective Measures Work Plan Addendum
Holloman AFB, New Mexico
Bhate Project No.: 9080130

Client Sample ID:	Soil Screening Levels	SS61EP-25	SS61WP-20	SS61NE-20	SS61NE-2-26	SS61SE-20	SS61SE2-26
Lab Sample ID:	NMED	LR192463	LR192463	LR192463	LR192841	LR192463	LR192841
Date Sampled:	Residential[1]	06/20/2007	06/20/2007	06/20/2007	6/26/2007	06/20/2007	6/26/2007
Analyte		Result	Result	Result	Result	Result	Result
Volatile Organic Compounds	mg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
1,2,4-Trimethylbenzene	58	44,700	7,020	33,500	**139,000**	51,400	5,900
1,3,5-Trimethylbenzene	24.8	8330	ND	7,580	1,040 J	10,900	643 J
Benzene	10.3	ND	6,530	ND	ND	ND	ND
Ethyl benzene	128	34,100	15,100	22,300	86,600	30,400	22,000
Isopropylbenzene (Cumene)	271	111,000	37,700	89,000	**280,000**	78,000	94,000
Toluene	252	8,980	4,730	9,020	11,600	29,200	1,400 J
Xylenes, total	82	**119,000**	23,400	**86,100**	**245,000**	**134,000**	15,600
n-Butylbenzene	62.1	ND	ND	ND	1,140 J	ND	ND
n-Propylbenzene	62.1	5,610	2,140	3,760	22,100	5,470	5,720
sec-Butylbenzene	60.6	1,700 J	489 J	1,260 J	8,050	1,220 J	1,750 J
tert-Butylbenzene	106	ND	ND	ND	3,810 J	ND	767 J
Semi-Volatile Organic Compounds	mg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
All SVOCs	NV	ND	ND	ND	NS	ND	NS
Total Petroleum Hydrocarbons	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Gasoline Range Organics (C6 -C10)	NV	**3,260**	**1,200**	**1,730**	**8,210**	**2,080**	**2,510**
Diesel Range Organics (C10-C22)	NV	ND	2.4	ND	24	14	4.7
Oil Range Organics (>C22-C36)	NV	ND	ND	ND	ND	ND	ND

Notes:

NMED = New Mexico Environment Department
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
J = Estimated result. Result is less than the reporting limit.
ND = Not Detected
NV = No Value
NS = Not Sampled

[1]NMED, June 2006, Technical Background Document for Development of Soil Screening Levels, Revision 4.0

Bold value indicates analytes above NMED Soil Screening Levels (Revision 4.0, June 2006)

Table 2-4
DPT Soil Analytical Data (August 2007)
SS-61 Soil Remediation
Voluntary Corrective Measures Work Plan Addendum
Holloman AFB, New Mexico
Bhate Project No.: 9080130

Client Sample ID:	Soil Screening Levels	SS61-DP75-10'		SS61-DP75-20'		SS61-DP76-12.5'		SS61-DP76-23'		SS61-DP77-12.5'		SS61-DP77-25'		SS61-DP78-12.5'	
Lab Sample ID:	NMED	F52006-1		F52006-2		F52006-3		F52006-4		F52039-1		F52039-2		F52039-3	
Date Sampled:	Residential[1]	8/22/2007		8/22/2007		8/22/2007		8/22/2007		8/22/2007		8/22/2007		8/22/2007	
Analyte		**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**
Volatile Organic Compounds	**mg/kg**	**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**	
Acetone	28,100	38	U	27	U	27	U	27	U	29	U	29	U	28	U
Benzene	10.3	1.5	U	1.1	U	1.1	U	1.1	U	1.2	U	53.0		1.1	U
sec-Butylbenzene	60.6	1.7	U	1.2	U	1.2	U	1.2	U	1.3	U	6.5		1.2	U
tert-Butylbenzene	106	1.8	U	1.3	U	1.3	U	1.3	U	1.4	U	18.9		1.3	U
Carbon disulfide	460	1.5	U	1.1	U	1.1	U	1.1	U	1.2	U	10.5		1.1	U
1,1-Dichloroethylene	206	1.5	U	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U
Ethylbenzene	128	1.5	U	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U
Hexane	38	2.8	U	2.0	U	2.0	U	1.9	U	2.1	U	2.1	U	2.0	U
Isopropylbenzene	271	1.5	U	1.1	U	1.1	U	1.1	U	1.2	U	21.1		1.1	U
Methylene chloride	182	9.6	J	6.6	J	7.4	J	6.6	J	11.0	J	5.7	U	8.1	J
Naphthalene	79.5	3.4	J	2.2	U	2.2	U	2.2	U	2.4	U	2.3	U	2.2	U
n-Propylbenzene	62.1	1.7	U	1.2	U	1.2	U	1.2	U	1.3	U	1.3	U	1.2	U
1,2,4-Trimethylbenzene	58	1.7	U	1.2	U	1.2	U	1.2	U	1.3	U	1.3	U	1.2	U
1,3,5-Trimethylbenzene	24.8	1.5	U	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U
Toluene	252	1.5	U	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U
m,p-Xylene	82	1.7	U	1.2	U	1.2	U	1.2	U	1.3	U	1.3	U	1.2	U
o-Xylene	99.5	1.5	U	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U
Semi-Volatile Organic Compounds	**mg/kg**	**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**	
2,4-Dichlorophenol	183	NS		NS		NS		NS		NS		NS		NS	
2,4-Dimethylphenol	1,220	NS		NS		NS		NS		NS		NS		NS	
3&4-Methylphenol	NV	NS		NS		NS		NS		NS		NS		NS	
Phenol	18,300	NS		NS		NS		NS		NS		NS		NS	
2-Methylnaphthalene	NV	NS		NS		NS		NS		NS		NS		NS	
Naphthalene	79.5	NS		NS		NS		NS		NS		NS		NS	
Total Petroleum Hydrocarbons		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**	
TPH-GRO (C6-C10)	NV	4.3	U	3.8	U	3.8	U	3.4	U	3.2	U	76.2		3.2	U
TPH-DRO (C10-C22)	NV	NS		NS		NS		NS		NS		NS		NS	
TPH-ORO (>C22-C36)	NV	NS		NS		NS		NS		NS		NS		NS	
RCRA Metals Analysis	**mg/kg**	**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**	
Arsenic	3.9	NS		NS		NS		NS		NS		NS		NS	
Barium	15,600	NS		NS		NS		NS		NS		NS		NS	
Cadmium	39	NS		NS		NS		NS		NS		NS		NS	
Chromium	234	NS		NS		NS		NS		NS		NS		NS	
Lead	400	NS		NS		NS		NS		NS		NS		NS	
Mercury	6.11	NS		NS		NS		NS		NS		NS		NS	
General Chemistry		**%**		**%**		**%**		**%**		**%**		**%**		**%**	
Solids, Percent	NV	75.8		81.0		78.6		77.8		81.3		76.3		82.6	

Notes:
NMED = New Mexico Environment Department
RCRA = Resource Conservation and Recovery Act
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NV = No Value
NS = Not Sampled
Q = Qualifier
U = Not detected
J = Indicates an estimated value
[1]NMED, June 2006, Technical Background Document for Development of Soil Screening Levels (SSLs), Revision 4.0
[2] If results are not detected (U) then the value presented is the Method Detection Limit (MDL)
Bold value indicates analytes above NMED SSLs

Table 2-4
DPT Soil Analytical Data (August 2007)
SS-61 Soil Remediation
Voluntary Corrective Measures Work Plan Addendum
Holloman AFB, New Mexico
Bhate Project No.: 9080130

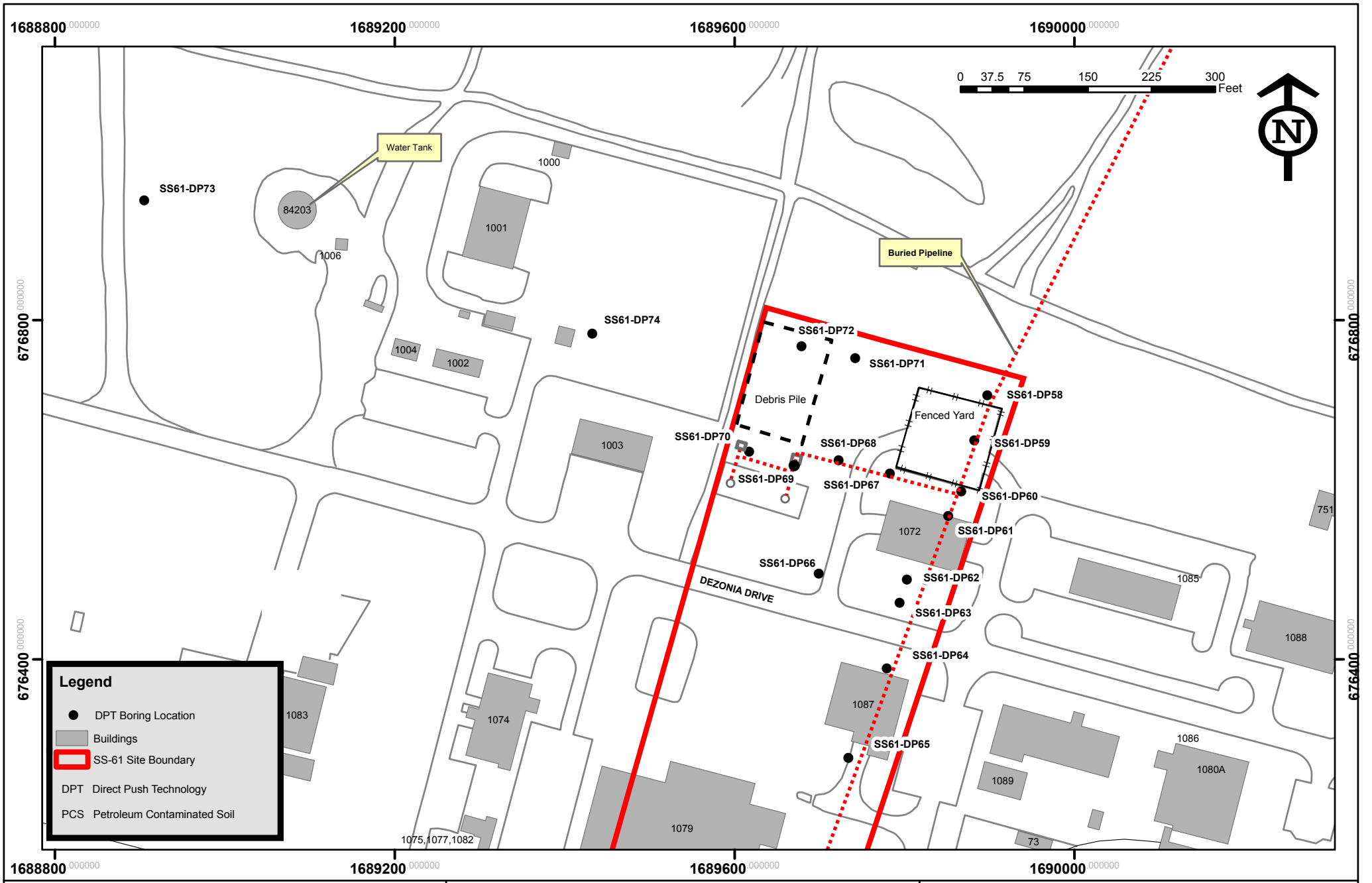
Client Sample ID:	Soil Screening Levels	SS61-DP78-25'		SS61-DP79-12.5'		SS61-DP79-25'		SS61-DP80-10'		SS61-DP80-20'		SS61-DP81-15'		SS61-DP81-22'		SS61-DP82-10'		SS61-DP82-22'	
Lab Sample ID:	NMED	F52039-4		F52039-5		F52039-6		F52038-1		F52038-2		F52038-3		F52038-4		F52038-5		F52038-6	
Date Sampled:	Residential[1]	8/22/2007		8/22/2007		8/22/2007		8/23/2007		8/23/2007		8/23/2007		8/23/2007		8/23/2007		8/23/2007	
Analyte		**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**
Volatile Organic Compounds	**mg/kg**	**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**	
Acetone	28,100	132	J	30	U	1,800	U	270	J	88,000	U	150,000	U	80,000	U	1,900	U	32,000	U
Benzene	10.3	1.1	U	1.2	U	71	U	1.1	U	**65,000**		**102,000**		**88,100**		75	U	**17,800**	
sec-Butylbenzene	60.6	11.4		1.3	U	78	U	3.8	J	3,900	U	6,500	U	3,500	U	82	U	2,560	J
tert-Butylbenzene	106	1.4	U	1.4	U	85	U	1.3	U	4,200	U	7,100	U	3,800	U	90	U	1,500	U
Carbon disulfide	460	1.1	U	1.2	U	71	U	2.5	J	3,500	U	5,900	U	3,200	U	75	U	1,300	U
1,1-Dichloroethylene	206	1.1	U	1.2	U	71	U	1.1	U	3,500	U	5,900	U	3,200	U	75	U	1,300	U
Ethylbenzene	128	1.1	U	1.2	U	71	U	13.6		70,900		127,000		76,200		75	U	29,400	
Hexane	38	2.0	U	2.2	U	130	U	2.0	U	**68,600**		**64,100**		**77,600**		130	U	2,300	U
Isopropylbenzene	271	1.1	U	1.2	U	578		114		162,000		**470,000**		**288,000**		1,880		153,000	
Methylene chloride	182	9.7	J	9.9	J	360	U	6.5	J	18,000	U	30,000	U	16,000	U	462	J	6,300	U
Naphthalene	79.5	2.3	U	2.4	U	140	U	2.2	U	7,100	U	12,000	U	6,400	U	150	U	2,500	U
n-Propylbenzene	62.1	1.2	U	1.3	U	78	U	2.9	J	13,300	J	25,400	J	13,800	J	82	U	5,640	J
1,2,4-Trimethylbenzene	58	1.2	U	1.3	U	78	U	9.0		**91,000**		**112,000**		**95,600**		82	U	1,400	U
1,3,5-Trimethylbenzene	24.8	1.1	U	1.2	U	71	U	15.2		**48,300**		**92,100**		**47,500**		75	U	1,300	U
Toluene	252	1.1	U	1.2	U	71	U	1.1	U	9,660	J	5,900	U	7,650	J	75	U	1,300	U
m,p-Xylene	82	1.2	U	1.3	U	78	U	3.6	J	**104,000**		71,000		**105,000**		82	U	1,400	U
o-Xylene	99.5	1.1	U	1.2	U	71	U	1.1	U	11,500	J	5,900	U	3,200	U	75	U	1,300	U
Semi-Volatile Organic Compounds	**mg/kg**	**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**	
2,4-Dichlorophenol	183	NS		NS		NS		42	U	40	U	140	J	41	U	41	U	41	U
2,4-Dimethylphenol	1,220	NS		NS		NS		271		73.9	J	86.2	J	120	J	41	U	41	U
3&4-Methylphenol	NV	NS		NS		NS		42	U	40	U	40	U	50.9	J	41	U	41	U
Phenol	18,300	NS		NS		NS		42	U	787		909		626		41	U	317	
2-Methylnaphthalene	NV	NS		NS		NS		119	J	40	U	40	U	41	U	41	U	41	U
Naphthalene	79.5	NS		NS		NS		368		40	U	40	U	41	U	106	J	41	U
Total Petroleum Hydrocarbons		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**	
TPH-GRO (C6-C10)	NV	93.1		3.9	U	247		43.9		**6,090**		**19,800**		**9,100**		61.1		**3,450**	
TPH-DRO (C10-C22)	NV	NS		NS		NS		771		21.1		30.8		14.3		282		8.89	J
TPH-ORO (>C22-C36)	NV	NS		NS		NS		61	U	6.1	U	7.28	J	5.9	U	30	U	6.2	U
RCRA Metals Analysis	**mg/kg**	**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**	
Arsenic	3.9	NS		NS		NS		0.52		1.7		2.4		1.4		0.23	U	1.4	
Barium	15,600	NS		NS		NS		30.6		89.6		28.7		52.9		34.5		40.5	
Cadmium	39	NS		NS		NS		0.082	J	0.25		0.46		0.20	J	0.089	J	0.21	J
Chromium	234	NS		NS		NS		2.6		8.0		12.6		5.7		4.0		6.9	
Lead	400	NS		NS		NS		95.0		15.5		42.7		29.2		39.4		15.7	
Mercury	6.11	NS		NS		NS		0.012	U	0.85		0.012	U	0.012	U	0.012	U	0.012	U
General Chemistry		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**	
Solids, Percent	NV	81.1		75.2		78.3		79.8		81.7		82.4		82.8		82.4		82.3	

Notes:
NMED = New Mexico Environment Department
RCRA = Resource Conservation and Recovery Act
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NV = No Value
NS = Not Sampled
Q = Qualifier
U = Not detected
J = Indicates an estimated value
[1]NMED, June 2006, Technical Background Document for Development of Soil Screening Levels (SSLs), Revision 4.0
[2] If results are not detected (U) then the value presented is the Method Detection Limit (MDL)
Bold value indicates analytes above NMED SSLs

Table 2-4
DPT Soil Analytical Data (August 2007)
SS-61 Soil Remediation
Voluntary Corrective Measures Work Plan Addendum
Holloman AFB, New Mexico
Bhate Project No.: 9080130

Client Sample ID:	Soil Screening Levels	SS61-DP83-15'		SS61-DP83-22'		SS61-DP84-12.5'		SS61-DP84-25'		SS61-DP85-12.5'		SS61-DP85-25'	
Lab Sample ID:	NMED	F52038-7		F52038-8		F52072-1		F52072-2		F52072-3		F52072-4	
Date Sampled:	Residential[1]	8/23/2007		8/23/2007		8/23/2007		8/23/2007		8/23/2007		8/23/2007	
Analyte		**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**
Volatile Organic Compounds	**mg/kg**	**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**	
Acetone	28,100	15,000	U	87,000	U	25	U	1,400	U	29	U	32,000	U
Benzene	10.3	**11,800**		**26,700**		1.0	U	1,110		1.2	U	**18,200**	
sec-Butylbenzene	60.6	670	U	3,800	U	1.1	U	61	U	1.3	U	1,400	U
tert-Butylbenzene	106	730	U	4,200	U	1.2	U	66	U	1.4	U	1,500	U
Carbon disulfide	460	610	U	3,500	U	1.0	U	55	U	1.2	U	1,300	U
1,1-Dichloroethylene	206	610	U	3,500	U	1.0	U	55	U	6.2		1,300	U
Ethylbenzene	128	56,200		54,700		1.0	U	181	J	1.2	U	38,200	
Hexane	38	1,100	U	**53,300**		1.8	U	99	U	2.4	J	**39,000**	
Isopropylbenzene	271	78,200		**307,000**		1.0	U	211	J	1.2	U	49,500	
Methylene chloride	182	3,100	U	17,000	U	5.1	U	505	J	16.0		6,400	U
Naphthalene	79.5	1,200	U	6,900	U	2.0	U	110	U	2.3	U	2,600	U
n-Propylbenzene	62.1	12,100		9,400	J	1.1	U	61	U	1.3	U	8,840	
1,2,4-Trimethylbenzene	58	670	U	23,400		1.1	U	61	U	1.3	U	**76,200**	
1,3,5-Trimethylbenzene	24.8	610	U	10,900	J	1.0	U	55	U	1.2	U	**36,900**	
Toluene	252	610	U	13,000	J	1.0	U	55	U	1.2	U	23,600	
m,p-Xylene	82	2,930	J	28,200	J	1.1	U	61	U	1.3	U	**103,000**	
o-Xylene	99.5	610	U	63,100		1.0	U	55	U	1.2	U	72,100	
Semi-Volatile Organic Compounds	**mg/kg**	**µg/kg**				**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**	
2,4-Dichlorophenol	183	38	U	42	U	NS		NS		NS		NS	
2,4-Dimethylphenol	1,220	38	U	42	U	NS		NS		NS		NS	
3&4-Methylphenol	NV	38	U	42	U	NS		NS		NS		NS	
Phenol	18,300	77.7	J	214		NS		NS		NS		NS	
2-Methylnaphthalene	NV	38	U	42	U	NS		NS		NS		NS	
Naphthalene	79.5	38	U	50.9	J	NS		NS		NS		NS	
Total Petroleum Hydrocarbons		**mg/kg**				**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**	
TPH-GRO (C6-C10)	NV	**5,470**		249		3.2	U	20.4		3.0	U	430	
TPH-DRO (C10-C22)	NV	17.5		6.2	U	NS		NS		NS		NS	
TPH-ORO (>C22-C36)	NV	6.13	J	6.2	U	NS		NS		NS		NS	
RCRA Metals Analysis	**mg/kg**	**mg/kg**				**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**	
Arsenic	3.9	1.4		2.2		NS		NS		NS		NS	
Barium	15,600	55.9		111		NS		NS		NS		NS	
Cadmium	39	0.37		0.35		NS		NS		NS		NS	
Chromium	234	8.2		10.2		NS		NS		NS		NS	
Lead	400	35.3		16.9		NS		NS		NS		NS	
Mercury	6.11	0.011	U	0.013	J	NS		NS		NS		NS	
General Chemistry		**%**				**%**		**%**		**%**		**%**	
Solids, Percent	NV	85.3		79.6		86.3		86.9		84.8		88.9	

Notes:
NMED = New Mexico Environment Department
RCRA = Resource Conservation and Recovery Act
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NV = No Value
NS = Not Sampled
Q = Qualifier
U = Not detected
J = Indicates an estimated value
[1]NMED, June 2006, Technical Background Document for Development of Soil Screening Levels (SSLs), Revision 4.0
[2] If results are not detected (U) then the value presented is the Method Detection Limit (MDL)
Bold value indicates analytes above NMED SSLs



bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

SS-61
DPT Boring Locations
PCS Source Area (May 2007)

PROJECT NO.	SCALE	DATE	DRAWN BY:
9080130	1"=150'	4/7/08	cm
			DRAWING NO: Figure 2-2

Voluntary Corrective Measures
Work Plan Addendum
Site SS-61

Figure 2-2

1688800.000000 1689200.000000 1689600.000000 1690000.000000

678000 677600 677200 676800 676400 676000

0 80 160 320 Feet

N

MW29-08
MW29-02
MW29-05
MW29-03
MW29-04
SS61-MW13
SS61-MW14
SS61-MW03
SS61-MW02
SS61-MW07
SS61-MW06
SS61-MW08
SS61-MW05
SS61-MW09
SS61-MW12
SS61-MW10
SS61-TMW70
SS61-TMW69
SS6-TMW67
SS61-TMW59
SS61-TMW60
SS61-TMW61
SS61-TMW62
SS61-TMW63
SS61-TMW64
SS61-TMW65

84203
1000
1001
1006
1004
1002
1003
1072
1085
1088
1083
1074
1087
1086
1080A
1089
1079
1075,1077,1082
73
1080
1071

Water Tank
Buried Pipeline
DEZONIA DRIVE

Legend

- Temporary Monitoring Well Location
- Permanent Monitoring Well Location
- Buildings
- SS-61 Site Boundary

bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

SS-61
Permanent and Temporary Montoring Well Locations

PROJECT NO.	SCALE	DATE	DRAWN BY:
9080130	1"=150'	4/7/08	cm

DRAWING NO: Figure 2-3

Voluntary Corrective Measures
Work Plan Addendum
Site SS-61

Figure 2-3

1689200.000000 1689600.000000 1690000.000000

676800.000000 676400.000000

MW-29-04 (0.5U)

SS61-MW13 (0.5U)

SS61-MW14 (2170)

SS61-MW03 (1580)

SS61-TMW70 (451)

SS61-TMW69 (2160)

SS61-TMW67 (12900)

SS61-TMW59 (333)

SS61-TMW60 (18300)

SS61-TMW61 (2930)

SS61-TMW62 (435)

SS61-TMW63 (12900)

SS61-TMW64 (1.6)

SS61-MW02 (0.79J)

SS61-MW04 (NS)

SS61-MW06 (29.1)

SS61-MW08 (0.5U)

SS61-MW05 (0.5U)

SS61-MW09 (0.5U)

DP/TMW65 (10U)

61-MW12 (0.5U)

Buried Pipeline

DEZONIA DRIVE

Groundwater Flow Direction

1085

1088

1087

1086

1080A

N

Legend

- Permanent Monitoring Well Location
- Temporary Monitoring Well Location
- Buildings
- SS-61 Site Boundary

Benzene Concentrations in Micrograms per Liter

- >15,000
- 10,000-15,000
- 5,000-10,000
- 1,000-5,000
- 500-1,000
- 250-500
- 5-250

NS Not Sampled

U Not Detected (value set at the Method Detection Limit)

0 35 70 140 210 280 Feet

Voluntary Corrective Measures
Work Plan Addendum
Site SS-61

Figure 2-4

SS-61
Groundwater Isocontour Map
(May 2007)

DRAWN BY:	cm
DRAWING NO:	figure 2-4
DATE	9/23/08
SCALE	1"=100'
PROJECT NO.	9080130

bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

Voluntary Corrective Measures
Work Plan Addendum
Site SS-61

Figure 2-5

SS-61
1,2-Dichloroethane Groundwater Isocontour Map
(May 2007)

DRAWN BY:	DATE
cm	9/23/08
DRAWING NO:	SCALE
fig2-5	1"=285'
PROJECT NO.	
9080130	

bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

1688400.000000 1688800.000000 1689200.000000 1689600.000000 1690000.000000 1690400.000000

678000.000000 677600.000000 677200.000000 676800.000000 676400.000000

MW29-01 (NS)
MW29-06 (NS)
MW29-08 (18.6)
SS61-MW01 (NS)
MW29-02 (31.1)
MW29-07 (NS)
MW29-05 (50)
MW29-03 (2.3)
MW29-04 (4.7)
SS61-MW13 (0.5U)
SS61-MW14 (5.4J)
SS61-MW03 (64)
SS61-MW02 (0.5U)
SS61-TMW59 (12.5)
SS61-TMW69 (33.2J)
SS61-TMW67 (250U)
SS61-TMW70 (2.5U)
SS61-TMW60 (93)
SS61-TMW61 (25U)
SS61-MW06 (1.6)
SS61-MW04 (NS)
SS61-TMW62 (9.3)
SS61-MW07 (0.5U)
SS61-MW08 (0.5U)
SS61-TMW63 (250U)
SS61-MW05 (0.5U)
SS61-TMW64 (0.5U)
SS61-TMW65 (10U)
DEZONIA DRIVE
1085
1088
1087
1086

Groundwater Flow Direction

Legend

- Permanent Monitoring Well Location
- Temporary Monitoring Well Location
- Buildings
- SS-61 Site Boundary

1,2 Dichloroethane (DCA)
Concentrations in Micrograms per Liter

- >100
- 50-100
- 25-50
- 10-25
- 5-10

NS Not Sampled
U Not Detected (value set at the Method Detection Limit)
J Indicates an Estimated Value

0 60 120 240 360 480 Feet

1689750.000000 1689800.000000 1689850.000000 1689900.000000 1689950.000000

676700.000000 676650.000000 676600.000000 676550.000000 676500.000000 676450.000000 676400.000000

N

DP58

Buried Pipeline

SS61-WP-20

DP59

SS61-NE-20

DP67

SS61-EP-25

SS61-NE2-26

DP60

SS61-SE-20

DP61

SS61-SE2-26

Building 1072

Parameter	Result - 14 feet	Result - 19 feet	Result - 24 feet
GRO	8,050 mg/kg	11,000 mg/kg	1,530 mg/kg
Benzene	ND	146,000 µg/kg	13,600 µg/kg
Hexane	76,100 µg/kg	149,000 µg/kg	960 µg/kg
1,2,4-Trimethylbenzene	151,000 µg/kg	182,000 µg/kg	3,590 µg/kg
1,3,5-Trimethylbenzene	76,500 µg/kg	94,300 µg/kg	ND
Toluene	289,000 µg/kg	1,030,000 µg/kg	964 µg/kg
m,p-Xylene	626,000 µg/kg	771,000 µg/kg	4,300 µg/kg
o-Xylene	230,000 µg/kg	284,000 µg/kg	2,950 µg/kg

DP62

DP63

DP64

Legend

- Excavation Sidewall Samples
- DPT Sample Locations (May 2007)
- Excavation Area
- Former Underground Fuel Pipeline
- µg/kg — Micrograms per Kilogram
- mg/kg — Milligrams per Kilogram
- ND — Not Detected
- GRO — Gasoline Range Organics

* Red concentrations exceed the NMED SSLs

0 12.5 25 50 Feet

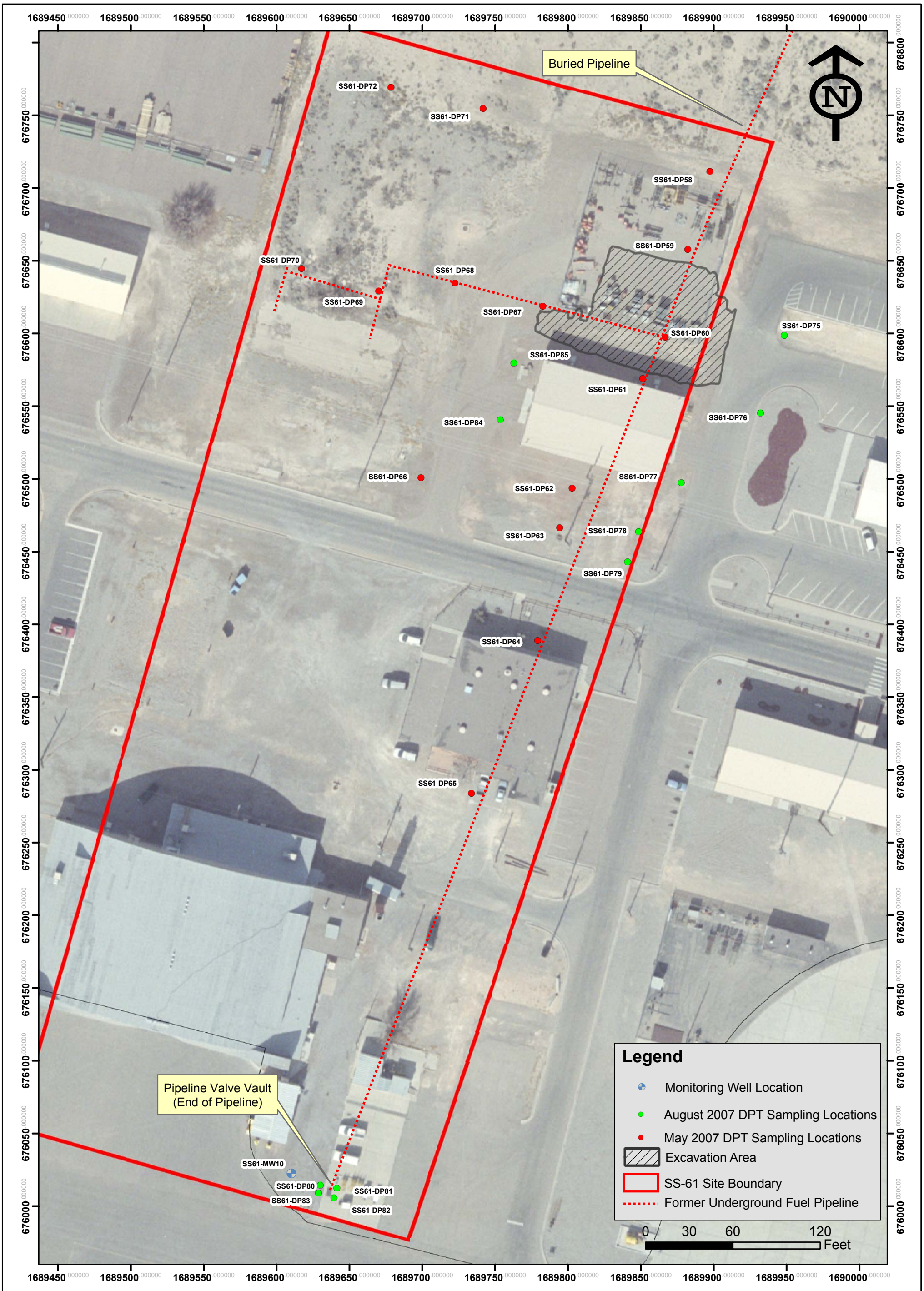
bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

SS-61
Petroleum Contaminated Soil Excavation Boundary

PROJECT NO.	SCALE	DATE	DRAWN BY:	DRAWING NO:
9080130	1"=25'	9/23/08	cm	Figure 2-6

Voluntary Corrective Measures
Work Plan Addendum
Site SS-61

Figure 2-6



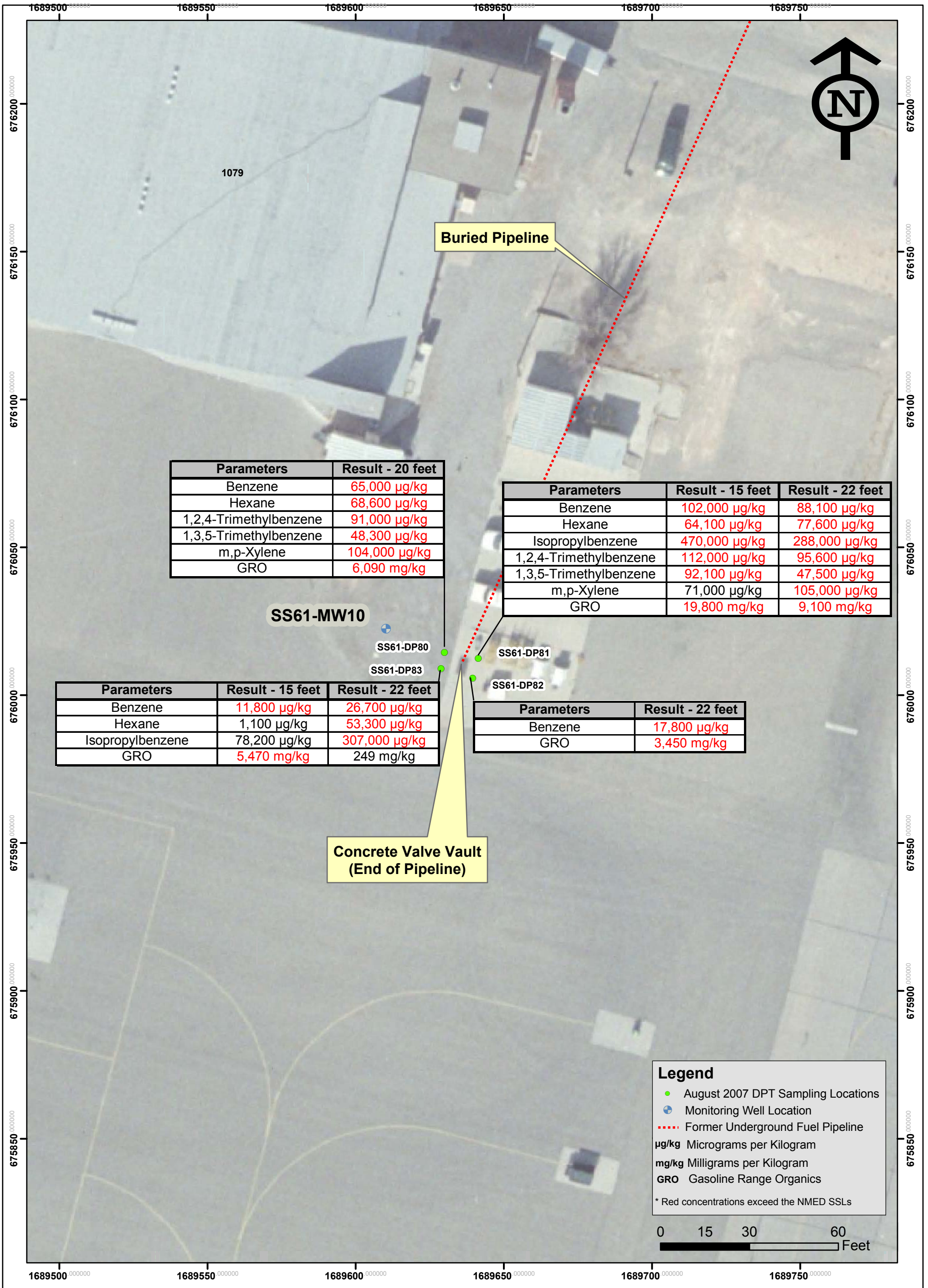
bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

SS-61
DPT Boring Locations
(May and August 2007)

PROJECT NO.	SCALE	DATE	DRAWN BY:	cm
9080130	1"=60'	9/23/08	DRAWING NO:	Figure 2-7

Voluntary Corrective Measures
Work Plan Addendum
Site SS-61

Figure 2-7



bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

SS-61
Soil Analytical Results
(Valve Vault Area)

PROJECT NO.	SCALE	DATE	DRAWN BY:
9080130	1"=30'	9/23/08	cm

DRAWING NO: Figure 2-8

Voluntary Corrective Measures
Work Plan Addendum
Site SS-61

Figure 2-8

HTW DRILLING LOG

HOLE NO. DP-58

SHEET 1 OF 2 SHEETS

1. COMPANY NAME: Shaw	2. DRILLING CONTRACTOR: ESN
3. PROJECT: 5561	4. LOCATION: DP 58
5. NAME OF DRILLER: Chad Grubbs	6. MANUFACTURER'S DESIGNATION OF DRILL: PowerProbe 9600
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: Power Pro 9600; 3 1/4-in OD w/ 2-inch plastic sleeve MS2-5	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 5/7/07 — 11. DATE COMPLETED: 5/7/07
12. OVERBURDEN THICKNESS	15. DEPTH GROUNDWATER ENCOUNTERED
13. DEPTH DRILLED INTO ROCK	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED
14. TOTAL DEPTH OF HOLE: 20 ft bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES			
20. SAMPLES FOR CHEMICAL ANALYSIS	**VOC**	**RCRA METALS**	**OTHER (SPECIFY)**	**OTHER (SPECIFY)**	**OTHER (SPECIFY)**	**21. TOTAL CORE REC %**
1	X	X	X	TPH X		
22. DISPOSITION OF HOLE	**BACKFILLED**	**MONITORING WELL**	**OTHER (SPECIFY)**	**23. SIGNATURE OF INSPECTOR**		
Bentonite Grout	X			JHillow		

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	0-5 ft bgs Silty Sand (SM) v f. grained, well sorted qtz, subrounded dry no odor. light pale brown 10YR 8/3	0-5' bgs PID = 0.0 ppm				
	1						
	2						
	3						
	4						
	5						

PROJECT: 5561

HOLE NO. DP-58

HTW DRILLING LOG

HOLE NO. DP58

PROJECT SS61

INSPECTOR F Moore

SHEET 2 OF 2 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	5	5-8 ft bgs Silty Sand w/ increasing gravel sand content U.f. gr. Sub rounded well sorted loose dry lt. reddish brown 2.5 YR 7/3	5-10' bgs PID= 0.2 ppm				
	8	8-10 same as above dry no odor					
	10	10-13 - clay sand mix (SC) sl. plastic, caliche, hard reddish brown v.s.l. moist	13 ft bgs = 0.5 ppm PID				
	14	13-16 ft bgs. Silty sand (SM) w/ caliche mottled red/white sl. moist	16 ft PID= 0.0 ppm		SS61-DP58-18		(1145)
	16	16-18 Silty Sand sl. moist same as above white					
	18	18-20 Silty Sand mottled red/white sl. moist (SM)	18 ft PID 0.0				
	20	Note: No Temp monitoring well, No PID readings above 50 ppm, No PCS collected one soil sample at the capilary fring. 18 ft bgs					
	22						
	24						
	26						
	28						
	30						

PROJECT SS61

HOLE NO. DP-58

HTW DRILLING LOG

HOLE NO: DP59

1. COMPANY NAME: Bhate - SS61	2. DRILLING CONTRACTOR: ESN
SHEET 1 OF 2 SHEETS	
3. PROJECT: SS61	4. LOCATION: DP-59
5. NAME OF DRILLER: Chad Grubbs	6. MANUFACTURER'S DESIGNATION OF DRILL: Power Probe
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: OD 3¼ inch SFT stainless steel w/ 2 inch plastic tube inserts	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 5/7/07 — 11. DATE COMPLETED: 5/7/07
12. OVERBURDEN THICKNESS	15. DEPTH GROUNDWATER ENCOUNTERED
13. DEPTH DRILLED INTO ROCK	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED
14. TOTAL DEPTH OF HOLE: 24.75 ft bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES

20. SAMPLES FOR CHEMICAL ANALYSIS: 2	VOC	RCRA METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
	X	X	SVOCs X	TPH X		

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Temp MW 1-inch prepack		X		JH Moore

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	0-5 ft bgs Silty sand (SM) V. f. gr. sub rounded fine grains, well sorted loose dry no odor light pale brown 10YR 8/3	PID @ 5 ft bgs = 0.0 ppm				80% recovery
	1						
	2						
	3						
	4						
	5						

PROJECT: SS61 — HOLE NO: DP59

HTW DRILLING LOG

HOLE NO. DP-59

PROJECT 5561 | INSPECTOR J. Moore | SHEET 2 OF 2 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	5	5-10 ft. silty sand (sm) v. f. gr. qtz, subangular well sorted qtz grns dry light reddish brown 2.5YR 7/3	PID @ 10 ft bgs = 0.1 ppm				
	10	10-15 silty sandy clay(cl) w/ minor gypsum crystal, stiff hard v. sl. moist reddish brown	PID @ 15 ft bgs = 0.4 ppm				
	15	15-17.5' silty sand (sm) v. f. gr. qtz. sl. moist	PID @ 17 ft bgs = 0.0 ppm		5561-DP59-17 (1240)		
	17.5	17.5-20' bgs ~~mottled red/tan~~ silty sand v.f. gr. qtz sl. moist to moist white	PID @ 20 ft bgs				
	20	20-24.5 ft bgs same as above					
	22.5	24.5-25 silty sand (sm) PCS odor gray moist	PID @ 22.5 ft. bgs 0.9 ppm				
	25	TD @ 25 ft. bgs ~~Silty~~ Installed Temp MW	PID @ 25 ft bgs 13.8 ppm		5561-DP59-25 (1310)		
	30						

PROJECT 5561 | HOLE NO. DP-59

HTW DRILLING LOG

HOLE NO. DP60
SHEET 1 OF 2 SHEETS

1. COMPANY NAME: Bhate	2. DRILLING CONTRACTOR: ESN
3. PROJECT: 5561	4. LOCATION: DP60
5. NAME OF DRILLER: Chad Grubbs	6. MANUFACTURER'S DESIGNATION OF DRILL: POWER PROBE 9600
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: 3 1/4-inch OD SFT stainless steel w/ 2-inch plastic sleeve inserts	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 5/7/07 — 11. DATE COMPLETED: 5/7/07
12. OVERBURDEN THICKNESS	15. DEPTH GROUNDWATER ENCOUNTERED
13. DEPTH DRILLED INTO ROCK	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED
14. TOTAL DEPTH OF HOLE: ~25 ft bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES

20. SAMPLES FOR CHEMICAL ANALYSIS: 3	VOC	RCRA METALS	OTHER (SPECIFY): SVOCs	OTHER (SPECIFY): TPH	OTHER (SPECIFY)	21. TOTAL CORE REC %
	X	X	X	X		

22. DISPOSITION OF HOLE: Temp MW 1-inch pre pack	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR: JH Moore
		X		

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	0-5 ft Silty sand (SM) v. f. gr. subangular qtz grains, subangular well sorted moist (due to adjacent leaking water line) lt. pale brown 2.5YR 7/3.	PID @ 5 ft bgs: 0.0 ppm				
	1						
	2						
	3						
	4						
	5						

PROJECT 5561 HOLE NO DP60

HTW DRILLING LOG

HOLE NO. DP60

PROJECT 5561 | INSPECTOR Jim Moore | SHEET 2 OF 2 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	5	5-10 ft bgs silty sand (SM) v. fine gr qtz. subangular, well sorted loose, v. sl. moist lt. brownish red.	5-10 ft bgs PID = 0.0 ppm				
	10	10-15.0 contact w/ PCS at Approx. 12 ft strong petrochemical odor (AVGAS)	10-12.5 ft bgs PID = 1013 ppm				
	12	silty sand (SM) v. f. gr sl. moist. v. f. gr. med dense reddish gray	12.5-15 ft bgs PID = 1780 ppm		5561-DP60-14		(1410)
	14	15-17.5 Plugged up sample tube same as above very strong odor (AVGAS)	15-17.5 bgs PID = 1672 ppm				
	16	17.5-20 silty sand (SM) v. gr. qtz, sub ang sl moist very strong odor	17.5-20 ft bgs PID = 1420 ppm		5561-DP60-19		(1430)
	18	20-22.5 - same as above w/ increasing gray staining	20-22.5 ft bgs PID = 1104 ppm				
	20	22.5-25 same as above w intense gray staining and strong odor	22.5-25 ft bgs PID = 1254 ppm		5561-DP60-24		(1450)
	22	Installed Temp MW					
	24						
	26						
	28						
	30						

PROJECT 5561 HOLE NO. DP60

HTW DRILLING LOG

HOLE NO. DP61
SHEET 1 OF 2 SHEETS

1. COMPANY NAME: Bhate	2. DRILLING CONTRACTOR: ESN
3. PROJECT: SS61	4. LOCATION: DP61
5. NAME OF DRILLER: Chad Grubs	6. MANUFACTURER'S DESIGNATION OF DRILL: Power Probe 9600
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: 3¼-inch OD 5 ft Stainless steel w/ 2-inch plastic sleeve inserts	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 5/7/07 — 11. DATE COMPLETED: 5/7/07
12. OVERBURDEN THICKNESS	15. DEPTH GROUNDWATER ENCOUNTERED: ~ 19 ft bgs
13. DEPTH DRILLED INTO ROCK	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED
14. TOTAL DEPTH OF HOLE: ~ 25 ft	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
N/A			

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	RCRA METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
2	X	X	SVOCs X	TPH X		

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Temp MW		X		JH Moore

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	0-5 ft bgs Silty Sand (SM) v. f. gr. qtz grains subrounded well Sorted loose, dry lt. reddish brown	0-5 ft bgs PID = 2.3 ppm				
	1						
	2						
	3						
	4						
	5						

PROJECT SS61 HOLE NO. DP61

HTW DRILLING LOG

HOLE NO. DP61

PROJECT SS61 | INSPECTOR Jim Moore | SHEET 2 OF 2 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	5	5-10 ft bgs Silty sand (sm) V f. gr. qtz, subrounded well sorted, loose dry lt. reddish Brown	5-10 ft bgs PID = 0.5 ppm				
	10	10-12.5 ft. bgs same as above yellowish red dry v. sl. damp	10-12.5 ft bgs PID = 0.7 ppm				
	12.5	12.5-15 ft bgs silty Sand (sm) sl. moist	12.5-15 ft bgs PID = 0.3 ppm				
	15	15-17.5 ft bgs Silty sand moist at 17.5 ft bgs	15-17.5 ft bgs PID = 6.9 ppm		SS61-DP61-17 (1600)		
	17.5	17.5-20 = SAA w/ Petro oder					
	20	20-22.5 Silty sand mottled gray reddish brown petro odor increasing	20-22.5 ft bgs PID = 36.6 ppm				
	22.5	22.5-25 Sand (SP) well sorted f gr. qtz. gray w/ Petro oder TD @ 25.0 ft bgs Convert bh into Temp mw	22.5-25 ft bgs PID = 200 ppm		SS61 DP61-24 (1630)		
	25						
	30						

PROJECT SS61 | HOLE NO. DP61

HTW DRILLING LOG

HOLE NO. DP62

SHEET 1 OF 2 SHEETS

1. COMPANY NAME: Bhate	2. DRILLING CONTRACTOR: ESN
3. PROJECT: 5561	4. LOCATION: DP62
5. NAME OF DRILLER: Chad Crabbs	6. MANUFACTURER'S DESIGNATION OF DRILL: Power Pro 9600
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: 3 1/4-inch OD 5ft Stainless steel tube w/ 2 inch OD plastic sleeve inserts	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 5/8/07 — 11. DATE COMPLETED: 5/8/07
12. OVERBURDEN THICKNESS	15. DEPTH GROUNDWATER ENCOUNTERED: ~20.75 ft (14.25 ft bgs @ 5561 mw c)
13. DEPTH DRILLED INTO ROCK	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED
14. TOTAL DEPTH OF HOLE: 22 ft bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA			

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	RCRA METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
2 + Dupe	X	X	SVOCs X	TPH X		

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Temp MW 1-inch pre pack		X		JH Moore

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	0-5 ft bgs Silty sand (SM) v. f. grained qtz sub rounded, well sorted med dense, dry / sl. moist Pale Brown 10YR 8/3	0-5 ft bgs PID = 0.0 ppm				
	1						
	2						
	3						
	4						
	5						

PROJECT 5561 HOLE NO. DP62

HTW DRILLING LOG

HOLE NO. DPG2

PROJECT SSG1

INSPECTOR Jim Moore

SHEET 2 OF 2 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	5	5-10 ft bgs silty sand/sand (sm/sp) v. f. gr. qtz subangular, well sorted mod dense dry pinkish white 5YR 8/2	5-10 ft bgs PID = 0.0 ppm				
	10	10.0-12.5 ft silty sand (sm) lt. gry sl. moist	10-12.5 ft bgs PID = 0.0 ppm		SSG1-DPG2-13'		(930)
	15	12.5-15 ft bgs silty sand w/ clay (sc) lt. gry sl. moist no odor	12.5-15 ft bgs PID = 0.0 ppm				
		15.0-17.5 ft bgs clayey silty sand (sc) reddish brown sl. moist	15-17.5 ft bgs PID = 0.0 ppm				
	20	17.5-20 ft bgs clayey silt/sand (sc) stiff sl. moist No odor reddish brown	17.5-20 ft bgs PID = 0.9 ppm				
		20-22 ft bgs silty sand (sc) stiff gray w/ petro odor TD @ 22 installed Temp MW	20-22 ft bgs PID = 1171 ppm		SSG1-DPG2-21		(945)
					SSG1-DPG2-21-a (duplicate)		(945)

PROJECT SSG1 HOLE NO. DPG2

HTW DRILLING LOG

HOLE NO. DP63

SHEET 1 OF 2 SHEETS

1. COMPANY NAME: Bhate	2. DRILLING CONTRACTOR: ESN
3. PROJECT: 5561	4. LOCATION: DP63
5. NAME OF DRILLER: Chad Grubbs	6. MANUFACTURER'S DESIGNATION OF DRILL: Power Pro 9600
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: 3¼-inch OD 5ft stainless steel tubi w/ 2 inch OD sleeve inserts	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 5/8/07 — 11. DATE COMPLETED: 5/8/07
12. OVERBURDEN THICKNESS	15. DEPTH GROUNDWATER ENCOUNTERED: ~14.75
13. DEPTH DRILLED INTO ROCK	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED
14. TOTAL DEPTH OF HOLE: 24 ft bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA			

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	RCRA METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
2	X	X	SVOCs X	TPH X		

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Temp MW 1-Inch		X		JH Moore

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	0-5 ft bgs Silty sand (SM) v. fine grained subangular, well sorted, med stiff, sl moist (due to adjacent water line) Pale Brown 10YR 8/3	0-5 ft bgs PID = 0.0 ppm				
	1						
	2						
	3						
	4						
	5						

HTW DRILLING LOG

HOLE NO. DP63

PROJECT 5561

INSPECTOR J Moore

SHEET 2 OF ~~2~~ SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	5	5-10 ft bgs silty sand/sm sand (SP) f.v. gr. qtz subangular, well sorted, loose, dry pinkish white 5YR 8/2 (No odor)	5-10 ft bgs PID = 0.0 ppm				
	6						
	8						
	10	10-12 ft bgs - silty sand (sm) lt. gray No odor	10-12 ft bgs PID = 0.0 ppm				
	12	12-15 ft bgs silt+sand (sm) reddish brown faint petro odor; sl. moist	12-15 ft bgs PID = 24.2 ppm				
	14						
	15	15-17.5 silty sand sm SAA w/ faint odor	15-17.5 ft bgs PID = 35.4		5561-DP63-15 (1045)		
	16						
	17.5	17.5-20 ft bgs	17.5-20 ft bgs				
	18	Silty sand (Sm) reddish brown w/ petro odor	PID = 35.6				
	20	20-22.5 ft bgs Silty sand (sm) gray w/ strong petro odor	20-22.5 PID = 1500		5561-DP63-21 (1100)		
	22	22.5-24 ft bgs	22.5-24				
	24						
		TD @ 24 ft bgs Installed Temp MW					
	26						
	28						
	30						

PROJECT 5561

HOLE NO. DP63

HTW DRILLING LOG

HOLE NO: DP64
SHEET 1 OF 2 SHEETS

1. COMPANY NAME: Bhate	2. DRILLING CONTRACTOR: ESN
3. PROJECT: 5561	4. LOCATION: DP64
5. NAME OF DRILLER: Chad Grabbs	6. MANUFACTURER'S DESIGNATION OF DRILL: Power Pro 9600
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: 3.25 inch OD 5ft Stainless Steel tube w/ 2 in OD plastic sleeve inserts	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 5/8/07 — 11. DATE COMPLETED: 5/8/07
12. OVERBURDEN THICKNESS: 5561 MWS water @ 12.75 ft bgs	15. DEPTH GROUNDWATER ENCOUNTERED
13. DEPTH DRILLED INTO ROCK	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED
14. TOTAL DEPTH OF HOLE	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA			

20. SAMPLES FOR CHEMICAL ANALYSIS: 2	VOC	RCRA METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
	X	X	SVOCs X	TPH X		

22. DISPOSITION OF HOLE: Ten	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR: J. Moore

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	0-5 ft bgs - silty sand (SM) v. f. gr. qtz subangular well sorted loose dry no odor 2.5Y 7/4 Pale yellow	0-5 ft bgs PID = 0.0 ppm				
	1						
	2						
	3						
	4						
	5						

PROJECT: 5561 HOLE NO: DP64

HTW DRILLING LOG

HOLE NO DP64
SHEET 2 OF 2 SHEETS

PROJECT 5561

INSPECTOR J. Moore

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	5	5-10 ft bgs Silty Sand (SM)	5-10 ft bgs				
	6	1 f. gr qtz, subangular	PID =				
	8	loose, dry reddish brown					
		No odor					
	10	10-12.5 silty sand (SM)	10-12.5' bgs				
		mottled lt. gray reddish brown	PID = 0.0				
	12	No odor					
		12.5-15 silty sand (SM)	12.5-15 ft bgs				
	14	lt. gray NO odor sl. moist	PID = 0.0 ppm		5561-DP64-13 (1210)		
		capillary fringe					
		15-17.5' bgs clayey	15-17.5 ft bgs				
	16	Silty sand (SC)	PID = 0.0 ppm				
	18	med dense, stiff,					
		plastic, sl. moist lt brown					
		17.5-20 (SC) SAA	17.5-20 ft bgs				
	20	20-22.5 silty sand (SM)	PID = 0.2 ppm				
		red/brown v. faint odor	20-22.5 ft bgs				
	22	v. sl. moist	PID = 3.6 ppm				
		22.5-25 silty sand (SM)	22.5-25 ft bgs		5561-DP64-24 (1230)		
	24	Gray strong petro odor	PID = 1236 ppm				50% recovery
		TD @ 25					
	26	(install Temp MW)					
		Note: 50% recovery					
	28	lost ~ 1-2 ft in bh					
		∴ TD @ ~ 23 ft bgs					
	30						

PROJECT 5561

HOLE NO. DP64

HTW DRILLING LOG

HOLE NO. DP65
SHEET 1 OF 2 SHEETS

1. COMPANY NAME: Bhate	2. DRILLING CONTRACTOR: ESN
3. PROJECT: SS61	4. LOCATION: DP65
5. NAME OF DRILLER: Chad Grubbs	6. MANUFACTURER'S DESIGNATION OF DRILL: Power Probe 9600
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: 3.25 in OD 5 ft stainless steel tubes w/ 2 in OD plastic sleeve inserts	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 5/8/07 — 11. DATE COMPLETED
12. OVERBURDEN THICKNESS	15. DEPTH GROUNDWATER ENCOUNTERED: ~
13. DEPTH DRILLED INTO ROCK	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED
14. TOTAL DEPTH OF HOLE: ~ 22.5 ft bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA			

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	RCRA METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
2	X	X	SVOCs X	TPH X		

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Temp mw 1-inch		X		JH Moore

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	0-5 ft bgs Backfill/ road base (adjacent to driveway) silty sand w/ gravel mix no odor	0-5 ft PID = 0.0 ppm				Poor recovery ~ 50%
	1						
	2						
	3						
	4						
	5						

PROJECT: SS61 HOLE NO: DP65

HTW DRILLING LOG

HOLE NO. DP65

PROJECT 5561 | INSPECTOR Jim Moore | SHEET 2 OF 2 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	5	5-10 ft bgs: silty sand (sm) v f. gr. qtz, subangular, well sorted, med dense dry v. sl. damp light reddish brown 2.5YR 7/3 No odor	5-10' PID = 0.0 ppm				
	10	10-12.5 ft bgs silty sand (sm) SAA w/ moisture wet @ ~ 12 ft No odor	10-12.5' PID = 0.0 ppm		5561-DP65-11		(1430)
	14	12.5-15 ft silty sand (sm) lt gray/red brown No odor	12.5-15' PID = 0.0				
	16	15-17.5' silty sand (sm) w/ minor caliche dry mottled gray/red no odor	15-17.5' PID = 0.0				
	18	17.5-20 ft silty sand (sm) gray strong petro odor wet	17.5-20 PID = 209 ppm		5561-DP65-19		(1445)
	20	20-22.5 ft bgs clayey silty sand (sc) w/ gypsum crystals stiff plastic less gray mostly reddish brown sl. moist	20-22.5 PID = 182 ppm				
	24	TD @ 22.5 ft bgs set temporary well					
	26						
	28						
	30						

PROJECT 5561 HOLE NO. DP65

HTW DRILLING LOG

HOLE NO: DP66
SHEET 1 OF 2 SHEETS

1. COMPANY NAME: Shate	2. DRILLING CONTRACTOR: ESN
3. PROJECT: 5561	4. LOCATION: DP66
5. NAME OF DRILLER: Chad Grubbs	6. MANUFACTURER'S DESIGNATION OF DRILL: Power Pro 9800
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: 3.25 inch OD SS tube w/ 2 inch plastic sleeve inserts	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 5/8/07 — 11. DATE COMPLETED: 5/8/07
12. OVERBURDEN THICKNESS: water level @ 5561-MW6 = 14.25	15. DEPTH GROUNDWATER ENCOUNTERED: ~
13. DEPTH DRILLED INTO ROCK	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED
14. TOTAL DEPTH OF HOLE: 20 ft	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA			

20. SAMPLES FOR CHEMICAL ANALYSIS: 2	VOC	RCRA METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
	X	X	SVOC X	TPH X		

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Back fill w/ granular bentonite	X			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	0-5 ft bgs Silty sand (SM) V.f. gv. qtz subangular V. well sorted, loose, dry Pale Brown 10YR 8/3 No odor.	0-5 ft PID = 0.0 ppm				
	1						
	2						
	3						
	4						
	5						

PROJECT: 5561 HOLE NO: DP66

HTW DRILLING LOG

HOLE NO. DP66

PROJECT 5561

INSPECTOR Jim Moore

SHEET 2 OF 2 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	5	5-10 Silty sand (sm) V. f. gr. qtz grains. Subangular, well sorted med. dense, dry lt. reddish brown no odor	5-10' PID = 0.0 ppm				
	10	10-12 SILTY SAND (sm) white/lt gray sl. moist no odor	10-12' PID = 0.0 ppm				
	12	12-15 Silty sand (sm) no odor V. f. gr. qtz lt. reddish brown	12-15' PID = 0.0 ppm		5561-DP66-13 (1610) w/ MS/MSD (triple volume)		
	15	15-17.5 (sm) same as above sl. moist	15-17.5' PID = 1.1 ppm				
	17.5	17.5-20 silty sand (sm) V. f. gr. qtz, subangular well sorted gray w/ petro odor	17.5-20 PID = 109 ppm		5561-DP66-20 (1640)		
	20	TD @ 20 ft refusal No Temp well backfill w/ granular bentonite					

PROJECT 5561

HOLE NO. DP66

HTW DRILLING LOG

HOLE NO: DP67

1. COMPANY NAME: Bhate	2. DRILLING CONTRACTOR: ESN
SHEET 1 OF 2 SHEETS	
3. PROJECT: 5561	4. LOCATION: DP67
5. NAME OF DRILLER: Chad Grubbs	6. MANUFACTURER'S DESIGNATION OF DRILL: Power Pro 9600
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: 3¼ OD Stainless steel drill rods w/ 2 in plastic sleeve inserts	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 5/9/07 — 11. DATE COMPLETED: 5/9/07
12. OVERBURDEN THICKNESS	15. DEPTH GROUNDWATER ENCOUNTERED: ~ 21.6 (& rising)
13. DEPTH DRILLED INTO ROCK	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED
14. TOTAL DEPTH OF HOLE: 22.5 ft bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA			

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
1	X	X	SVOCs X	TPH X		

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Temp MW 1-inch		X		J H Moore

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	0-5 ft bgs Silty sand (SM) v.f. gr. qtz, subangular, well sorted, loose, dry lt. pale brown 10YR 8/3 No odor	0-5 ft PID = 0.0 ppm				
	1						
	2						
	3						
	4						
	5						

HTW DRILLING LOG

HOLE NO. DP67
SHEET 2 OF 2 SHEETS

PROJECT 5561

INSPECTOR J. Moore

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	5	5-10ft bgs silty sand/sand (sm/SP) v. fine grained qtz Subangular, well sorted, med dense dry lt. reddish brown 2.5YR 7/3	5-10' PID = 0.0 ppm				
	10	10-12 ft silty sand (sm) damp/sl. moist No odor	10-12' PID = 0.0 ppm				
	12	12-15 ft bgs silty sand (sm) w/ minor clay (sc) sl. moist no odor	12-15' PID = 0.0 ppm				
	15	15-17.5 ft bgs silty sand damp/sl. moist gray/brown faint petro odor	15-17.5 PID = 34 ppm		5561-DP67-17 (0845)		
	18	17.5-20 sand (SP) f. gr. qtz, well sorted damp/moist faint odor	17.5-20 PID = 26 ppm		5561-DP67-17-a (0845) (duplicate)		
	20	20-22.5 silty sand (sm) reddish brown sl. moist faint petro odor	20-22.5 PID = 33 ppm				
	22	TD@ 22.5 ft bgs set temp well					
	25						
	30	Note water @ 13.8 ft bgs TMW61 13.75 @ TMW60					

PROJECT 5561

HOLE NO. DP67

HTW DRILLING LOG

HOLE NO: DP68
SHEET 1 OF 2 SHEETS

1. COMPANY NAME: Bhate	2. DRILLING CONTRACTOR: ESN
3. PROJECT: 5561	4. LOCATION: SS68
5. NAME OF DRILLER: Chad Grubs	6. MANUFACTURER'S DESIGNATION OF DRILL: Power Probe
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: 3.25 inch stainless steel core barrel w/ 2 inch plastic sleeve liners	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 5/9/07 — 11. DATE COMPLETED: 5/9/07
12. OVERBURDEN THICKNESS	15. DEPTH GROUNDWATER ENCOUNTERED: ~15 ft bgs
13. DEPTH DRILLED INTO ROCK	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED
14. TOTAL DEPTH OF HOLE: 22.5 Ft bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA			

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	RCRA METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
1	X	X	SVOCs X	TPH X		

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
backfill w/ bentonite	X			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	0-5 ft bgs silty sand (SM) v.f. gr. qtz, subangular, well sorted loose, dry brown no odor	0-5 ft PID=0.0 ppm				
	1						
	2						
	3						
	4						
	5						

HTW DRILLING LOG

HOLE NO. DP68
SHEET 2 OF 2 SHEETS

PROJECT 5561
INSPECTOR Jim Moore

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	5	5-10 ft bgs silty sand (SM)/ SAND (SP) v.f. gr. qtz, subangular, well sorted loose/med dense dry lt. reddish brown 2.5YR 7/3 (No odor)	5-10' PID = 0.0 ppm				
	10	10-12.5 silty sand (SM) mottled gray/red brown sl. moist/no odor	10-12.5 PID = 0.0 ppm				
	12	12.5-15 silt sand (SM) reddish brown moist@14' (No odor)	12.5-15 PID = 0.0 ppm				
	14	15-17.5 silty sand (SM) moist, gray w/ Petro odor	15-17.5 PID = 25.3 ppm				
	16	17.5-20 silty sand (SM) gray petro odor faint	17.5-20 PID = 30.2 ppm		5561-DP68-19 (1015)		
	18	20-22.5 silty sand gray/reddish brown TD @ 22.5 ft bgs (No Temp MW)	20-22.5 PID = 20.5 ppm				
	20						
	22						
	24						
	26						
	28						
	30						

HTW DRILLING LOG

HOLE NO: DP69

1. COMPANY NAME: Bhate	2. DRILLING CONTRACTOR: ESN
3. PROJECT: 5561	4. LOCATION: DP69
5. NAME OF DRILLER: Chad Grubbs	6. MANUFACTURER'S DESIGNATION OF DRILL: Power Probe 9600
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: 3.25 inch stainless steel Core barrel w/ 2 in plastic sleeve inserts	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 5/9/07 — 11. DATE COMPLETED: 5/9/07
12. OVERBURDEN THICKNESS	15. DEPTH GROUNDWATER ENCOUNTERED
13. DEPTH DRILLED INTO ROCK	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED
14. TOTAL DEPTH OF HOLE	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	RCRA METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
1	X	X	SVOCs X	TPH X		

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Temp MW 1-inch		X		JH Moore

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	0-5 ft bgs, silty sand (SM) w/ gravel/road base @ 0-1'	0-5 ft PID = 0.0 ppm				
	1	f.gr. qtz, subangular well sorted loose dry brown (No odor)					
	2						
	3						
	4						
	5						

PROJECT: 5561 HOLE NO: DP69

HTW DRILLING LOG

HOLE NO. DP69

PROJECT 5561

INSPECTOR J Moore

SHEET 2 OF 2 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	5	5-10 ft bgs silty sand (sm) v. f. gr. qtz, subangular well sorted med dense, dry lt. reddish brown 2.5YR 7/3	5-10 ft PID = 0.0 ppm				
	10	10-12.5 silty sand (sm) lt. gray sl. moist no odor	10-12.5 PID = 0.0 ppm				
	12	12.5-15 ft silty sand (sm) reddish brown sl. moist. No odor	12.5-15 PID = 0.0 ppm				
	14	15-17.5 ft silty sand (sm) gray/red brown sl. moist w/ petro odor	15-17.5 PID = 317 ppm		5561-DP69-15 (1100)		
	16				5561-DP69-15a (1100) Duplicate		
	18	17.5-20 ft silty sand same as above v. faint petro odor	17.5-20 PID = 4.1 ppm				
	20	20-22.5 ft silty sand SAA faint petro odor w/ gypsum xtals	20-22.5 PID = 1250 ppm Note: due to extreme expansion unable to extract plastic sleeve from core barrel				
	22	TD @ 22.5 ft bgs					
	24	installed TMW69					
	26						
	28						
	30						

PROJECT 5561

HOLE NO. DP69

HTW DRILLING LOG

HOLE NO. DP-70

1. COMPANY NAME: Blute	2. DRILLING CONTRACTOR: ESN
3. PROJECT: SS61	4. LOCATION: DP 70
5. NAME OF DRILLER: Chad Grubbs	6. MANUFACTURER'S DESIGNATION OF DRILL: Power Probe 9600
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: 3.25 inch stainless 5' Steel core barrel w/ 2-inch plastic sleeve inserts	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 5/9/07 — 11. DATE COMPLETED: 5/9/07
12. OVERBURDEN THICKNESS	15. DEPTH GROUNDWATER ENCOUNTERED: ~11.5 ft bgs
13. DEPTH DRILLED INTO ROCK	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED
14. TOTAL DEPTH OF HOLE: 16.5 ft bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
N4			

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	PCB/METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
1	X	X	SVOCs X	TPH X		

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Set shallow Temp well 1 inch		X		

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	0-5 ft bgs silty sand (sm) v. f. gr. qtz subangular, wellsorted, med dense, dry. lt pale brown 2.5YR 7/3 No odor	0-5 PID = 0.0 ppm				
	1						
	2						
	3						
	4						
	5						

PROJECT SS61 HOLE NO DP70

HTW DRILLING LOG

HOLE NO. DP-70

PROJECT 5561

INSPECTOR Jim Moore

SHEET 2 OF 2 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	5	5-10 ft bgs silty sand (sm) v. f. gr. qtz subangular, well sorted, med dense dry light reddish brown (NO odor) 2.5YR 7/3	5-10 PID = 0.0 ppm				
	10	10-12.5 silty sand (sm) getting wet @ 11.5 NO odor	10-12.5 PID = 0.0				
	12	12.5-15 silty sand reddish brown	12.5-15 PID = 0.0				
	14			PID =			
		15-16.5 - caliche dk gray (sm) strong odor	15-16.5 = PID.	1573 ppm	5561-DP70-16 (1315)		
	16	TD @ 16.5 bit refusal					
	18	Set shallow MW screen 2 16.5-6.5					
	20						
	22						
	24						
	26						
	28						
	30						

PROJECT 5561

HOLE NO. DP70

HTW DRILLING LOG

HOLE NO. DP71

SHEET 1 OF 2 SHEETS

1. COMPANY NAME: Bhate	2. DRILLING CONTRACTOR: ESN
3. PROJECT: SS61	4. LOCATION:
5. NAME OF DRILLER: Chad Grubbs	6. MANUFACTURER'S DESIGNATION OF DRILL: Power Probe 9600
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: 3.25 inch OD stainless steel 5' core barrel w/ 2 inch plastic sleeve inserts	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD):
	10. DATE STARTED: 5/9/07 — 11. DATE COMPLETED: 5/9/07
12. OVERBURDEN THICKNESS:	15. DEPTH GROUNDWATER ENCOUNTERED: NA
13. DEPTH DRILLED INTO ROCK:	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED:
14. TOTAL DEPTH OF HOLE: 16.5 ft bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY):

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES: Geotech analyses SG, FOC, Moist. Content, Bulk density
1		X	

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	RCRA METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
	X	X	SVOCs X	TPH		

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	X			JA Moore

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	0-5 ft bgs silty sand (SM) v. f. gr. quartz, subangular, well sorted med dense/dense dry light pale brown 10 YR 8/3 no odor	0-5 ft PID =				
	1						
	2						
	3						
	4						
	5						

PROJECT: SS61 HOLE NO: DP71

HTW DRILLING LOG

HOLE NO. DP71

PROJECT 5561

INSPECTOR Jim Moore

SHEET 2 OF 2 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	5-10 Silty sand (SM) V. f gr. qtz sand, sub angular, dense lt. brown dry (no odor)	PID = 0.0 ppm 5-10'				
	10	10-12.5 Silty sand (SM) dense dry lt. brown no odor	10-12.5 PID = 0.0 ppm		5561-DP71-10 (1410) Geotechn. sample		
	12	12.5-15 silty sand (SM) V. dense beige no odor	12.5-15 PID = 0.0 ppm				
	14	15-17.5 clayey silt sand (SC) extremely dense reddish brown	15-17.5 PID = 2.7 ppm		5561-DP71-17 (1500) MS/MSD triple vol.		
	16	(capillary fringe)					
	18	TD @ 17.5 ft bgs (bit refusal) No well					
	20						
	22						
	24						
	26						
	28						
	30						

PROJECT 5561

HOLE NO. DP71

HTW DRILLING LOG

HOLE NO. DP72

1. COMPANY NAME: Bhate	2. DRILLING CONTRACTOR: ESN
3. PROJECT: 5561	4. LOCATION: DP72
5. NAME OF DRILLER: Chad Grubbs	6. MANUFACTURER'S DESIGNATION OF DRILL
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 5/9/07 — 11. DATE COMPLETED: 5/9/07
12. OVERBURDEN THICKNESS	15. DEPTH GROUNDWATER ENCOUNTERED
13. DEPTH DRILLED INTO ROCK	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED
14. TOTAL DEPTH OF HOLE	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
1		X	5G, FOC, Moisture, Bulk Den:

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	RCRA METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
1	X	X	SVOCs X	TVPH X		

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
				JH Moore

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	0-5 ft bgs: Silty sand (sm) v. f gr. qtz., subangular, well sorted, loose/ medium dense, sl. moist 2.5Y 7/4 Pale Yellow no odor	PID = 0.0 ppm				
	1						
	2						
	3						
	4						
	5						

PROJECT 5561 HOLE NO DP72

HTW DRILLING LOG

HOLE NO. DP 72

PROJECT SS61

INSPECTOR Jim Moore

SHEET 2 OF ~~2~~ SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	5	5-10 ft silty sand (sm) v. f. gr. qtz. (same as above)	PID = 0.0 ppm				
	10	10-12.5 ft bgs silty sand (sm) dense no odor lt. reddish brown	PID = 0.0 ppm		SS61-DP72-10		Geotechnical sample
	12	12.5-15 clay silt sand (sc) sl. plastic sl. moist. stiff, reddish brown	PID = 0.0 ppm				
	15	15-17.5 clay silt sand (sc/sm) plastic dense lt. red brown petro odor (capillary fringe) Bit refusal @ 17.5 TD No well	15-17.5 PID = 555 ppm		SS61-DP72-17	(1600)	

PROJECT SS61

HOLE NO. DP 72

HTW DRILLING LOG

HOLE NO. DP73

1. COMPANY NAME: Shaw	2. DRILLING CONTRACTOR: ESN Denver
SHEET 1 OF 2 SHEETS	
3. PROJECT: 55561	4. LOCATION: HAFB 55561 DP73 Min 13
5. NAME OF DRILLER: ESN Chad Gobbs	6. MANUFACTURER'S DESIGNATION OF DRILL: Power Probe
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: 3 1/4" DPT; ~~4" HSA~~	8. HOLE LOCATION: North East N/A
	9. SURFACE ELEVATION (ft. NGVD): N/A
	10. DATE STARTED: 5-10-07 / 11. DATE COMPLETED: 5-10-07
12. OVERBURDEN THICKNESS: 27.5	15. DEPTH GROUNDWATER ENCOUNTERED: Approx 17.5' during probing
13. DEPTH DRILLED INTO ROCK: N/A	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED
14. TOTAL DEPTH OF HOLE: ~27.5'	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
1		X	

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
NONE	—	—	—	—	—	—

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
completed as monitoring well	—	X	—	B. Volpt

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	0-5' bgs: loose, moist fine grained silty clay, mostly silt, light brown (SC)					end of pushing for the probe
	1						
	2						
	3						
	4						
	5						

HTW DRILLING LOG

HOLE NO. DP73

PROJECT SS61

INSPECTOR B.Wolfe

SHEET 2 OF 7 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		5-10 bgs:		Geotech sample			Very difficult
		Same as Above		collected @ 1140			probing
	10	10-12.5' bgs:					
		Same as above. Moist					Water visible
		on top end, wet at lower					in sample
		end, soft					@ 12.5'
		12.5-15': light brwn SC					
	15	w/ TL light stng mottling					wet
		fine grained, mostly silt wet					
		damp on lower end, soft					
		15-17.5': dark brwn SC					
		w/ light and dark stng mottling,					not wet
		mostly silts, fine grained, very small					
		gypsum crystals embedded,					
		moist, stiff					
	20	20-22.5': upper end is same					
		as above. Lower end is trending					
		to brown SC w/ med gypsum					
		crystals embedded, stiff					
		22.5-25':					
		Same as above, damp					
		fine grained light stng silt					wet at 25'
	25	same at very bottom, damp					difficult
		25-27.5':					probing
		light stng SC mostly silt					-ing
		very fine grain, damp					
		Terminate probing					
	30						

PROJECT SS61

HOLE NO. DP73

HTW DRILLING LOG

HOLE NO. DP74

1. COMPANY NAME: Shaw	2. DRILLING CONTRACTOR: ESN Denver
SHEET 1 OF 2 SHEETS	
3. PROJECT: HAFB	4. LOCATION: DP74 - MW14
5. NAME OF DRILLER: Chad Gravbbs	6. MANUFACTURER'S DESIGNATION OF DRILL: Power Probe
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: 3 1/4" DPT; 4" HSA	8. HOLE LOCATION: North N/A East
	9. SURFACE ELEVATION (ft. NGVD): N/A
	10. DATE STARTED: 5-10-07
	11. DATE COMPLETED: 5-10-07
12. OVERBURDEN THICKNESS: 26.5	15. DEPTH GROUNDWATER ENCOUNTERED: 20-21'
13. DEPTH DRILLED INTO ROCK: N/A	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: 23.40 approx 45 min after completion
14. TOTAL DEPTH OF HOLE: N 26.5'	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF ~~CORE BOXES~~ poly sleeve
1		X	1 geotech sample

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
1	X	X	SVOC	—	—	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
completed as well		X		B Wolfe

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	Auger through 4" asphalt/base @ 4-5" slight pet. odor					
	1	0-5' Sample: partial recovery. Silty clay (SC) fine grain quartz, dark brown w/ light gray mottling. Contact w/ light gray SC @ 2.5'. Dry, loose					
	2	Dark gray aggrel @ 4.5' bgs No odor.					
	3						
	4						
	5						

PROJECT 5561

HOLE NO. DP74

HTW DRILLING LOG

HOLE NO DP74

PROJECT | INSPECTOR | SHEET 2 OF 2 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	5	light sdmy SC, clay, loose NO odor					
	10	10-12.5' light sdy SC transitions to light brown/tan w/ light sdy mottling, slightly plastic, damp 12.5-17.5' clay, least SC light brown w/ sdy mottling fine sdy w/ gypsum crystals			SS61-DP74-10 Geotech sample collected @ 0840		
	20	17.5-20 dark brown SC, clay loose	34.0 ppm				
		20-~~22~~ 22.5 same as above light and dark sdy, mottling at lower end. Slight solvent odor at bottom	186 ppm		WATER ENCOUNTERED @ 21-22'		
		24-26.5' same as above w/ visible PCS staining throughout	>9999 ppm		SS61-DP74-25 Immediate Sample collected @ 1030 VOC, SVOC, TPH, RCRA 8		
		Terminate boring					

PROJECT 5561 | HOLE NO DP74

HTW DRILLING LOG

1. COMPANY NAME: Bhate Environmental	2. DRILLING CONTRACTOR: Vista GeoScience	HOLE NO.: DP-75
3. PROJECT: 9050361.01.02 Voluntary Corrective Measures SS-61	4. LOCATION: SS61-DP75	SHEET: OF 1 SHEETS 2
5. NAME OF DRILLER: Zachary Hurst	6. MANUFACTURER'S DESIGNATION OF DRILL: Power Probe 9600	
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: Geoprobe Dual Tube; 2.125" Probe Rod; 1" Liners	8. HOLE LOCATION: North East	
	9. SURFACE ELEVATION (ft. NGVD)	
	10. DATE STARTED: 8/22/07	11. DATE COMPLETED: 8/22/07
12. OVERBURDEN THICKNESS	15. DEPTH GROUNDWATER ENCOUNTERED: Not Encountered	
13. DEPTH DRILLED INTO ROCK	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED	
14. TOTAL DEPTH OF HOLE: 20' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA			

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
2	8260B		TPH(GRO)			

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Bentonite Chips	X			

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	loose sand					
		silty sand, dry (SM)					
		10YR 8/2 - White					
	1	vfg -					
	2						
	3						
	4	silty sand (SM)					
		dry - loose					
		vfg					
	5	7.5YR 6/4 - light brown	5' - OVA = Oppm				

PROJECT: 9050361.01.02 Voluntary Corrective Measures SS-61			HOLE NO.: DP-75

ST 5'
~60% recov

HTW DRILLING LOG

PROJECT	INSPECTOR	HOLE NO.
9050361.01.02 Voluntary Corrective Measures SS-61		DP-75
		SHEET 2 OF 2 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		7.5YR 6/4 - light brown silty Sand - vfg. dry					
			10'-OVA=0ppm	SS61-DPTS-10 (1200)			
	10	silty Sand, vfg w/ gypsum lenses.					
clayey Silt		10YR-8/R - very pale brown ~~silty Sand~~, vfg - slightly moist (ML)	15'-OVA=0ppm				
	15	>5% clay ~10% medium grain sand.					
		Interbedded silty sand (SM) clayey silt, slightly moist	18'-OVA-0ppm	SS61-DPTS-20 (1205)			
	20	~10% medium grain sand. calichie layers					
		5YR - 6/4 - light reddish brown. TD - 20' bgs					
	25						

HTW DRILLING LOG

HOLE NO. DP-76

1. COMPANY NAME: Bhate Environmental	2. DRILLING CONTRACTOR: Vista GeoScience
SHEET: OF 1 SHEETS 2	
3. PROJECT: 9050361.01.02 Voluntary Corrective Measures SS-61	4. LOCATION: SS61-DP76
5. NAME OF DRILLER: Zachary Hurst	6. MANUFACTURER'S DESIGNATION OF DRILL: Power Probe 9600
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: Geoprobe Dual Tube Sampling System; 2.125" diameter Probe Rod; 1" dia plastic liners	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 8/22/07 — 11. DATE COMPLETED: 8/22/07
12. OVERBURDEN THICKNESS	15. DEPTH GROUNDWATER ENCOUNTERED: ~3.3' (in soil)
13. DEPTH DRILLED INTO ROCK	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED
14. TOTAL DEPTH OF HOLE: 23' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA			

20. SAMPLES FOR CHEMICAL ANALYSIS: 2	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
	8260B		TPH(GRO)			

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Bentonite Chips	X			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	Poorly sorted gravels + fines. Coarse clasts					
	1	5YR-8/2 - pinkish white silty sand vfg. Fine grain clasts. (SM)					1st 5' ~ 60° recov
	2						
	3						
	4	5YR-7/4 pale pink vfg. silty sand (SM) dry/loose Soft					
	5		5' - OVA = Oppm				

HTW DRILLING LOG

PROJECT	INSPECTOR	HOLE NO.
9050361.01.02 Voluntary Corrective Measures SS-61		DP-76
		SHEET 2 OF 2 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		Same as above					
		SM					
	10		10'-OVA=0ppm				
		2.5YR 5/4 - reddish brown					
		Clayey Silt vfg. ML					
	15	very soft - dry	15'-OVA=0ppm				
		5YR - 7/3 - Pink - white					
		Clayey Silt ~10% clay ML					
		vfg. slightly moist					
	17.0						
		Caliche - Mottled Clay w/ ML					
		gypsum clasts. Soft					
	20	moist 2.5YR - 5/4 Reddish Brown	20'-OVA=0ppm				
		↓					
		TD - 23 wet	23'-OVA=0ppm				
	25						

HTW DRILLING LOG

HOLE NO. DP-77

1. COMPANY NAME: Bhate Environmental	2. DRILLING CONTRACTOR: Vista GeoScience	SHEET: OF 1 SHEETS 2
3. PROJECT: 9050361.01.02 Voluntary Corrective Measures SS-61	4. LOCATION: SS61-DP77	
5. NAME OF DRILLER: Zachary Hurst	6. MANUFACTURER'S DESIGNATION OF DRILL: Power Probe 9600	
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: Geoprobe Dual Tube Sampling System; 2.125" diameter Probe Rod; 1" dia plastic liners	8. HOLE LOCATION: North East	
	9. SURFACE ELEVATION (ft. NGVD)	
	10. DATE STARTED: 8/22/07	11. DATE COMPLETED: 8/22/07
12. OVERBURDEN THICKNESS	15. DEPTH GROUNDWATER ENCOUNTERED: 22-23' (in soil)	
13. DEPTH DRILLED INTO ROCK	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED	
14. TOTAL DEPTH OF HOLE: 25' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA			

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
2	8260B		TPH(GRO)			

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Bentonite Chips	x			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	loose - medium grained gravel mix of fines					
	1	5YR - 8/2 Pinkish white vfg. silty sand loose/soft/dry (SM)					
	2						
	3						
	4	5YR-7/4 - pale pink/brown vfg silty sand soft, dry, unconsolidated (SM)	5'-DUP = 0 ppm				
	5						

HTW DRILLING LOG

HOLE NO.	
DP-77	

PROJECT	INSPECTOR	SHEET 2 OF 2 SHEETS
9050361.01.02 Voluntary Corrective Measures SS-61		

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		Same as above (SM)					
	10	5YR-6/3 light reddish brown v.fg. clayey silt (ML) very soft >10% clay	10'-OVA=0ppm		SS61-DP77-12.5'	(1350)	
		10YR-6/2 light brownish gray clayey silt	=No odor				
	15	mottled clayey silt light brownish gray + reddish brown. grading into a reddish brown clayey silt 2.5YR-6/4 (ML) moist/soft low plasticity	15'-OVA=0ppm				
	20		20' OVA=0ppm				
		22-25 Visual discoloration + Hydrocarbon odor	23' OVA=183ppm		SS61-DP77-25'	(1355)	
	25	TD-25 wet!	25'-OVA=795ppm				

HTW DRILLING LOG

HOLE NO: DP-78

1. COMPANY NAME: Bhate Environmental	2. DRILLING CONTRACTOR: Vista GeoScience
SHEET: OF 1 SHEETS 2	
3. PROJECT: 9050361.01.02 Voluntary Corrective Measures SS-61	4. LOCATION: SS61-DP78
5. NAME OF DRILLER: Zachary Hurst	6. MANUFACTURER'S DESIGNATION OF DRILL: Power Probe 9600
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: Geoprobe Dual Tube Sampling System; 2.125" diameter Probe Rod; 1" dia plastic liners	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 8/22/07 — 11. DATE COMPLETED: 8/22/07
12. OVERBURDEN THICKNESS	15. DEPTH GROUNDWATER ENCOUNTERED: ~22'
13. DEPTH DRILLED INTO ROCK	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED
14. TOTAL DEPTH OF HOLE: 25' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA			

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
2	8260B		TPH(GRO)			

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Bentonite Chips	X			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	Poorly sorted, angular coarse grained gravels.					
	1	5YR-5/4 reddish brown vfg silty sand (SM) soft-dry					
	2						
	3						
	4	5YR-7/4 pink vfg silty sand (SM) very loose/dry Not plastic	5'-OVA=Oppm				
	5						

HTW DRILLING LOG

HOLE NO. DP-78

PROJECT: 9050361.01.02 Voluntary Corrective Measures SS-61

INSPECTOR:

SHEET 2 OF 2 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		Same as above (SM)					
	0	7YR 8/2 - white clayey Silt (ML) vfg. soft moist	10' = OVA = 0ppm		SS61-DP78-12.5	1510	
	15	moist 5YR-7/4-Pink vfg silty sand (SM)	15' OVA = 0ppm				
		5YR-6/4 - light reddish brown clayey silt (ML)					
		10YR-7/2 light gray clayey silt moist	20' - OVA = 0ppm				
	20	5YR-6/4 light reddish brown mottled w/ gypsum lenses					
	25	@ 24.5-25' Slight hc Odor gray stain 25' OVA = 130ppm TD-25'			SS62-DP78-25	1515	

HTW DRILLING LOG

HOLE NO. DP-79

1. COMPANY NAME: Bhate Environmental	2. DRILLING CONTRACTOR: Vista GeoScience	SHEET 1 OF 2 SHEETS
3. PROJECT: 9050361.01.02 Voluntary Corrective Measures SS-61	4. LOCATION: SS61-DP79	
5. NAME OF DRILLER: Zachary Hurst	6. MANUFACTURER'S DESIGNATION OF DRILL: Power Probe 9600	
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: Geoprobe Dual Tube Sampling System; 2.125" diameter Probe Rod; 1" dia plastic liners	8. HOLE LOCATION: North East	
	9. SURFACE ELEVATION (ft. NGVD)	
	10. DATE STARTED: 8/22/07	11. DATE COMPLETED: 8/22/07
12. OVERBURDEN THICKNESS	15. DEPTH GROUNDWATER ENCOUNTERED: ~22.5'	
13. DEPTH DRILLED INTO ROCK	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED	
14. TOTAL DEPTH OF HOLE: 25' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA			

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
2	8260B		TPH(GRO)			

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Bentonite Chips	x			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	unconsolidated gravels/silt					
		5YR 4/4 reddish brown vfg silty sand (SM) dry-loose					
	1						
	2						
	3						
	4						
	5						

5'-OVA = 0ppm

HTW DRILLING LOG

HOLE NO. DP-79

PROJECT: 9050361.01.02 Voluntary Corrective Measures SS-61

INSPECTOR:

SHEET 2 OF 2 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		Same as above (SM)					
	10	5YR 6/4 light reddish brown vfg silty sand (SM) very dry unconsolidated	10' OVA = 0ppm				
		7.5YR 7/2 pinkish gray clayey silt vfg moist / slightly plastic (ML)	12.5' OVA = 0ppm				
	15	5YR - 6/4 light reddish brown clayey silt vfg / moist (ML)	15' OVA = 0ppm				
		↓ grading into a white clayey silt moist (ML)					
		mottled clayey silt w/ gypsum clasts - lenses (ML)					
	20	capilary fringe @ 20' bgs moist.	20' OVA = 49.8ppm				
			22.5' OVA = 297ppm				
		22.5' - 25 HC odor + visual staining					
	25	wet - GW TD 25'	25' OVA = 211ppm				

HTW DRILLING LOG

HOLE NO. DP-80

1. COMPANY NAME: Bhate Environmental	2. DRILLING CONTRACTOR: Vista GeoScience
SHEET 1 OF 2 SHEETS	
3. PROJECT: 9050361.01.02 VCM SS-61	4. LOCATION: SS61-DP80
5. NAME OF DRILLER: Zachary Hurst	6. MANUFACTURER'S DESIGNATION OF DRILL: Power Probe 9600
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: Geoprobe Dual Tube System DT21; 2.125" Probe Rod; 1" Plastic Liner	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 8/23/07 — 11. DATE COMPLETED: 8/23/07
12. OVERBURDEN THICKNESS	15. DEPTH GROUNDWATER ENCOUNTERED: ~ 21-22'
13. DEPTH DRILLED INTO ROCK	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED
14. TOTAL DEPTH OF HOLE: 25' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA			NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
2	8260B	RCRA	(Gro/Dro/Oro)	SVOC		

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Bentonite Chips	X			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	loose, unconsolidated gravels, top soil					
	1	5YR 8/2 - pinkish white Silty Sand vfg. - fine grained Sand clasts dry (SM)					
	2						
	3						
	4	5YR 7/4 - pink Silty Sand vfg dry (SM)					
	5		5'- OVA = 5.3ppm				

HTW DRILLING LOG

HOLE NO. DP-80

PROJECT 9050361.01.02 VCM SS-61

INSPECTOR

SHEET 2 OF 2 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		Same as above					
		increasing moisture @ 9' bgs.					
		@ 90" bgs HC odor + staining Black @ 6"					
	10	7.5YR 7/0 - gray Clayey Silt - damp (ML) vfg 10-30% clay Heavy HC odor visual staining	10' OVA = 1276 ppm	SS61 - DP80-10			(0900)
	15	@ 16' wet zone sand layer w/ 6" (SM)	15' OVA = 258 ppm				
		7.5YR 2/0 - Black mottled clayey silt w/ gypsum lenses. (ML)	17.5' OVA = 347 ppm				
	20	5YR 4/4 reddish brown clayey silt - vfg. (ML) moist. soft. slight plastic	20' OVA = 599 ppm	SS61 - DP80-20			(0915)
			22.5 OVA = 221 ppm				
		Black mottled clayey silt wet.					
	25		25' OVA = 275 ppm				
		TD OF 25' bgs					

HTW DRILLING LOG

HOLE NO: DP-81

1. COMPANY NAME: Bhate Environmental	2. DRILLING CONTRACTOR: Vista GeoScience	SHEET 1 OF 2 SHEETS
3. PROJECT: 9050361.01.02 VCM SS-61	4. LOCATION: SS61-DP81	
5. NAME OF DRILLER: Zachary Hurst	6. MANUFACTURER'S DESIGNATION OF DRILL: Power Probe 9600	
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: Geoprobe Dual Tube System DT21; 2.125" Probe Rod; 1" Plastic Liner	8. HOLE LOCATION: North East	
	9. SURFACE ELEVATION (ft. NGVD)	
	10. DATE STARTED: 8/23/07	11. DATE COMPLETED: 8/23/07
12. OVERBURDEN THICKNESS	15. DEPTH GROUNDWATER ENCOUNTERED: ~22	
13. DEPTH DRILLED INTO ROCK	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED	
14. TOTAL DEPTH OF HOLE: 22' bgs.	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA			NA

20. SAMPLES FOR CHEMICAL ANALYSIS: 2	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
	8260B	RCRA	(Gro/Dro/Oro)	SVOC		

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Bentonite Chips	X			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	4" concrete Pad					
	1	10YR 8/3 - very pale brown vfg - Silt sand little to no clay. dry & loose. (SM)					
	2						
	3						
	4	5YR-7/4 pink vfg silty sand dense very fine grained sand clasts interminded (SM)					
	5		5' OVA = 0.0 ppm				

HTW DRILLING LOG

PROJECT	INSPECTOR	HOLE NO.	SHEET OF SHEETS
9050361.01.02 VCM SS-61		DP-81	2 OF 2 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		Same as above.					
		5YR 5/4 - reddish brown vfg. silty sand (saturated)					
		8.5' very thin lense of black hydrocarbon odor + stain					
	10	5YR 7/1 light gray clayey silt starts @ 8.5' bgs moist! 9-10' moist (ML)	10' OVA = 558 ppm				
		C12' bgs black lense.					
		↓ grading into black 7.5YR - 2/0 Black					
		mottled clayey silt Black w/ white gypsum	15' - OVA = 618 ppm				1 inch Jamar @ 12.5 bgs
	15	lenses - very hard.					
		5YR 6/4 light reddish brown silty sand w/ some gray staining (SW)	~~17.5' OVA =~~ 218				
		2.5YR - 4/6 red. vfg clayey silt (ML) molted w/ gypsum leases.	20' OVA = 617 ppm				
	20	Black - Heavy odor - wet - GW! TD 22'					
			22' OVA = 532				
	25						

HTW DRILLING LOG

HOLE NO: DP-82

1. COMPANY NAME: Bhate Environmental	2. DRILLING CONTRACTOR: Vista GeoScience
SHEET 1 OF 2 SHEETS	
3. PROJECT: 9050361.01.02 VCM SS-61	4. LOCATION: SS61-DP82
5. NAME OF DRILLER: Zachary Hurst	6. MANUFACTURER'S DESIGNATION OF DRILL: Power Probe 9600
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: Geoprobe Dual Tube System DT21; 2.125" Probe Rod; 1" Plastic Liner	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 8/23/07 — 11. DATE COMPLETED: 8/23/07
12. OVERBURDEN THICKNESS	15. DEPTH GROUNDWATER ENCOUNTERED: ~22'
13. DEPTH DRILLED INTO ROCK	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED
14. TOTAL DEPTH OF HOLE: 25	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA			NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
2	8260B	RCRA	(Gro/Dro/Oro)	SVOC		

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Bentonite Chips	X			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	4" concrete pad					
		7.5YR 8/2 pinkish white vfg - dry/loose Silty Sand (SM)					
	1						
	2						
	3						
	4	5YR 6/4 - light reddish brown vfg - Silty Sand (SM)					
	5		5': OVA = 0.4 ppm				

HTW DRILLING LOG

HOLE NO. DP-82

PROJECT 9050361.01.02 VCM SS-61

INSPECTOR

SHEET 2 OF 2 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		Same as above					
		@9.5' bgs - 1" thick black HC stain					10' OVA = 774 ppm
	10	7.5YR 6/0 - Gray HC odor + staining moist - silty sand (SM) vfg - soft					12.5' - OVA = 278 ppm
		@12' bgs - 1" thick black stain mottled silty sand moist w/ gypsum crystals					
	15	mottled clayey silt (ML) reddish brown w/ white gypsum lenses. gray staining throughout zone.					15' OVA = 548 ppm
		@19'-20' gray staining here					20' OVA = 577 ppm
	20	22' wet sandy silt layer reddish brown clayey silt moist.					25' OVA = 521 ppm
		GW - Sand coarse saturated					
	25	white - silty sand - hard					
		TD - 25' bgs					

HTW DRILLING LOG

HOLE NO: DP-83

1. COMPANY NAME: Bhate Environmental	2. DRILLING CONTRACTOR: Vista GeoScience
SHEET 1 OF 2 SHEETS	
3. PROJECT: 9050361.01.02 VCM SS-61	4. LOCATION: SS61-DP83
5. NAME OF DRILLER: Zachary Hurst	6. MANUFACTURER'S DESIGNATION OF DRILL: Power Probe 9600
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: Geoprobe Dual Tube System DT21; 2.125" Probe Rod; 1" Plastic Liner	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 8/23/07 — 11. DATE COMPLETED: 8/23/07
12. OVERBURDEN THICKNESS	15. DEPTH GROUNDWATER ENCOUNTERED: 21.5 -22'
13. DEPTH DRILLED INTO ROCK	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED
14. TOTAL DEPTH OF HOLE: 22' bgs.	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA			NA

20. SAMPLES FOR CHEMICAL ANALYSIS: 2	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
	8260B	RCRA	(Gro/Dro/Oro)	SVOC		

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Bentonite Chips	X			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	loose gravels + silts					
	1	7.5YR 8/2 - white silty sands vfg. dry > 10% clay.					
	2						
	3						
	4	5YR 6/4 light reddish brown. silty sand vfg dry - stiff					
	5		5' OVA = Oppm				

HTW DRILLING LOG

HOLE NO. DP-83

PROJECT 9050361.01.02 VCM SS-61

INSPECTOR

SHEET 2 OF 2 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		Same as above					
		thin seal layer light brn 9' 2" thick - gray stain - HC odor	damp	10' OVA = 16.5 ppm			
	10	black gray stain in 10YR - 5/1 gray silty sand dry					
		grading into a mottled clayey silt (ML) gray w/ gypsum flecks		15' OVA = 477 ppm	SS61-DP83-15	(1205)	
	15						
		17-19 Black stain/odor (ML)					
		5YR 4/6 reddish brown clayey silt		20' OVA = 967	SS61-DP83-22	(1215)	
	20						
		gray stain @ 20' bgs / odor tan silty sand zone wet					
		23 - TD wet - GW gray		23' OVA = 454 ppm			
	25						

HTW DRILLING LOG

HOLE NO. DP84

1. COMPANY NAME: Bhate Environmental	2. DRILLING CONTRACTOR: Vista GeoScience
3. PROJECT: SS61 VCM 905036.01.02	4. LOCATION: SS61-DP84
5. NAME OF DRILLER: Zachary Hurst	6. MANUFACTURER'S DESIGNATION OF DRILL: Power Probe 9600
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: Geoprobe DPT; 2.125" Probe Rod	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 8/23/07 — 11. DATE COMPLETED: 8/23/07
12. OVERBURDEN THICKNESS	15. DEPTH GROUNDWATER ENCOUNTERED: ~23-24'
13. DEPTH DRILLED INTO ROCK	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED
14. TOTAL DEPTH OF HOLE: 25' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA			

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
2	8260		(GRO)			

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Bentonite	X			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	loose sands + silts course - angular clasts dry					~50% rec
	1	5YR -8/2 - pinkish white very. silty sand (SM) dry					
	2						
	3						
	4						
	5		5' - OVA = 0ppm				

PROJECT

HOLE NO. SS61-DP84

HTW DRILLING LOG

HOLE NO. DP84

PROJECT | INSPECTOR | SHEET 2 OF 2 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		Same as above (SM)					S-10 40% rec 100% rec
	10		10' - OVA = 0 ppm				
		2.5YR 5/4 - light reddish brown mottled ~~silty sand~~ clayey silt >10% clay slightly plastic (ML) w/ some gypsum lenses		SS61-DP84-12.5		(1400)	
	15		15' OVA = 0 ppm				
		wet. 7.5YR 8/2 pinkish white silty sand - wet (SM)					
		2.5YR 5/4 reddish brown mottled clayey silt w/ interbedded gypsum crystals. slightly plastic (ML)					
	20	@ 18' bgs damp - capilary fringe.	20' OVA = 49.1 ppm				
		24.5 ↓ Gray Staining - HC odor clayey silt wet					
	25	TD - 25' bgs	25' OVA = 410 ppm	SS61-DP84-25		(1410)	

PROJECT | HOLE NO. SS61 - DP84

HTW DRILLING LOG

HOLE NO: DP85

1. COMPANY NAME: Blaine Environmental	2. DRILLING CONTRACTOR: Vista GeoScience
SHEET 1 OF 2 SHEETS	
3. PROJECT: 9050361.01.02 VCM 5561	4. LOCATION: 5561-DP85
5. NAME OF DRILLER: Zachary Hurst	6. MANUFACTURER'S DESIGNATION OF DRILL: Power Probe 9600
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: Geoprobe DPT; 2.125" Probe rod	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 8/23/07 — 11. DATE COMPLETED: 8/23/07
12. OVERBURDEN THICKNESS	15. DEPTH GROUNDWATER ENCOUNTERED: ~22'
13. DEPTH DRILLED INTO ROCK	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED
14. TOTAL DEPTH OF HOLE: 27.5'	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA			

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
2	8260		GRO			

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Bentonite	X			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	gravels + silts loose dry topsoil/fill					
	1	5YR 8/2 - pinkish white. Silty Sand vfg. (SM) dry/soft					
	2	↓					
	3						
	4	5YR 6/4 - light reddish brown - silty Sand vfg silt and very fine sand grains					5' - OVA = 0ppm
	5						

PROJECT

HOLE NO: 5561-DP85

Mw1, 38, 62, 7 TOC

HTW DRILLING LOG

HOLE NO. DP85

PROJECT VCM SS61 | INSPECTOR Zack Beck | SHEET 2 OF 2 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		Same as above					
	10		10' OVA = 0 ppm				(1505)
		5YR 5/4 reddish brown mottled clayey silt (ML) w/ gypsum crystals interbedded			SS61-DP85-12.5		
		7.5YR 8/2 - white silty Sand. wet.					
	15	5YR - 5/4 reddish brown clayey silt. interbedded w/ large gypsum crystals	15' OVA = 0 ppm				
	20		20' OVA = 0 ppm				
		capilary fring @ 20 bgs					
		moist					
	25	@ 25' slight odor / No staining	25' OVA = 772 ppm		SS61-DP85-25		(1515)
		7.5YR 8/2 white wet GW	27.5 OVA = 713 ppm				
		Black/Olive green stain					
		TD 27.5' bgs					

PROJECT

HOLE NO. SS61-DP85

Temporary well TMW 59

Bhate Environmental Associates

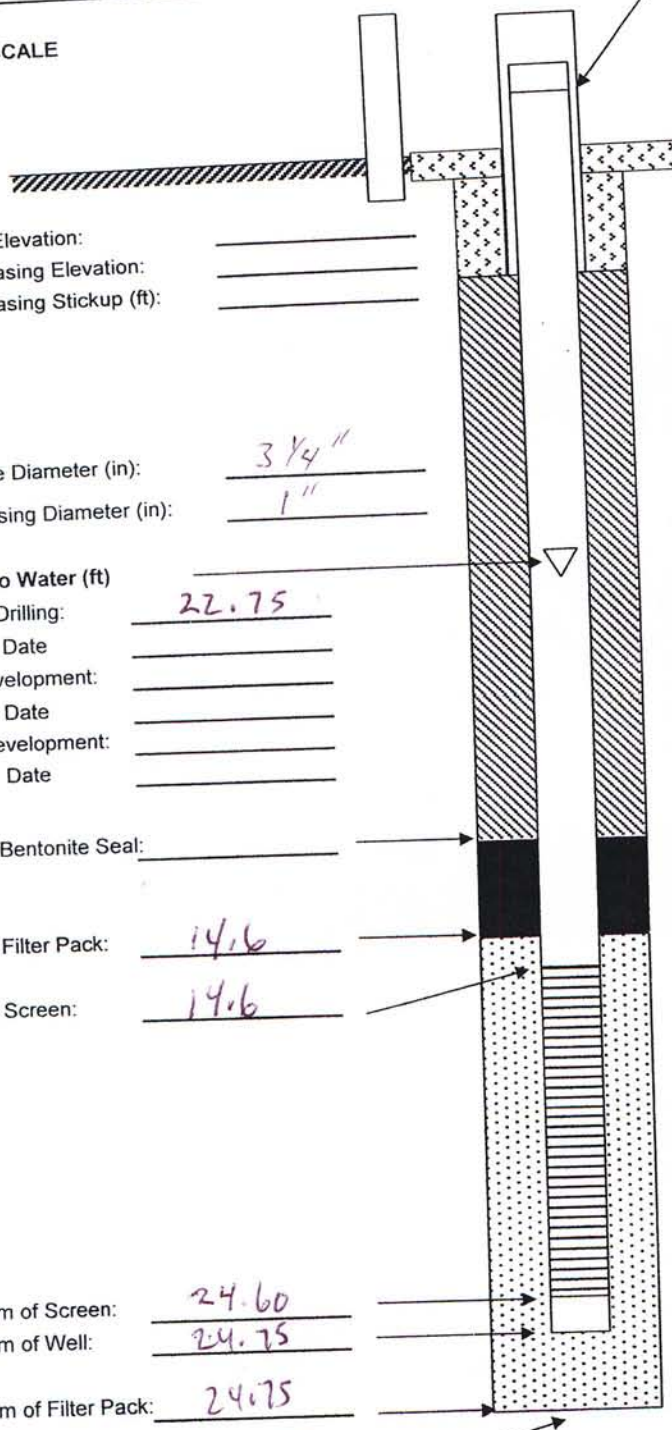
Temp **WELL CONSTRUCTION DIAGRAM (Above Grade)**

Flush Mount in parking lot/ enclosed area

Project/Phase: 5561
Location: DP 59 (TMW59)
Client: USACE
Drilling Contractor: ESN
Driller: Chad Grubbs
Geologist: Jim Moore

Well/Boring No.: DP-59 / TMW59
Drilling Method: DPT
Date(s): 5/7/07
Northing (NAD 83):
Easting (NAD 83):
Bhate Project #:

NOT TO SCALE



Protective Casing
Type: NA
Dimensions:
Length:
Guard Posts:

Surface Elevation:
Top of Casing Elevation:
Top of Casing Stickup (ft):

Borehole Diameter (in): 3 1/4"
Well Casing Diameter (in): 1"

Depth to Water (ft)
During Drilling: 22.75
Date
Pre Development:
Date
Post Development:
Date

Surface Pad
Dimensions:
Type:

Well Casing (riser)
Manufacturer: EMI
Type/Material: PVC sch 40
Diameter (in): 1 inch
Connection: flush threaded

Well Screen
Manufacturer: Geoprobe / EMI
Type/Material: Prepack PVC
Slot Size (in): 0.010-inch
Slot Type: Continuous Factory Slot
Connection: flush threaded

Annular Seal
Type: NA
Installation: Gravity Tremie Pressure

Bentonite Seal
Manufacturer: Enviroplug granular
Type: Pellets Slurry
Installation: 6-in Lifts Gravity
Tremie Pressure
Volume:
Hydration Time:

Filter Pack Material
Manufacturer: EMI / Geoprobe
Product Name: Pre pack
Size: 10/20 colo. silica sand
Volume (ft3):
Installation: Tremie Gravity

Sump/End Cap
Type: PVC
Length: 0.75 inch

Backfill Material
Type: NA
Volume:

Comments:

Bhate Environmental Associates

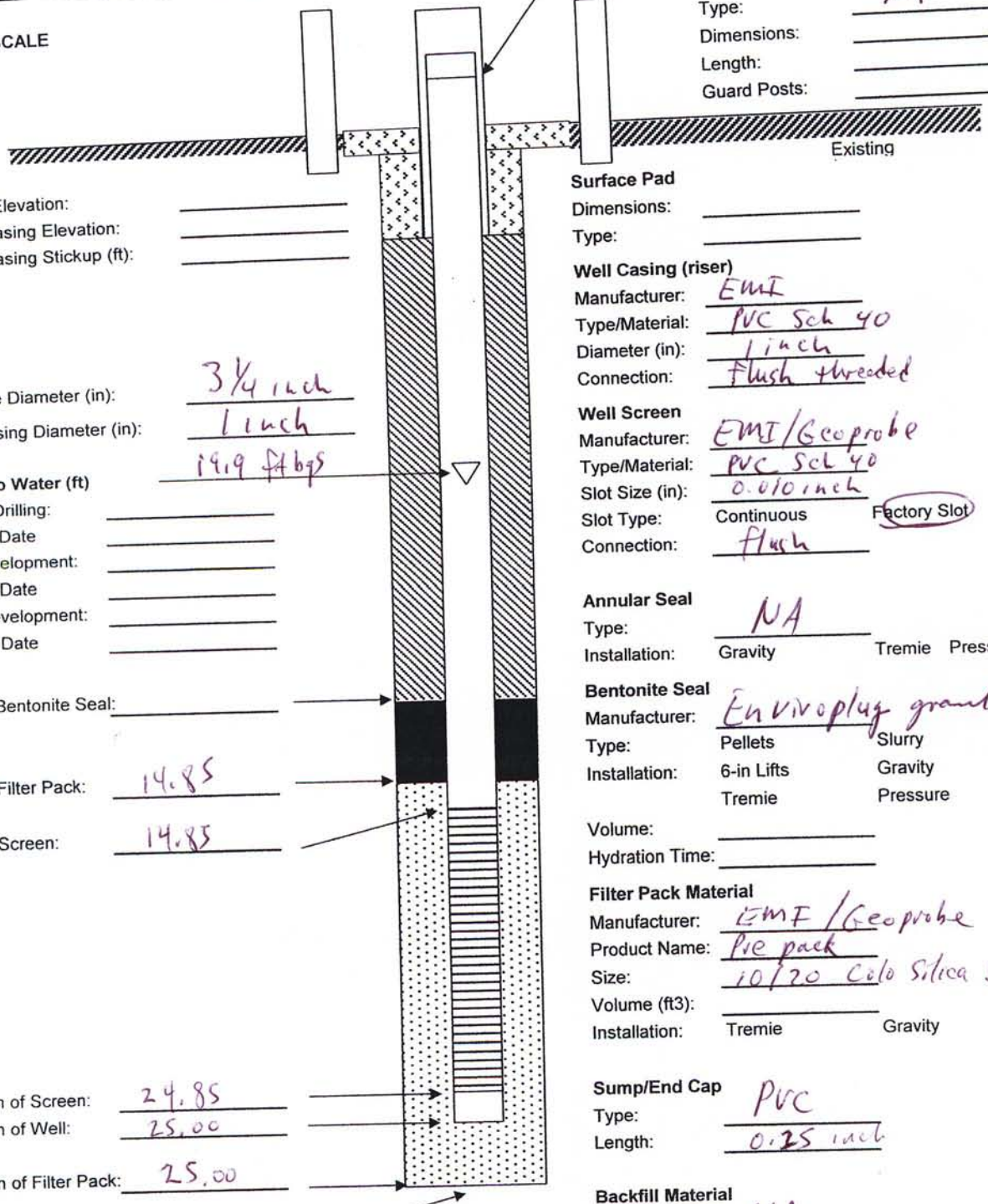
Temp

WELL CONSTRUCTION DIAGRAM (Above Grade)

Project/Phase: SS61
Location: DP60 / TMW60
Client: USACE
Drilling Contractor: ESN
Driller: Chad Grubbs
Geologist: Jim Moore

Well/Boring No.: TMW60 / DP60
Drilling Method: DPT
Date(s): 5/7/07
Northing (NAD 83):
Easting (NAD 83):
Bhate Project #:

NOT TO SCALE



Protective Casing
Type: NA
Dimensions:
Length:
Guard Posts:

Existing

Surface Elevation:
Top of Casing Elevation:
Top of Casing Stickup (ft):

Borehole Diameter (in): 3¼ inch
Well Casing Diameter (in): 1 inch

Depth to Water (ft)
During Drilling: 19.9 ft bgs
Date
Pre Development:
Date
Post Development:
Date

Top of Bentonite Seal:
Top of Filter Pack: 14.85
Top of Screen: 14.85

Bottom of Screen: 24.85
Bottom of Well: 25.00
Bottom of Filter Pack: 25.00
Borehole Depth: 25.00

Surface Pad
Dimensions:
Type:

Well Casing (riser)
Manufacturer: EMI
Type/Material: PVC Sch 40
Diameter (in): 1 inch
Connection: Flush threaded

Well Screen
Manufacturer: EMI/Geoprobe
Type/Material: PVC Sch 40
Slot Size (in): 0.010 inch
Slot Type: Continuous (Factory Slot)
Connection: flush

Annular Seal
Type: NA
Installation: Gravity Tremie Pressure

Bentonite Seal
Manufacturer: Enviroplug granular
Type: Pellets Slurry
Installation: 6-in Lifts Gravity
Tremie Pressure
Volume:
Hydration Time:

Filter Pack Material
Manufacturer: EMI / Geoprobe
Product Name: Pre pack
Size: 10/20 Colo Silica Sand
Volume (ft3):
Installation: Tremie Gravity

Sump/End Cap
Type: PVC
Length: 0.25 inch

Backfill Material
Type: NA
Volume:

Comments:

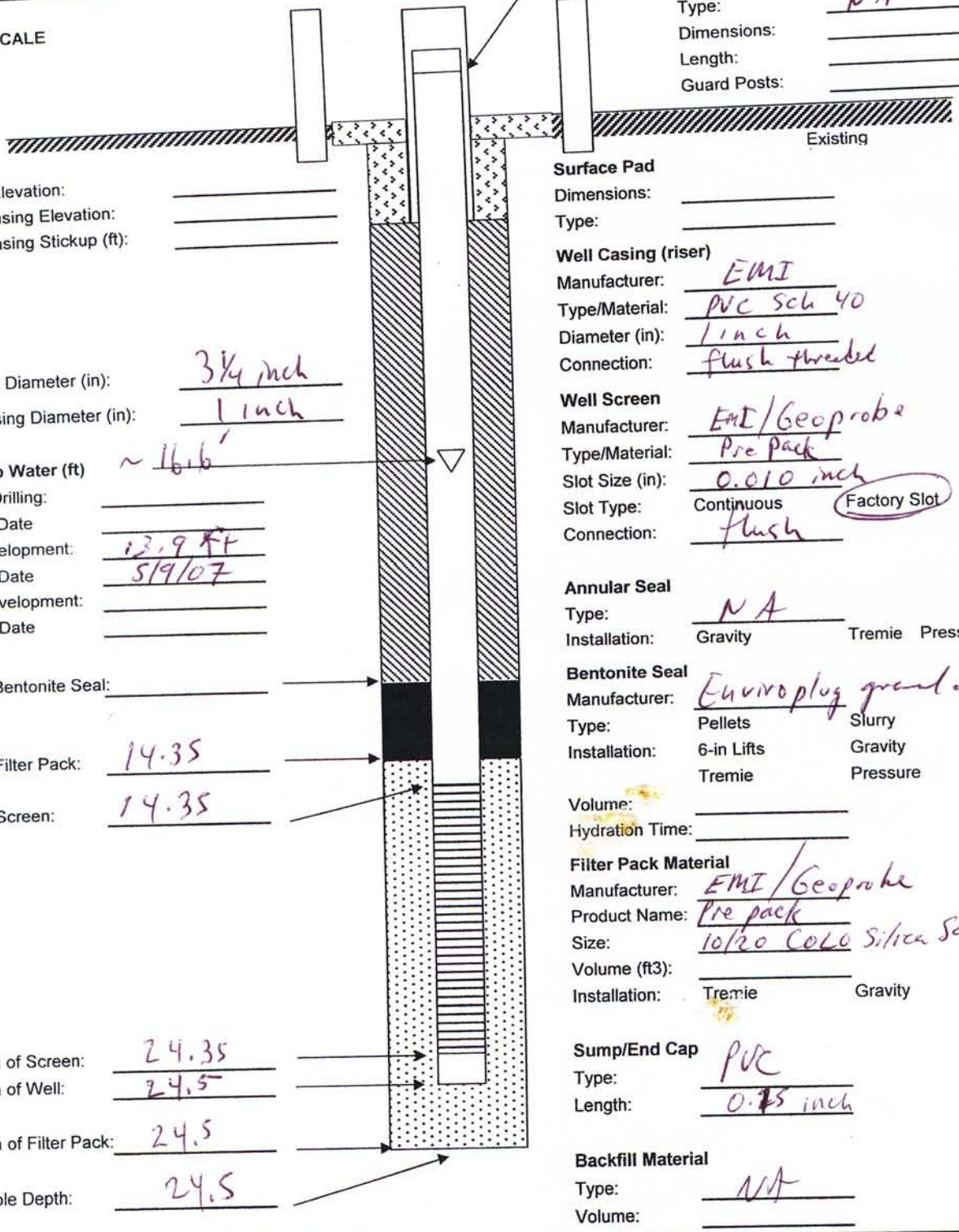
Bhate Environmental Associates — Temp

WELL CONSTRUCTION DIAGRAM (Above Grade)

Project/Phase: SS61
Location: DP61/TMW61
Client: USACE
Drilling Contractor: ESN
Driller: Chad
Geologist: Jim Moore

Well/Boring No.: TMW61/DP61
Drilling Method: DPT
Date(s): 5/7/07
Northing (NAD 83):
Easting (NAD 83):
Bhate Project #:

NOT TO SCALE



Protective Casing
Type: NA
Dimensions:
Length:
Guard Posts:

Surface Elevation:
Top of Casing Elevation:
Top of Casing Stickup (ft):

Borehole Diameter (in): 3¼ inch
Well Casing Diameter (in): 1 inch

Depth to Water (ft) ~ 16.6'
During Drilling:
Date
Pre Development: 13.9 Ft
Date 5/9/07
Post Development:
Date

Top of Bentonite Seal:
Top of Filter Pack: 14.35
Top of Screen: 14.35

Bottom of Screen: 24.35
Bottom of Well: 24.5
Bottom of Filter Pack: 24.5
Borehole Depth: 24.5

Surface Pad
Dimensions:
Type:

Well Casing (riser)
Manufacturer: EMI
Type/Material: PVC Sch 40
Diameter (in): 1 inch
Connection: flush threaded

Well Screen
Manufacturer: EMI/Geoprobe
Type/Material: Pre Pack
Slot Size (in): 0.010 inch
Slot Type: Continuous (Factory Slot)
Connection: flush

Annular Seal
Type: NA
Installation: Gravity Tremie Pressure

Bentonite Seal
Manufacturer: Enviroplug granular
Type: Pellets Slurry
Installation: 6-in Lifts Gravity
Tremie Pressure
Volume:
Hydration Time:

Filter Pack Material
Manufacturer: EMI/Geoprobe
Product Name: Pre pack
Size: 10/20 CoCo Silica Sand
Volume (ft3):
Installation: Tremie Gravity

Sump/End Cap
Type: PVC
Length: 0.25 inch

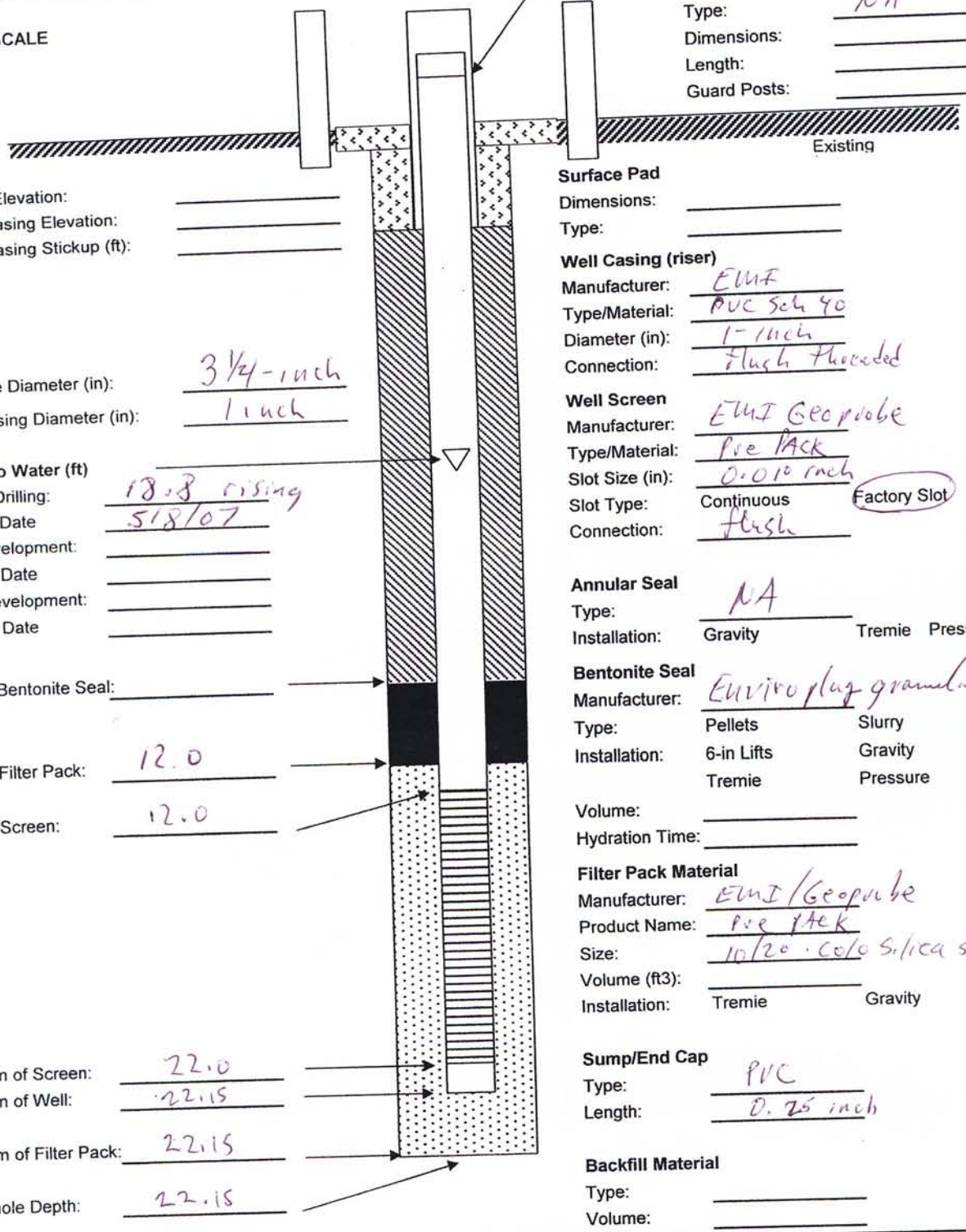
Backfill Material
Type: NA
Volume:

Comments:

Bhate Environmental Associates — TEMP WELL CONSTRUCTION DIAGRAM (Above Grade)

Project/Phase:	5561	Well/Boring No.:	TMW62 / DP62
Location:	DP62 / TMW62	Drilling Method:	DPT
Client:	USACE	Date(s):	5/8/07
Drilling Contractor:	ESN	Northing (NAD 83):	
Driller:	Chad Grubbs	Easting (NAD 83):	
Geologist:	Jim Moore	Bhate Project #:	

NOT TO SCALE



Protective Casing
Type: NA
Dimensions:
Length:
Guard Posts:

Surface Elevation:
Top of Casing Elevation:
Top of Casing Stickup (ft):

Borehole Diameter (in): 3 1/4-inch
Well Casing Diameter (in): 1 inch

Depth to Water (ft)
During Drilling: 18.8 rising
Date: 5/8/07
Pre Development:
Date:
Post Development:
Date:

Surface Pad
Dimensions:
Type:

Well Casing (riser)
Manufacturer: EMI
Type/Material: PVC Sch 40
Diameter (in): 1-inch
Connection: flush threaded

Well Screen
Manufacturer: EMI Geoprobe
Type/Material: Pre Pack
Slot Size (in): 0.010 inch
Slot Type: Continuous — Factory Slot
Connection: flush

Annular Seal
Type: NA
Installation: Gravity Tremie Pressure

Bentonite Seal
Manufacturer: Enviroplug granular
Type: Pellets Slurry
Installation: 6-in Lifts Gravity
Tremie Pressure
Volume:
Hydration Time:

Filter Pack Material
Manufacturer: EMI / Geoprobe
Product Name: Pre Pack
Size: 10/20 · Co/o Silica sand
Volume (ft3):
Installation: Tremie Gravity

Sump/End Cap
Type: PVC
Length: 0.25 inch

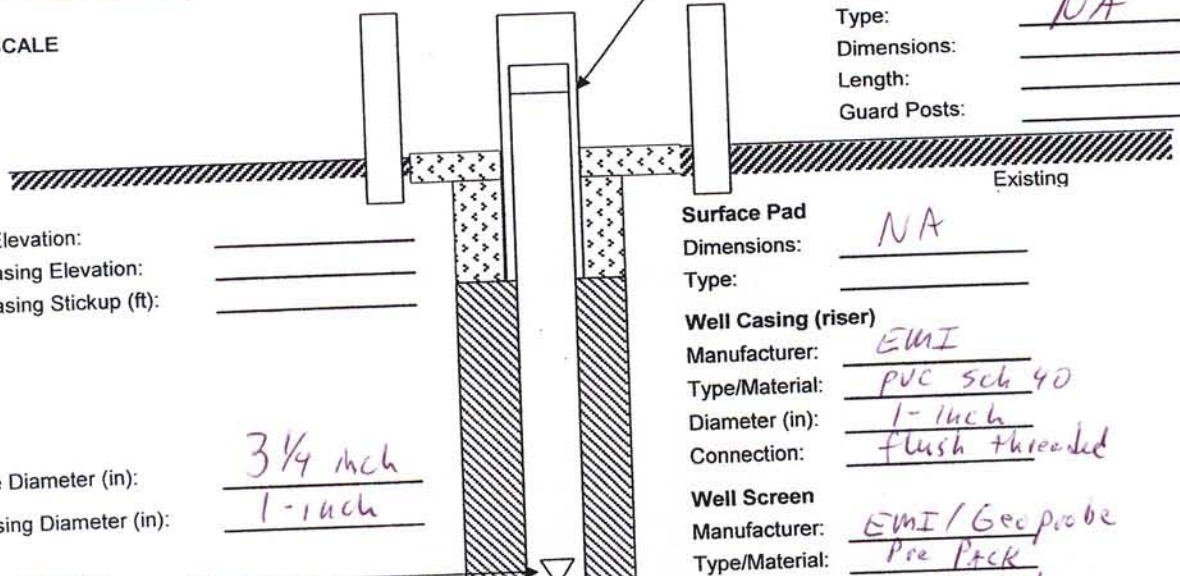
Backfill Material
Type:
Volume:

Comments:

Bhate Environmental Associates — TEMP WELL CONSTRUCTION DIAGRAM (Above Grade)

Project/Phase:	5561	Well/Boring No.:	TMW63 / DP63
Location:	DP63 / TMW63	Drilling Method:	DPT
Client:	USACE	Date(s):	5/8/07
Drilling Contractor:	ESN	Northing (NAD 83):	
Driller:	Chad Gumbbs	Easting (NAD 83):	
Geologist:	Jim Moore	Bhate Project #:	

NOT TO SCALE



Protective Casing
Type: NA
Dimensions:
Length:
Guard Posts:

Surface Elevation:
Top of Casing Elevation:
Top of Casing Stickup (ft):

Borehole Diameter (in): 3¼ inch
Well Casing Diameter (in): 1-inch

Depth to Water (ft)
During Drilling: ~14.75
Date
Pre Development:
Date
Post Development:
Date

Top of Bentonite Seal:
Top of Filter Pack: 14.0
Top of Screen: 14.0

Bottom of Screen: 24.0
Bottom of Well: 24.15
Bottom of Filter Pack: 24.15
Borehole Depth: 24.15

Surface Pad
Dimensions: NA
Type:

Well Casing (riser)
Manufacturer: EMI
Type/Material: PVC Sch 40
Diameter (in): 1-inch
Connection: flush threaded

Well Screen
Manufacturer: EMI / Geoprobe
Type/Material: Pre Pack
Slot Size (in): 0.010 inch
Slot Type: Continuous — Factory Slot
Connection: flush

Annular Seal
Type: NA
Installation: Gravity — Tremie — Pressure

Bentonite Seal
Manufacturer: Enviroplug Granular
Type: Pellets — Slurry
Installation: 6-in Lifts — Gravity — Tremie — Pressure
Volume:
Hydration Time:

Filter Pack Material
Manufacturer: EMI / Geoprobe
Product Name: Pro Pack
Size: 10/20 Colo Silica Sand
Volume (ft3):
Installation: Tremie — Gravity

Sump/End Cap
Type: PVC
Length: 0.25 inch

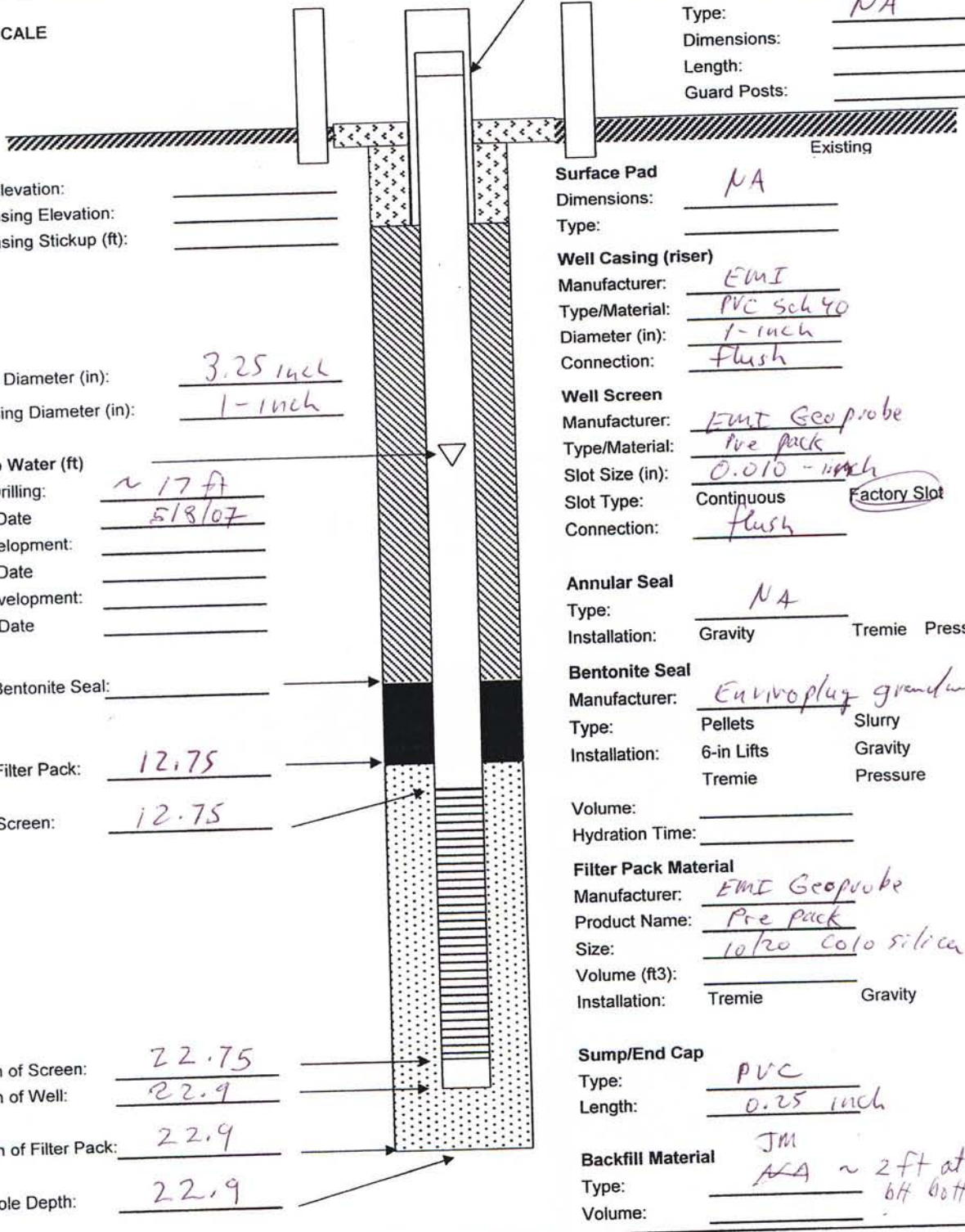
Backfill Material
Type:
Volume:

Comments:

Bhate Environmental Associates — Temp — WELL CONSTRUCTION DIAGRAM (Above Grade)

Project/Phase:	5561	Well/Boring No.:	TMW64/DP64
Location:	DP64/TMW64	Drilling Method:	DPT
Client:	USACE	Date(s):	5/8/07
Drilling Contractor:	ESN	Northing (NAD 83):	
Driller:	Chad Grubbs	Easting (NAD 83):	
Geologist:	Jim Moore	Bhate Project #:	

NOT TO SCALE



Protective Casing
Type: NA
Dimensions:
Length:
Guard Posts:

Surface Pad
Dimensions: NA
Type:

Well Casing (riser)
Manufacturer: EMI
Type/Material: PVC Sch 40
Diameter (in): 1-inch
Connection: flush

Well Screen
Manufacturer: EMI Geoprobe
Type/Material: Pre pack
Slot Size (in): 0.010 - inch
Slot Type: Continuous — Factory Slot
Connection: flush

Annular Seal
Type: NA
Installation: Gravity — Tremie — Pressure

Bentonite Seal
Manufacturer: Enviroplug granular
Type: Pellets — Slurry
Installation: 6-in Lifts — Gravity — Tremie — Pressure
Volume:
Hydration Time:

Filter Pack Material
Manufacturer: EMI Geoprobe
Product Name: Pre Pack
Size: 10/20 colo silica
Volume (ft3):
Installation: Tremie — Gravity

Sump/End Cap
Type: PVC
Length: 0.25 inch

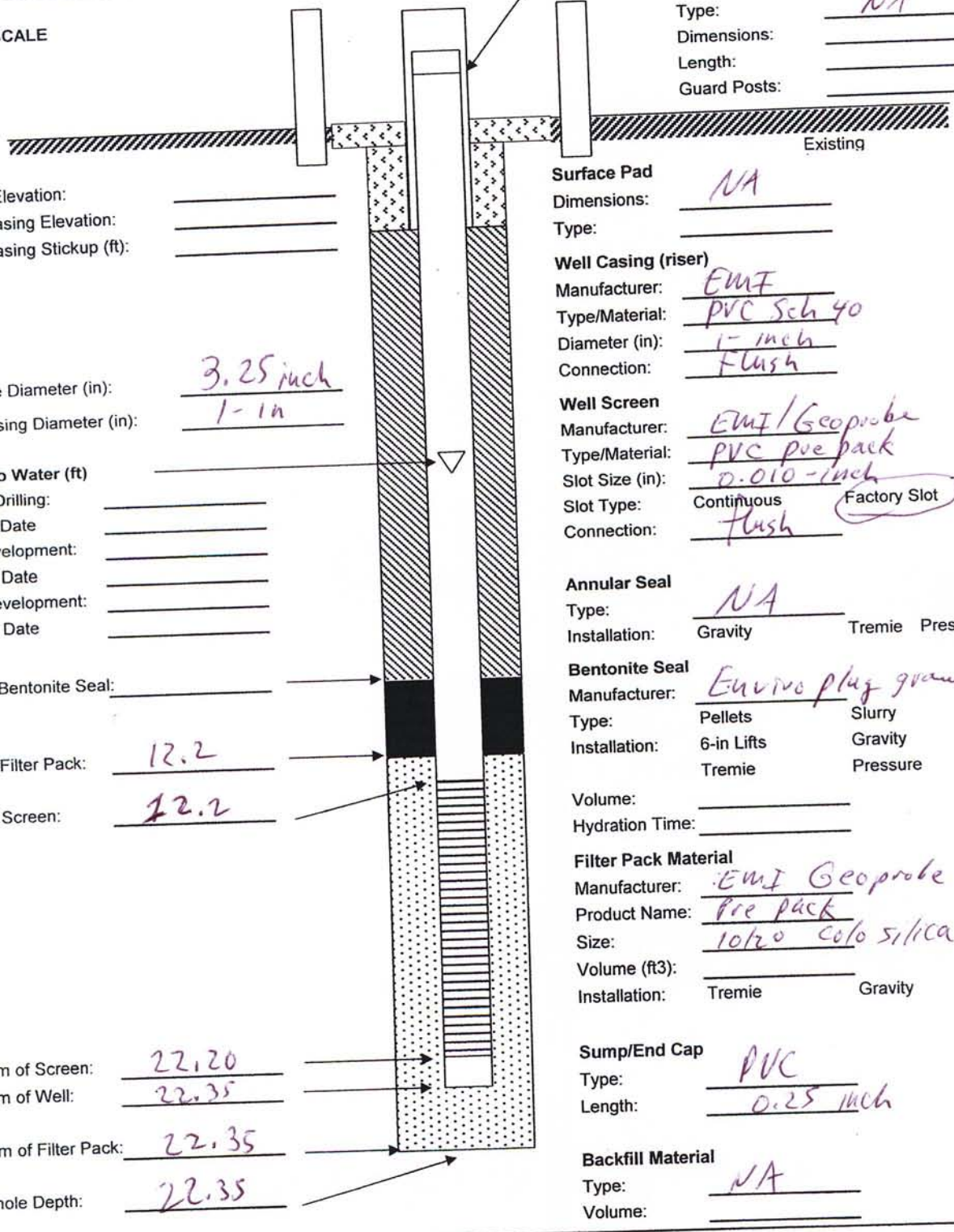
Backfill Material
Type: JM AKA ~2ft at bH bottom
Volume:

Comments:

Bhate Environmental Associates — TEMP — WELL CONSTRUCTION DIAGRAM (Above Grade)

Project/Phase:	SS61	Well/Boring No.:	TMW65 / DP65
Location:	DP65 / TMW65	Drilling Method:	DPT
Client:	USACE	Date(s):	5/8/07
Drilling Contractor:	ESN	Northing (NAD 83):	
Driller:	Chad Grubbs	Easting (NAD 83):	
Geologist:	Jim Moore	Bhate Project #:	

NOT TO SCALE



Protective Casing
Type: NA
Dimensions:
Length:
Guard Posts:

Surface Pad
Dimensions: NA
Type:

Well Casing (riser)
Manufacturer: EMI
Type/Material: PVC Sch 40
Diameter (in): 1- inch
Connection: Flush

Well Screen
Manufacturer: EMI / Geoprobe
Type/Material: PVC pre pack
Slot Size (in): 0.010-inch
Slot Type: Continuous (Factory Slot)
Connection: flush

Annular Seal
Type: NA
Installation: Gravity Tremie Pressure

Bentonite Seal
Manufacturer: Enviro plug granular
Type: Pellets Slurry
Installation: 6-in Lifts Gravity
Tremie Pressure
Volume:
Hydration Time:

Filter Pack Material
Manufacturer: EMI Geoprobe
Product Name: Pre pack
Size: 10/20 colo silica sand
Volume (ft3):
Installation: Tremie Gravity

Sump/End Cap
Type: PVC
Length: 0.25 inch

Backfill Material
Type: NA
Volume:

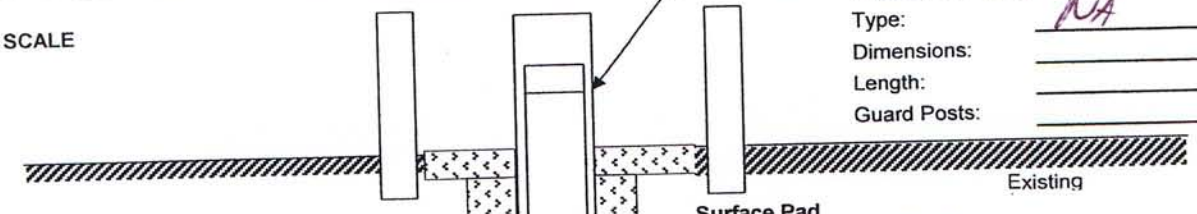
Comments:

Bhate Environmental Associates — Temp

WELL CONSTRUCTION DIAGRAM (Above Grade)

Project/Phase:	5561	Well/Boring No.:	DP67 / TMW67
Location:	DP67	Drilling Method:	DPT
Client:	USACE	Date(s):	5/9/07
Drilling Contractor:	ESN	Northing (NAD 83):	
Driller:	Chad Grubbs	Easting (NAD 83):	
Geologist:	Tim Moore	Bhate Project #:	

NOT TO SCALE



Protective Casing
Type: NA
Dimensions:
Length:
Guard Posts:

Surface Elevation:
Top of Casing Elevation:
Top of Casing Stickup (ft):

Borehole Diameter (in): 3.25 inch
Well Casing Diameter (in): 1 inch

Depth to Water (ft)
During Drilling: 21.6 (& rising)
Date: 5/9/07
Pre Development:
Date
Post Development:
Date

Top of Bentonite Seal:

Top of Filter Pack: 12.35

Top of Screen: 12.35

Bottom of Screen: 22.35
Bottom of Well: 22.5

Bottom of Filter Pack: 22.5

Borehole Depth: 22.5

Surface Pad
Dimensions: NA
Type:

Well Casing (riser)
Manufacturer: EMI
Type/Material: PVC Sch 40
Diameter (in): 1 inch
Connection: flush

Well Screen
Manufacturer: EMI Geoprobe
Type/Material: PVC Pre Pack
Slot Size (in): 0.010 inch
Slot Type: Continuous / Factory Slot
Connection: flush

Annular Seal
Type: NA
Installation: Gravity / Tremie / Pressure

Bentonite Seal
Manufacturer: Enviroplug granular
Type: Pellets / Slurry
Installation: 6-in Lifts / Gravity / Tremie / Pressure
Volume:
Hydration Time:

Filter Pack Material
Manufacturer: EMI / Geoprobe
Product Name: Pre Pack
Size: 10/20 Colo silica sand
Volume (ft3):
Installation: Tremie / Gravity

Sump/End Cap
Type: PVC
Length: 0.25 inch

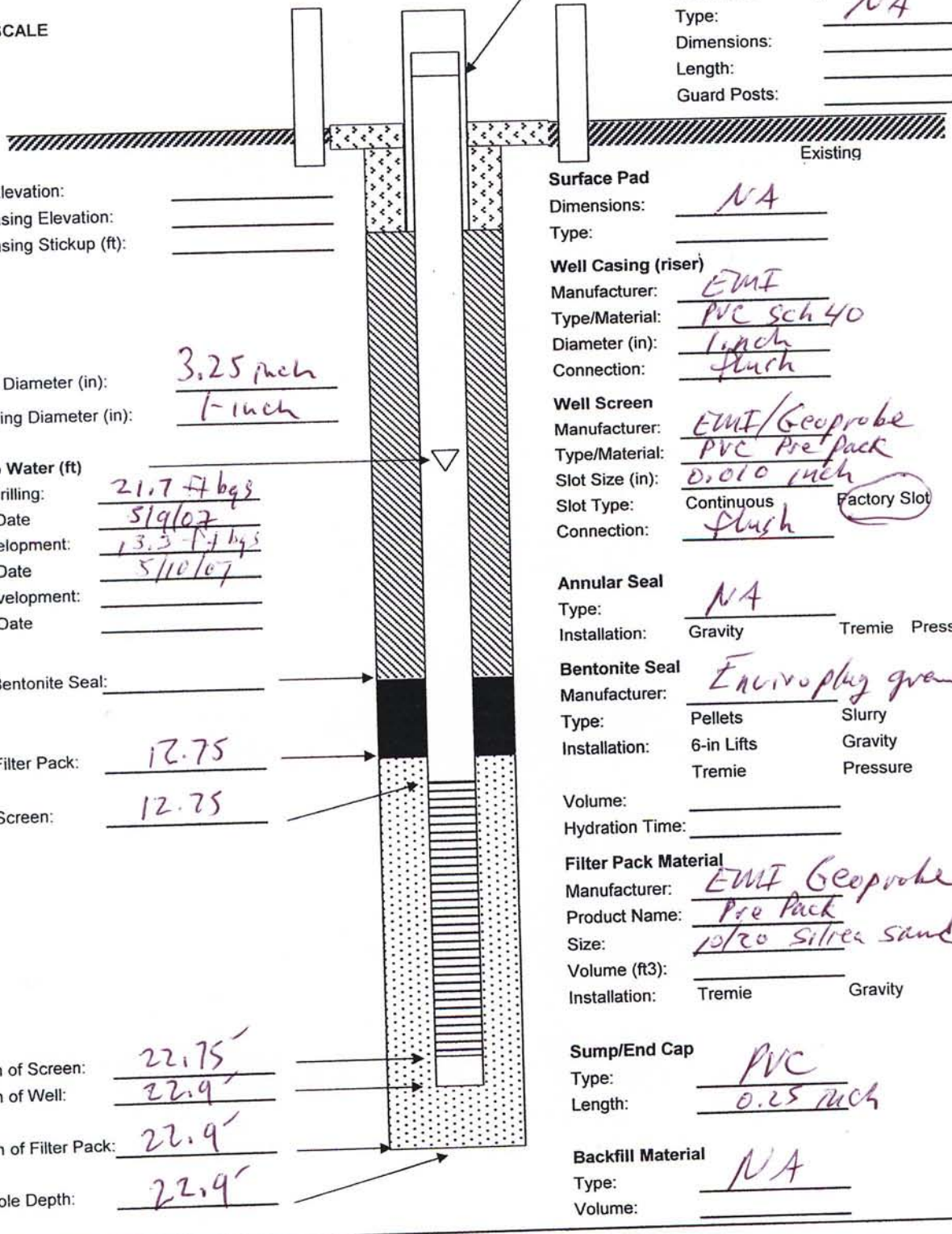
Backfill Material
Type: NA
Volume:

Comments:

Bhate Environmental Associates — Temp — WELL CONSTRUCTION DIAGRAM (Above Grade)

Project/Phase:	5561	Well/Boring No.:	DP-69 / TMW 69
Location:	DP69	Drilling Method:	DPT
Client:	USACE	Date(s):	5/9/07
Drilling Contractor:	ESN	Northing (NAD 83):	
Driller:	Chad Grubbs	Easting (NAD 83):	
Geologist:	Jim Moore	Bhate Project #:	

NOT TO SCALE



Protective Casing
Type: NA
Dimensions:
Length:
Guard Posts:

Surface Elevation:
Top of Casing Elevation:
Top of Casing Stickup (ft):

Borehole Diameter (in): 3.25 inch
Well Casing Diameter (in): 1-inch

Depth to Water (ft)
During Drilling: 21.7 ft bgs
Date: 5/9/07
Pre Development: 13.3 - 7.4 bgs
Date: 5/10/07
Post Development:
Date:

Surface Pad
Dimensions: NA
Type:

Well Casing (riser)
Manufacturer: EMI
Type/Material: PVC Sch 40
Diameter (in): 1 inch
Connection: flush

Well Screen
Manufacturer: EMI/Geoprobe
Type/Material: PVC Pre Pack
Slot Size (in): 0.010 inch
Slot Type: Continuous / Factory Slot
Connection: flush

Annular Seal
Type: NA
Installation: Gravity / Tremie / Pressure

Bentonite Seal
Manufacturer: Enviroplug granular
Type: Pellets / Slurry
Installation: 6-in Lifts / Gravity / Tremie / Pressure
Volume:
Hydration Time:

Filter Pack Material
Manufacturer: EMI Geoprobe
Product Name: Pre Pack
Size: 10/20 Silica sand
Volume (ft3):
Installation: Tremie / Gravity

Sump/End Cap
Type: PVC
Length: 0.25 inch

Backfill Material
Type: NA
Volume:

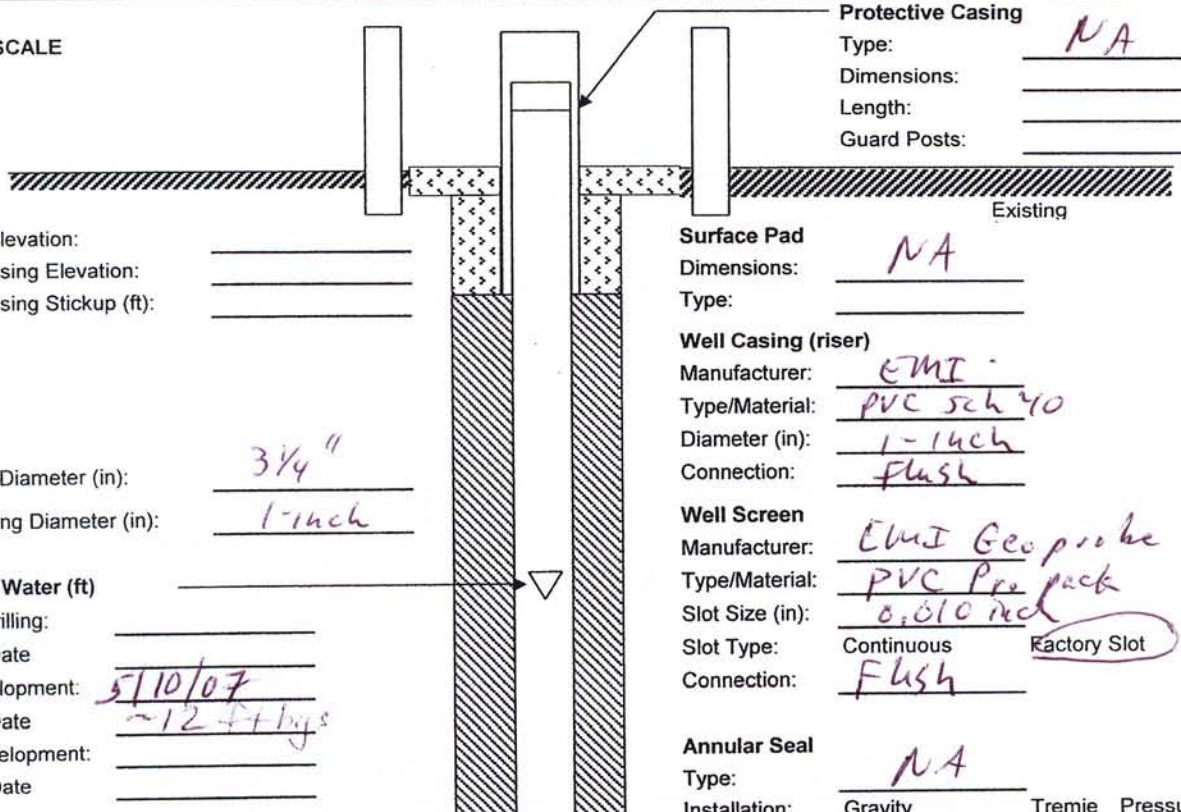
Comments:

Bhate Environmental Associates

WELL CONSTRUCTION DIAGRAM (Above Grade)

Project/Phase:	5561	Well/Boring No.:	DP70 / TMW70
Location:	DP70	Drilling Method:	DPT
Client:	USACE	Date(s):	5/9/07
Drilling Contractor:	FSN	Northing (NAD 83):	
Driller:	Chad Grubbs	Easting (NAD 83):	
Geologist:	Jim Moore	Bhate Project #:	

NOT TO SCALE



Surface Elevation:
Top of Casing Elevation:
Top of Casing Stickup (ft):

Borehole Diameter (in): 3¼"
Well Casing Diameter (in): 1-inch

Depth to Water (ft)
During Drilling:
Date
Pre Development: 5/10/07
Date ~12 ft bgs
Post Development:
Date

Top of Bentonite Seal:
Top of Filter Pack: 6.35
Top of Screen: 6.35

Bottom of Screen: 16.35
Bottom of Well: 16.5
Bottom of Filter Pack: 16.5
Borehole Depth: 16.5

Protective Casing
Type: NA
Dimensions:
Length:
Guard Posts:

Existing

Surface Pad
Dimensions: NA
Type:

Well Casing (riser)
Manufacturer: EMI
Type/Material: PVC sch 40
Diameter (in): 1-inch
Connection: Flush

Well Screen
Manufacturer: EMI Geoprobe
Type/Material: PVC Pre pack
Slot Size (in): 0.010 inch
Slot Type: Continuous Factory Slot
Connection: Flush

Annular Seal
Type: N.A
Installation: Gravity Tremie Pressure

Bentonite Seal
Manufacturer:
Type: Pellets Slurry
Installation: 6-in Lifts Gravity
Tremie Pressure
Volume: E
Hydration Time:

Filter Pack Material
Manufacturer: EMI Geoprobe
Product Name: Pre pack
Size: 10/20 Silica Sand
Volume (ft3):
Installation: Tremie Gravity

Sump/End Cap
Type: PVC
Length: 0.25 inch

Backfill Material
Type: NA
Volume:

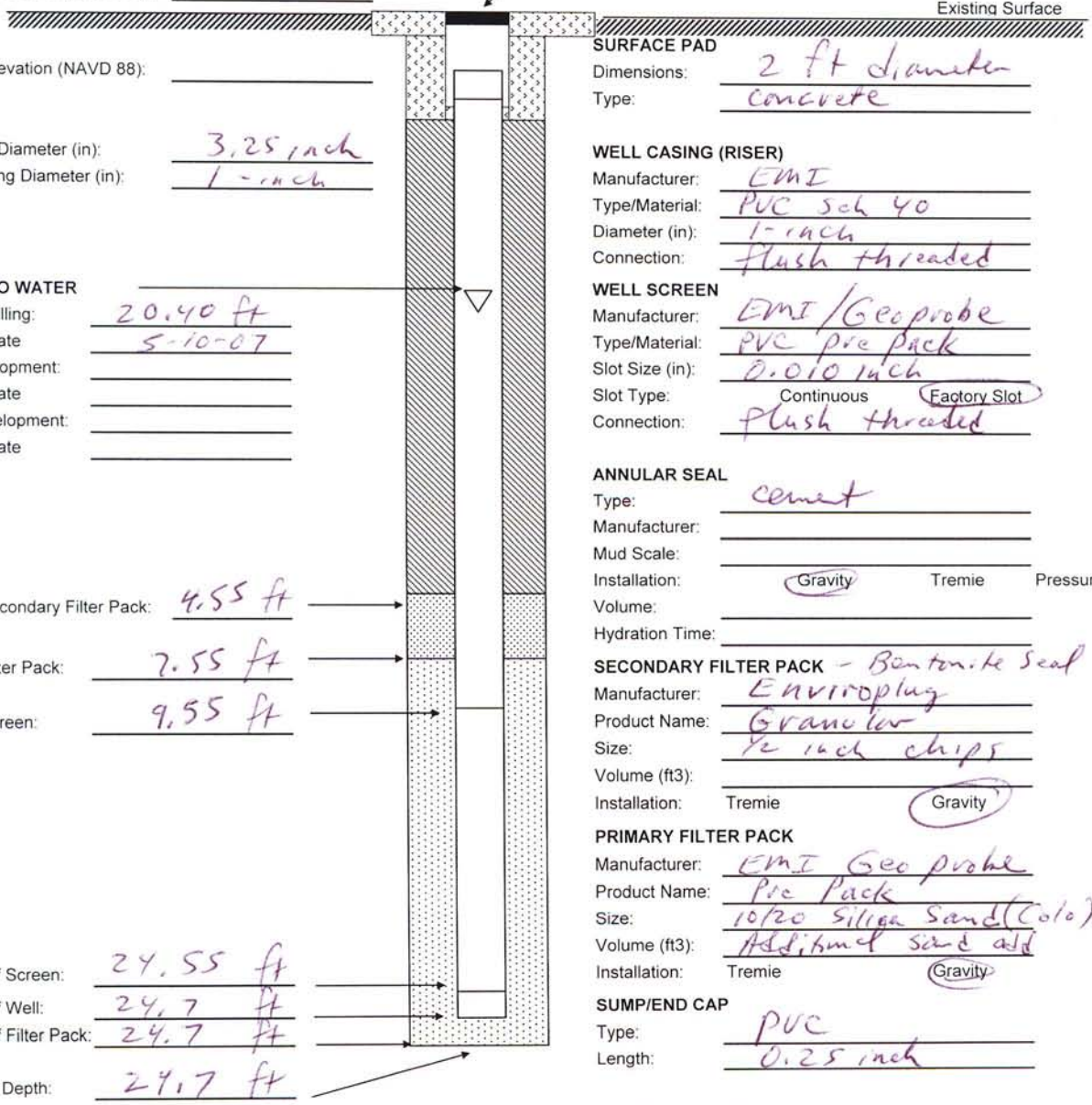
Comments:

BHATE
Environmental Engineers and Scientists

WELL CONSTRUCTION DIAGRAM (Flush Mount)

SITE:	Holloman AFB NM	WELL/BORING ID:	SS61-mw13 / DP73
PROJECT NAME:	SS61	DRILLING METHOD:	DPT
PROJECT NO./PHASE:	905036I.01.02	DATE(S):	5-10-07
DRILLING CONTRACTOR:	ESN	SURVEYOR:	
DRILLER:	Chad Grubbs	NORTHING (NAD 83):	
GEOLOGIST:	B. Wolfe	EASTING (NAD 83):	

NOT TO SCALE



Surface Elevation (NAVD 88):

Casing Elevation (NAVD 88):

Borehole Diameter (in): 3.25 inch

Well Casing Diameter (in): 1-inch

DEPTH TO WATER

During Drilling: 20.40 ft

Date: 5-10-07

Pre Development:

Date:

Post Development:

Date:

PROTECTIVE CASING

Type: 6.5-inch flush mount

Dimensions: 6.5 inch diameter

Length: 1.0 ft length

SURFACE PAD

Dimensions: 2 ft diameter

Type: concrete

WELL CASING (RISER)

Manufacturer: EMI

Type/Material: PVC sch 40

Diameter (in): 1-inch

Connection: flush threaded

WELL SCREEN

Manufacturer: EMI / Geoprobe

Type/Material: PVC pre pack

Slot Size (in): 0.010 inch

Slot Type: Continuous (Factory Slot)

Connection: flush threaded

ANNULAR SEAL

Type: cement

Manufacturer:

Mud Scale:

Installation: (Gravity) Tremie Pressure

Volume:

Hydration Time:

SECONDARY FILTER PACK - Bentonite Seal

Manufacturer: Enviroplug

Product Name: Granular

Size: 1/2 inch chips

Volume (ft3):

Installation: Tremie (Gravity)

PRIMARY FILTER PACK

Manufacturer: EMI Geoprobe

Product Name: Pre Pack

Size: 10/20 Silica Sand (Colo)

Volume (ft3): Additional sand add

Installation: Tremie (Gravity)

SUMP/END CAP

Type: PVC

Length: 0.25 inch

BACKFILL MATERIAL

Type: NA

Volume:

Comments:

BHATE
Environmental Engineers and Scientists

WELL CONSTRUCTION DIAGRAM (Flush Mount)

SITE: Holloman AFB NM
PROJECT NAME: 5561
PROJECT NO./PHASE: 9050361.01.02
DRILLING CONTRACTOR: ESN
DRILLER: Chad Grubbs
GEOLOGIST: B Wolfe

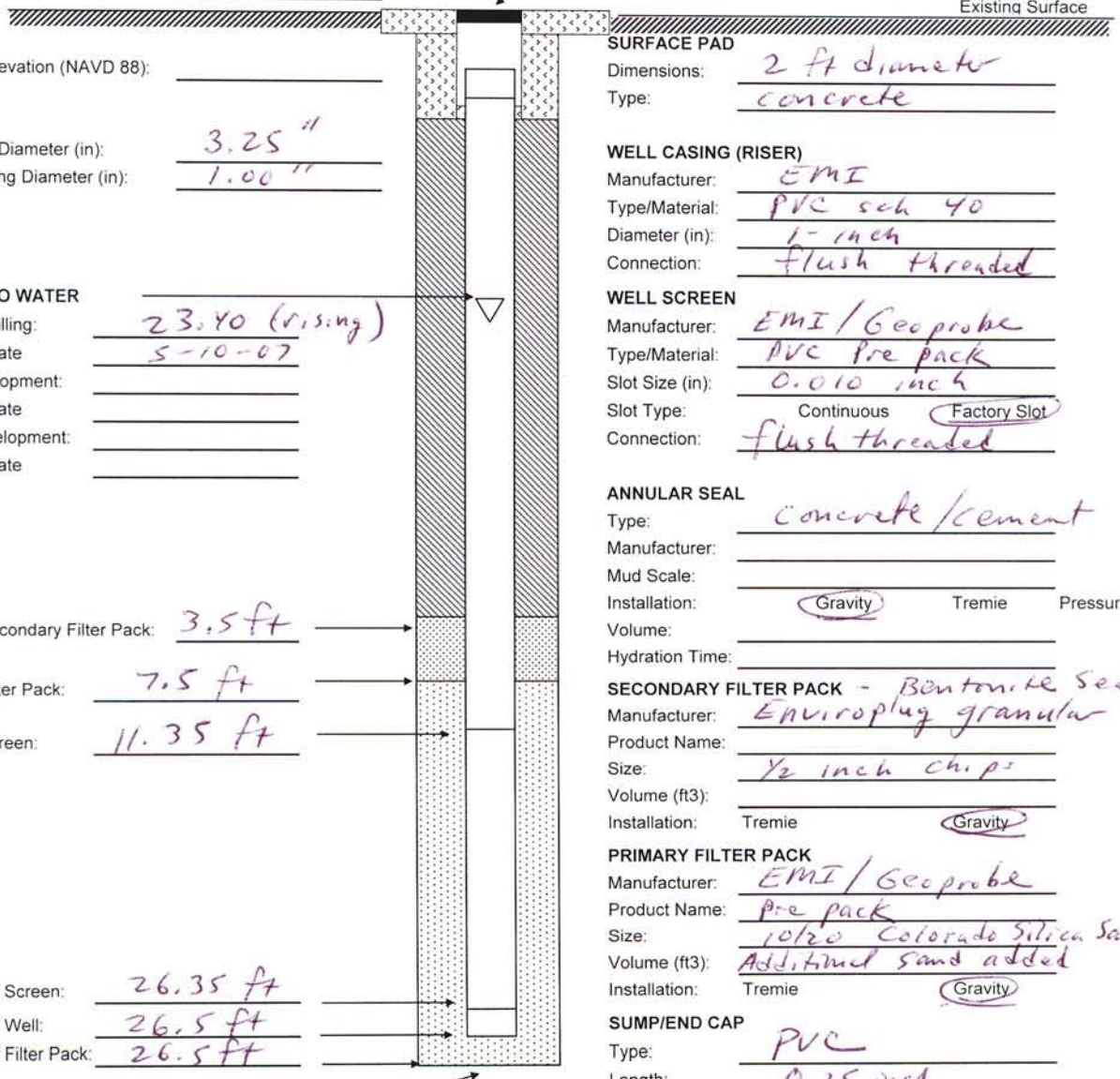
WELL/BORING ID: 5561-MW14 / DP-74
DRILLING METHOD: DPT
DATE(S): 5/10/07
SURVEYOR:
NORTHING (NAD 83):
EASTING (NAD 83):

NOT TO SCALE

Surface Elevation (NAVD 88):
Casing Elevation (NAVD 88):
Borehole Diameter (in): 3.25 "
Well Casing Diameter (in): 1.00 "

DEPTH TO WATER
During Drilling: 23.40 (rising)
Date: 5-10-07
Pre Development:
Date:
Post Development:
Date:

Top of Secondary Filter Pack: 3.5 ft
Top of Filter Pack: 7.5 ft
Top of Screen: 11.35 ft
Bottom of Screen: 26.35 ft
Bottom of Well: 26.5 ft
Bottom of Filter Pack: 26.5 ft
Borehole Depth: 26.5 ft



PROTECTIVE CASING
Type: 6.5-inch flush mount cover
Dimensions: 6.5 inch diameter
Length: 1.0 ft length

SURFACE PAD
Dimensions: 2 ft diameter
Type: concrete

WELL CASING (RISER)
Manufacturer: EMI
Type/Material: PVC sch 40
Diameter (in): 1-inch
Connection: flush threaded

WELL SCREEN
Manufacturer: EMI / Geoprobe
Type/Material: PVC Pre pack
Slot Size (in): 0.010 inch
Slot Type: Continuous (Factory Slot)
Connection: flush threaded

ANNULAR SEAL
Type: Concrete / Cement
Manufacturer:
Mud Scale:
Installation: (Gravity) Tremie Pressure
Volume:
Hydration Time:

SECONDARY FILTER PACK - Bentonite Seal
Manufacturer: Enviroplug granular
Product Name:
Size: ½ inch chips
Volume (ft3):
Installation: Tremie (Gravity)

PRIMARY FILTER PACK
Manufacturer: EMI / Geoprobe
Product Name: Pre pack
Size: 10/20 Colorado Silica Sand
Volume (ft3): Additional sand added
Installation: Tremie (Gravity)

SUMP/END CAP
Type: PVC
Length: 0.25 inch

BACKFILL MATERIAL
Type: N/A
Volume:

Comments:

MONITORING WELL DEVELOPMENT FORM

BHATE
Environmental Engineers and Scientist

Page 1 of

LOCATION	Site: SS-61	Location ID: MW-13	Date: 5-11-07
	Project Name: Groundwater Mon.	Project No./Phase: 9050361/01.02	Recorded By: Robert Curreri
EQUIPMENT	Pump Type/ID#: GeoPump (Fes)	Water Quality Meter/ID#: Horiba U-22 (Fes)	PID Type/ID#: N/A
	Water Level Indicator Type/ID#: Heron (Fes)	Other Equipment/ID#: Lamotte 2020 (Fes)	Decon Method: Alconox / DI H2O
	Tubing Type/Diameter (in): ¼ Poly tubing	Other Equipment/ID#:	PPE Level: (D) C B A
WELL INFO	(A) Initial Depth to Water (ft BTOC): 13.50	Casing: Type PVC Diam. (in) 1"	Weather: Sunny / Hot
	(B) Total Well Depth (ft BTOC): 24.44	(E) Casing Volume Multiplier (gal/lin ft): 0.04	Background PID (ppm): N/A
	(C) Water Column Thickness (ft) (B-A): 10.94	Screen Length (lin ft): 10' Prepacks	Breathing Zone PID (ppm): N/A
2:188	(D) Well Volume (gal) (C x E): 0.4376	Screen Info: Type: PVC Size: 0.010	Well Opening PID (ppm): N/A

CASING INFO										
Riseer/Well Casing Inner Diameter (in)	0.50	1.00	1.50	2.00	3.00	4.00	5.0	6.0	8.0	10
(D) Casing Volume Multiplier(gal/lin ft)	0.02	0.04	0.10	0.16	0.38	0.65	1.02	1.47	2.61	4.08

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (mL)	Pumping Rate (mLpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Remarks (odor, clarity, etc.)
5-11-07	1200	18.01	5500	550	19.5	7.97	0.37	7.84	337	-232	no odor - Cloudy
5-11-07	1210	18.45	11,000	550	19.5	7.92	0.37	3.71	93	-247	no odor - Cloudy
5-11-07	1220	18.20	16,500	550	19.5	8.07	0.36	2.57	41	-244	no odor - Clear
5-11-07	1230	18.07	22,000	550	19.6	8.30	0.36	2.36	15	-234	no odor - Clear
DEVELOPMENT CRITERIA											
+/- 10% unless otherwise noted					+/- 0.5	+/- 0.1	+/- 25	+/- 0.2	< 50.0	+/- 20	

COMMENTS:

MONITORING WELL DEVELOPMENT FORM

BHATE
Environmental Engineers and Scientist

LOCATION	Site: SS-61		Location ID: MW-14		Date: 5-11-07
	Project Name: Groundwater Mon.		Project No./Phase: 9050361/01.02		Recorded By: Robert Currence
EQUIPMENT	Pump Type/ID#: Geopump (Fes)		Water Quality Meter/ID#: Horiba U-22 (Fes)		PID Type/ID#: N/A
	Water Level Indicator Type/ID#: Heron (Fes)		Other Equipment/ID#: Lamotte 2020 (Fes)		Decon Method: Alconox \ DI H2O
	Tubing Type/Diameter (in): 1/4 Poly tubing		Other Equipment/ID#:		PPE Level: (D) C B A
WELL INFO	(A) Initial Depth to Water (ft BTOC): 16.05		Casing: Type PVC	Diam. (in) 1"	Weather: Sunny \ Warm
	(B) Total Well Depth (ft BTOC): 26.35		(E) Casing Volume Multiplier (gal/lin ft): 0.04		Background PID (ppm): N/A
	(C) Water Column Thickness (ft) (B-A): 10.30		Screen Length (lin ft): 10' Prepacks		Breathing Zone PID (ppm): N/A
	(D) Well Volume (gal) (C x E): 0.4120		Screen Info: Type: PVC	Size: 0.010	Well Opening PID (ppm): N/A

CASING INFO										
Riseer/Well Casing Inner Diameter (in)	0.50	1.00	1.50	2.00	3.00	4.00	5.0	6.0	8.0	10
(D) Casing Volume Multiplier(gal/lin ft)	0.02	0.04	0.10	0.16	0.38	0.65	1.02	1.47	2.61	4.08

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (mL)	Pumping Rate (mLpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Remarks (odor, clarity, etc.)
5-11-07	0920	21.51	2400	600	22.9	7.83	2.7	13.52	184	-185	Lt odor - Cloudy
5-11-07	0940	25.92	4800	600	23.1	7.85	2.6	4.62	216	-272	Lt odor - Cloudy
5-11-07	0945	26.35	6000	600	23.3	7.89	2.6	3.59	256	-327	Lt odor - Cloudy
5-11-07	1055	25.69	10,050	600	23.2	7.84	2.7	7.10	150	-277	Lt odor - Cloudy
5-11-07	1058	26.35	11,250	600	23.3	7.84	2.7	3.23	139	-324	Lt odor - Cloudy
DEVELOPMENT CRITERIA											
+/- 10% unless otherwise noted					+/- 0.5	+/- 0.1	+/- 25	+/- 0.2	< 50.0	+/- 20	

COMMENTS: 0930 - Stopped And Changed tubing to 0945 - Developed well Dry, letting It Recover 1045 - Restart Developing to 1058 Developed well Dry Second time to 5 well Volumes Removed.

MONITORING WELL SAMPLE COLLECTION FORM

BHATE
Environmental Engineers and Scientist

Page 1 of

LOCATION	Site: SS-61	Location ID: MW-13		Date: 5-12-07	
	Project Name: SS-61	Project No./Phase: 9050361/01.02		Recorded By: Robert Clerence	
EQUIPMENT	Pump Type/ID#: Geopump (FES)	Water Quality Meter/ID#: Horiba U-22 (FES)		PID Type/ID#: N/A	
	Water Level Indicator Type/ID#: Heron (FES)	Other Equipment/ID#: Lamotte 2020 (FES)		Decon Method: Alconox \ DI H20	
	Tubing Type/Diameter (in): 1/4 Poly tubing	Other Equipment/ID#:		PPE Level: (D) C B A	
WELL INFO	(A) Initial Depth to Water (ft BTOC): 13.55	Casing: Type PVC	Diam. (in) 1"	Weather: Sunny \ Nice	
	(B) Total Well Depth (ft BTOC): 24.44	(E) Casing Volume Multiplier (gal/lin ft): 0.04		Background PID (ppm): N/A	
	(C) Water Column Thickness (ft) (B-A): 10.89	Screen Length (lin ft): 10' Prepacks		Breathing Zone PID (ppm): N/A	
	(D) Well Volume (gal) (C x E): 0.4356	Screen Info: Type: PVC	Size: 0.010	Well Opening PID (ppm): N/A	

CASING INFO										
Riseer/Well Casing Inner Diameter (in)	0.50	1.00	1.50	2.00	3.00	4.00	5.0	6.0	8.0	10
(D) Casing Volume Multiplier(gal/lin ft)	0.02	0.04	0.10	0.16	0.38	0.65	1.02	1.47	2.61	4.08

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (mLl)	Pumping Rate (mLpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Remarks (odor, clarity, etc.)
5-12-07	0917	14.18	—	100	18.8	8.05	0.41	8.04	30	-72	no odor - Clear
5-12-07	0927	14.83	1000	100	18.8	7.26	0.37	6.00	20	-116	no odor - Clear
5-12-07	0937	14.85	2000	100	19.0	7.58	0.37	4.10	10	-155	no odor - Clear
5-12-07	0947	14.87	3000	100	19.1	7.65	0.36	3.55	5	-180	no odor - Clear
											— End purging —

Colorimeter Results				
Time	Analyte	Dilution	Result	Units

Sample Time
0955

Sample Identification
SS61 - MW-13

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 0.5	DO	+/- 0.2
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10
	Cond	+/- 25	ORP	+/- 10

No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
3	40 ml	VOAs	HCl	N	8260B	VOCs
2	1 L	Amber	None	N	8270	SVOC
2	1 L	Amber	80	N	8015	DRO
3	40 ml	VOAs	HCl	N	8015	GRO
1	.5 L	Plastic	HNO3	N	6010/7470	HM8
1	.5 L	Plastic	None	N		TDS

MONITORING WELL SAMPLE COLLECTION FORM

BHATE
Environmental Engineers and Scientist

Page 1 of

LOCATION	Site: SS-61	Location ID: MW-14		Date: 5-12-07	
	Project Name: SS-61	Project No./Phase: 9050361/01.02		Recorded By: Robert Currence	
EQUIPMENT	Pump Type/ID#: Geopump (Ees)	Water Quality Meter/ID#: Horiba U-22 (Ees)		PID Type/ID#: N/A	
	Water Level Indicator Type/ID#: Heron (Ees)	Other Equipment/ID#: Lamotte 2020 (Ees)		Decon Method: Alconox / DI H2O	
	Tubing Type/Diameter (in): 1/4 Poly tubing	Other Equipment/ID#:		PPE Level: (D) C B A	
WELL INFO	(A) Initial Depth to Water (ft BTOC): 16.04	Casing: Type PVC	Diam. (in) 1"	Weather: Sunny ~ Nice	
	(B) Total Well Depth (ft BTOC): 26.85	(E) Casing Volume Multiplier (gal/lin ft): 0.04		Background PID (ppm): N/A	
	(C) Water Column Thickness (ft) (B-A): 10.81	Screen Length (lin ft): 10' Prepacks		Breathing Zone PID (ppm): N/A	
	(D) Well Volume (gal) (C x E): 0.4124	Screen Info: Type: PVC	Size: 0.010	Well Opening PID (ppm): N/A	

CASING INFO										
Riseer/Well Casing Inner Diameter (in)	0.50	1.00	1.50	2.00	3.00	4.00	5.0	6.0	8.0	10
(D) Casing Volume Multiplier(gal/lin ft)	0.02	0.04	0.10	0.16	0.38	0.65	1.02	1.47	2.61	4.08

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (mLl)	Pumping Rate (mLpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Remarks (odor, clarity, etc.)
5-12-07	0733	17.09	—	100	21.6	7.66	2.7	8.36	23	-258	Lt Odor - Clear
5-12-07	0743	18.50	1000	100	22.2	7.78	2.6	8.54	8	-200	Lt odor - Clear
5-12-07	0753	20.92	2000	100	22.3	7.77	2.6	7.10	7	-228	Lt odor - Clear
5-12-07	0803	21.30	3000	100	22.4	7.79	2.6	5.91	5	-246	Lt odor - Clear
											— End purging —

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 ml	VOAs	HCl	N	8260B	VOCs
					2	1 L	Amber	None	N	8270	SVOC
Sample Time					2	1 L	Amber	80	N	8015	DRO
0810					3	40 ml	VOAs	HCl	N	8015	GRO
Sample Identification					1	.5 L	Plastic	HNO3	N	6010/7470	HM8
5561 - MW-14					1	.5 L	Plastic	None	N		TDS
Conversions	Stabilization Criteria										
1 L = 0.26 gals	Temp	+/- 0.5	DO	+/- 0.2							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10							
	Cond	+/- 25	ORP	+/- 10							

MONITORING WELL SAMPLE COLLECTION FORM

BHATE
Environmental Engineers and Scientist

Page 1 of

LOCATION	Site: SS-61	Location ID: SS61-TMW59		Date: 5/10/07	
	Project Name: SS-61	Project No./Phase: 9050361/01.02		Recorded By: CM	
EQUIPMENT	Pump Type/ID#: Geo pump	Water Quality Meter/ID#: Horiba U22		PID Type/ID#:	
	Water Level Indicator Type/ID#: Heron	Other Equipment/ID#:		Decon Method: Liquinox	
	Tubing Type/Diameter (in): 3/8	Other Equipment/ID#:		PPE Level: (D) C B A	
WELL INFO	(A) Initial Depth to Water (ft BTOC): 15.68	Casing: Type PVC	Diam. (in) 1	Weather: Sunny 80°	
	(B) Total Well Depth (ft BTOC): 24.02	(E) Casing Volume Multiplier (gal/lin ft): 0.04		Background PID (ppm):	
	(C) Water Column Thickness (ft) (B-A):	Screen Length (lin ft): 10'		Breathing Zone PID (ppm):	
	(D) Well Volume (gal) (C x E):	Screen Info: Type: Pre Packed	Size: 2"	Well Opening PID (ppm):	

CASING INFO											
Riseer/Well Casing Inner Diameter (in)	0.50	1.00	1.50	2.00	3.00	4.00	5.0	6.0	8.0	10
(D) Casing Volume Multiplier(gal/lin ft)	0.02	0.04	0.10	0.16	0.38	0.65	1.02	1.47	2.61	4.08

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (mLl)	Pumping Rate (mLpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Remarks (odor, clarity, etc.)
051007	0915	15.68	0	100	22.3	6.8	1.4	3.9	120	-81	Slightly Cloudy / No Odor
	0925		1000	100	22.5	6.8	1.4	3.3	110	-87	"
	0935		2000	100	22.9	6.9	1.5	3.1	90	-89	Clearing / Odor
		20.63	After	Sample							

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 ml	VOAs	HCl	N	8260B	VOCs
					2	1 L	Amber	None	N	8270	SVOC
Sample Time					2	1 L	Amber	80	N	8015	DRO
0945					3	40 ml	VOAs	HCl	N	8015	GRO
Sample Identification					1	.5 L	Plastic	HNO3	YES	6010/7470	HM8
SS61-TMW59					1	.5 L	Plastic	None	N		TDS
Conversions	Stabilization Criteria										
1 L = 0.26 gals	Temp	+/- 0.5	DO	+/- 0.2							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10							
	Cond	+/- 25	ORP	+/- 10							

MONITORING WELL SAMPLE COLLECTION FORM

EBHATE
Environmental Engineers and Scientist

Page 1 of

LOCATION	Site: SS-61	Location ID: TMW-60		Date: 5-10-07	
	Project Name: SS-61	Project No./Phase: 9050361/01.02		Recorded By: Robert Curreence	
EQUIPMENT	Pump Type/ID#: Geopump (Fes)	Water Quality Meter/ID#: Horiba U-22 (Fes)		PID Type/ID#: n/a	
	Water Level Indicator Type/ID#: Heron (Fes)	Other Equipment/ID#: Lamotte 2020 Fes		Decon Method: Alconox \ DI H2O	
	Tubing Type/Diameter (in): 1/4 Poly tubing	Other Equipment/ID#:		PPE Level: (D) C B A	
WELL INFO	(A) Initial Depth to Water (ft BTOC): 14.03	Casing: Type PVC	Diam. (in) 1"	Weather: Sunny \ Warm	
	(B) Total Well Depth (ft BTOC): 25.18	(E) Casing Volume Multiplier (gal/lin ft): 0.04		Background PID (ppm): n/a	
	(C) Water Column Thickness (ft) (B-A): 11.15	Screen Length (lin ft): 10' foot		Breathing Zone PID (ppm): n/a	
	(D) Well Volume (gal) (C x E): 0.446	Screen Info: Type: PVC	Size: 0.010	Well Opening PID (ppm): n/a	

CASING INFO										
Riseer/Well Casing Inner Diameter (in)	0.50	1.00	1.50	2.00	3.00	4.00	5.0	6.0	8.0	10
(D) Casing Volume Multiplier(gal/lin ft)	0.02	0.04	0.10	0.16	0.38	0.65	1.02	1.47	2.61	4.08

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (mL)	Pumping Rate (mLpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Remarks (odor, clarity, etc.)
5-10-07	1044	14.86	—	100	21.3	7.32	2.0	3.30	67	-328	lt odor - Cloudy
5-10-07	1054	16.39	1000	100	21.3	7.40	1.7	1.84	45	-367	lt odor - Clear
5-10-07	1104	17.82	2000	100	21.4	7.42	1.5	1.62	34	-362	lt odor - Clear
5-10-07	1114	19.10	3000	100	21.3	7.54	1.7	1.35	33	-363	lt odor - Clear
											End purging

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 ml	VOAs	HCl	N	8260B	VOCs
					2	1 L	Amber	None	N	8270	SVOC
Sample Time					2	1 L	Amber	80	N	8015	DRO
1120					3	40 ml	VOAs	HCl	N	8015	GRO
Sample Identification					1	.5 L	Plastic	HNO3	N	6010/7470	HM8
SS61-TMW-60					1	.5 L	Plastic	None	N		TDS

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 0.5	DO	+/- 0.2
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10
	Cond	+/- 25	ORP	+/- 10

MONITORING WELL SAMPLE COLLECTION FORM

EBHATE
Environmental Engineers and Scientist

Page 1 of 1

LOCATION	Site: SS-61			Location ID: SS61-TMW61						Date: 5-10-07			
	Project Name: SS-61			Project No./Phase: 9050361/01.02						Recorded By: CM			
EQUIPMENT	Pump Type/ID#: Geo pump			Water Quality Meter/ID#: Horiba U02						PID Type/ID#:			
	Water Level Indicator Type/ID#: Heron			Other Equipment/ID#:						Decon Method: Liquinox			
	Tubing Type/Diameter (in): 3/8"			Other Equipment/ID#:						PPE Level: (D) C B A			
WELL INFO	(A) Initial Depth to Water (ft BTOC): 14.41			Casing: Type PVC Diam. (in) 1						Weather: Sunny 80°			
	(B) Total Well Depth (ft BTOC): 24.90			(E) Casing Volume Multiplier (gal/lin ft):						Background PID (ppm):			
	(C) Water Column Thickness (ft) (B-A):			Screen Length (lin ft): 10'						Breathing Zone PID (ppm):			
	(D) Well Volume (gal) (C x E):			Screen Info: Type: Pre Packed Size: 2"						Well Opening PID (ppm):			
CASING INFO	Riseer/Well Casing Inner Diameter (in)	0.50		1.00	1.50	2.00	3.00	4.00		5.0	6.0	8.0	10
	(D) Casing Volume Multiplier(gal/lin ft)	0.02		0.04	0.10	0.16	0.38	0.65		1.02	1.47	2.61	4.08

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (mLl)	Pumping Rate (mLpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Remarks (odor, clarity, etc.)
051007	1050	14.41	0	75	21.9	6.9	1.3	4.2	320	-111	Cloudy / No Odor
	1100		750	75	24.4	7.0	1.3	3.3	210	-106	" "
	1110		1500	75	24.8	7.0	1.9	3.2	270	-119	" "
		15.32	At end of		sampling						

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 ml	VOAs	HCl	N	8260B	VOCs
					2	1 L	Amber	None	N	8270	SVOC
Sample Time					2	1 L	Amber	80	N	8015	DRO
1120					3	40 ml	VOAs	HCl	N	8015	GRO
Sample Identification					1	.5 L	Plastic	HNO3	YES	6010/7470	HM8
SS61-TMW61					1	.5 L	Plastic	None	N		TDS

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 0.5	DO	+/- 0.2
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10
	Cond	+/- 25	ORP	+/- 10

MONITORING WELL SAMPLE COLLECTION FORM

EBHATE
Environmental Engineers and Scientist

Page 1 of 1

LOCATION	Site: SS-61		Location ID: 5561-TMW62						Date: 5/10/07			
	Project Name: SS-61		Project No./Phase: 9050361/01.02						Recorded By:			
EQUIPMENT	Pump Type/ID#: Geopump		Water Quality Meter/ID#: Horiba U22						PID Type/ID#:			
	Water Level Indicator Type/ID#: Heron		Other Equipment/ID#:						Decon Method: Liquinox			
	Tubing Type/Diameter (in): 3/8"		Other Equipment/ID#:						PPE Level: (D) C B A			
WELL INFO	(A) Initial Depth to Water (ft BTOC): 12.77		Casing: Type		Diam. (in)				Weather: Sunny 80°			
	(B) Total Well Depth (ft BTOC): 22.81		(E) Casing Volume Multiplier (gal/lin ft):						Background PID (ppm):			
	(C) Water Column Thickness (ft) (B-A):		Screen Length (lin ft):						Breathing Zone PID (ppm):			
	(D) Well Volume (gal) (C x E):		Screen Info: Type: Pre Packed		Size: 2"				Well Opening PID (ppm):			

CASING INFO										
Riser/Well Casing Inner Diameter (in)	0.50	1.00	1.50	2.00	3.00	4.00	5.0	6.0	8.0	10
(D) Casing Volume Multiplier(gal/lin ft)	0.02	0.04	0.10	0.16	0.38	0.65	1.02	1.47	2.61	4.08

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (mLl)	Pumping Rate (mLpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Remarks (odor, clarity, etc.)
051007	1250	12.77	0	100	23.9	7.2	1.3	6.8	110	38	Clear / No Odor
	1300		1000	100	25.4	7.4	1.3	8.6	27	46	" "
	1310		2000	100	25.8	7.7	1.3	7.4	27	47	" "

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 ml	VOAs	HCl	N	8260B	VOCs
					2	1 L	Amber	None	N	8270	SVOC
Sample Time					2	1 L	Amber	80	N	8015	DRO
1320					3	40 ml	VOAs	HCl	N	8015	GRO
Sample Identification					1	.5 L	Plastic	HNO3	YES	6010/7470	HM8
5561-TMW62, MS, MSD					1	.5 L	Plastic	None	N		TDS

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 0.5	DO	+/- 0.2
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10
	Cond	+/- 25	ORP	+/- 10

MONITORING WELL SAMPLE COLLECTION FORM

EBHATE
Environmental Engineers and Scientist

LOCATION	Site: SS-61	Location ID: TMW-63		Date: 5-10-07	
	Project Name: SS-61	Project No./Phase: 9050361/01.02		Recorded By: Robert Curriveau	
EQUIPMENT	Pump Type/ID#: Geopump (FCS)	Water Quality Meter/ID#: Horiba U-22 (FCS)		PID Type/ID#: n/a	
	Water Level Indicator Type/ID#: Heron (FCS)	Other Equipment/ID#: Lamotte 2020 (FCS)		Decon Method: Alconox \ DI H2O	
	Tubing Type/Diameter (in): 1/4 Poly-tubing	Other Equipment/ID#:		PPE Level: (D) C B A	
WELL INFO	(A) Initial Depth to Water (ft BTOC): 12.55	Casing: Type PVC	Diam. (in) 1"	Weather: Sunny \ Hot	
	(B) Total Well Depth (ft BTOC): 24.93	(E) Casing Volume Multiplier (gal/lin ft): 0.04		Background PID (ppm): n/a	
	(C) Water Column Thickness (ft) (B-A): 12.38	Screen Length (lin ft): 10 feet		Breathing Zone PID (ppm): n/a	
	(D) Well Volume (gal) (C x E): 0.4952	Screen Info: Type: PVC	Size: 0.010	Well Opening PID (ppm): n/a	

CASING INFO										
Riseer/Well Casing Inner Diameter (in)	0.50	1.00	1.50	2.00	3.00	4.00	5.0	6.0	8.0	10
(D) Casing Volume Multiplier(gal/lin ft)	0.02	0.04	0.10	0.16	0.38	0.65	1.02	1.47	2.61	4.08

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (mL)	Pumping Rate (mLpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Remarks (odor, clarity, etc.)
5-10-07	1257	13.01	—	100	24.7	7.68	1.3	3.87	141	-337	Lt odor - Cloudy
5-10-07	1307	13.04	1000	100	23.9	7.51	1.3	2.65	35	-357	Lt odor - Clearer
5-10-07	1317	13.02	2000	100	24.6	7.49	1.3	2.07	19	-364	Lt odor - Clearer
5-10-07	1327	13.02	3000	100	24.2	7.68	1.3	1.96	13	-367	Lt odor - Clearer
											— end purging —

Colorimeter Results

Time	Analyte	Dilution	Result	Units

Sample Time
1335

Sample Identification
5561-TMW-63 / TMW-63A Duplicate

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 0.5	DO	+/- 0.2
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10
	Cond	+/- 25	ORP	+/- 10

No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
3	40 ml	VOAs	HCl	N	8260B	VOCs
2	1 L	Amber	None	N	8270	SVOC
2	1 L	Amber	80	N	8015	DRO
3	40 ml	VOAs	HCl	N	8015	GRO
1	.5 L	Plastic	HNO3	N	6010/7470	HM8
1	.5 L	Plastic	None	N		TDS

MONITORING WELL SAMPLE COLLECTION FORM

BHATE
Environmental Engineers and Scientist

Page 1 of

LOCATION	Site: SS-61	Location ID: TMW-64		Date: 5-10-07	
	Project Name: SS-61	Project No./Phase: 9050361/01.02		Recorded By: Robert Curreence	
EQUIPMENT	Pump Type/ID#: Geopump (Fes)	Water Quality Meter/ID#: Horiba U-22 (Fes)		PID Type/ID#: N/A	
	Water Level Indicator Type/ID#: Heron (Fes)	Other Equipment/ID#: Lamotte 2020 (Fes)		Decon Method: Alconox, DI H2O	
	Tubing Type/Diameter (in): 1/4 Poly tubing	Other Equipment/ID#:		PPE Level: (D) C B A	
WELL INFO	(A) Initial Depth to Water (ft BTOC): 16.01	Casing: Type PVC	Diam. (in) 1"	Weather: Sunny, Hot	
	(B) Total Well Depth (ft BTOC): 25.24	(E) Casing Volume Multiplier (gal/lin ft): 0.04		Background PID (ppm): N/A	
	(C) Water Column Thickness (ft) (B-A):	Screen Length (lin ft): 10 feet		Breathing Zone PID (ppm): N/A	
	(D) Well Volume (gal) (C x E):	Screen Info: Type: PVC	Size: 0.010	Well Opening PID (ppm): N/A	

CASING INFO										
Riseer/Well Casing Inner Diameter (in)	0.50	1.00	1.50	2.00	3.00	4.00	5.0	6.0	8.0	10
(D) Casing Volume Multiplier(gal/lin ft)	0.02	0.04	0.10	0.16	0.38	0.65	1.02	1.47	2.61	4.08

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (mLl)	Pumping Rate (mLpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Remarks (odor, clarity, etc.)
5-10-07	1552	16.39	——	100	23.2	8.12	0.56	10.58	130	-48	Lt odor - Cloudy
5-10-07	1602	16.80	1000	100	23.60	7.88	0.55	7.69	39	-31	Lt odor - Clear
5-10-07	1612	16.95	2000	100	22.5	7.63	0.55	6.41	29	-30	Lt odor - Clear
5-10-07	1622	17.01	3000	100	23.00	7.58	0.55	5.51	17	-30	Lt odor - Clear
											- End purging

Colorimeter Results				
Time	Analyte	Dilution	Result	Units

Sample Time: 1630

Sample Identification: SS61-TMW-64

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 0.5	DO	+/- 0.2
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10
	Cond	+/- 25	ORP	+/- 10

No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
3	40 ml	VOAs	HCl	N	8260B	VOCs
2	1 L	Amber	None	N	8270	SVOC
2	1 L	Amber	80	N	8015	DRO
3	40 ml	VOAs	HCl	N	8015	GRO
1	.5 L	Plastic	HNO3	N	6010/7470	HM8
1	.5 L	Plastic	None	N		TDS

MONITORING WELL SAMPLE COLLECTION FORM

BHATE
Environmental Engineers and Scientist

Page 1 of 1

LOCATION	Site: SS-61	Location ID: SS61-TMW65		Date: 5-11-07	
	Project Name: SS-61	Project No./Phase: 9050361/01.02		Recorded By: CM	
EQUIPMENT	Pump Type/ID#: Geopump	Water Quality Meter/ID#: Hor. Ba U22		PID Type/ID#:	
	Water Level Indicator Type/ID#: Heron	Other Equipment/ID#:		Decon Method: Liquinox	
	Tubing Type/Diameter (in): 3/8"	Other Equipment/ID#:		PPE Level: D C B A	
WELL INFO	(A) Initial Depth to Water (ft BTOC): 14.12'	Casing: Type PVC	Diam. (in) 1	Weather: Clear 65°	
	(B) Total Well Depth (ft BTOC): 22.98	(E) Casing Volume Multiplier (gal/lin ft):		Background PID (ppm):	
	(C) Water Column Thickness (ft) (B-A):	Screen Length (lin ft): 10'		Breathing Zone PID (ppm):	
	(D) Well Volume (gal) (C x E):	Screen Info: Type: Pre Packed	Size: 2	Well Opening PID (ppm):	

CASING INFO										
Riseer/Well Casing Inner Diameter (in)	0.50	1.00	1.50	2.00	3.00	4.00	5.0	6.0	8.0	10
(D) Casing Volume Multiplier(gal/lin ft)	0.02	0.04	0.10	0.16	0.38	0.65	1.02	1.47	2.61	4.08

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (mLl)	Pumping Rate (mLpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Remarks (odor, clarity, etc.)
051107	0820	14.12	0	75	21.1	7.0	0.37	6.7	160	57	Slightly Cloudy / No Odor
	0830		750	75	21.2	7.0	0.36	5.4	140	21	"
	0840		1500	75	21.3	7.0	0.36	9.8	49	3	Clearing
		1444	After	Sampling							

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 ml	VOAs	HCl	N	8260B	VOCs
					2	1 L	Amber	None	N	8270	SVOC
Sample Time					2	1 L	Amber	80	N	8015	DRO
0850					3	40 ml	VOAs	HCl	N	8015	GRO
Sample Identification					1	.5 L	Plastic	HNO3	Y/N	6010/7470	HM8
SS61-TMW65					1	.5 L	Plastic	None	N		TDS
Conversions	Stabilization Criteria										
1 L = 0.26 gals	Temp	+/- 0.5	DO	+/- 0.2							
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10							
	Cond	+/- 25	ORP	+/- 10							

MONITORING WELL SAMPLE COLLECTION FORM

BHATE
Environmental Engineers and Scientist

Page 1 of 1

LOCATION	Site: SS-61			Location ID: SS61-TMW67					Date: 5-11-07			
	Project Name: SS-61			Project No./Phase: 9050361/01.02					Recorded By: CM			
EQUIPMENT	Pump Type/ID#: Geopump			Water Quality Meter/ID#: Horiba U22					PID Type/ID#:			
	Water Level Indicator Type/ID#: Heron			Other Equipment/ID#:					Decon Method: Liquinox			
	Tubing Type/Diameter (in): 3/8"			Other Equipment/ID#:					PPE Level: (D) C B A			
WELL INFO	(A) Initial Depth to Water (ft BTOC): 14.77			Casing: Type PVC Diam. (in) 1					Weather: Sunny 75°			
	(B) Total Well Depth (ft BTOC): 23.25			(E) Casing Volume Multiplier (gal/lin ft):					Background PID (ppm):			
	(C) Water Column Thickness (ft) (B-A):			Screen Length (lin ft):					Breathing Zone PID (ppm):			
	(D) Well Volume (gal) (C x E):			Screen Info: Type: Prepacked Size: 2"					Well Opening PID (ppm):			

CASING INFO											
Riseer/Well Casing Inner Diameter (in)	0.50	1.00	1.50	2.00	3.00	4.00	5.0	6.0	8.0	10
(D) Casing Volume Multiplier(gal/lin ft)	0.02	0.04	0.10	0.16	0.38	0.65	1.02	1.47	2.61	4.08

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (mLl)	Pumping Rate (mLpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Remarks (odor, clarity, etc.)
051107	0935	14.77	0	100	22.1	6.8	1.6	4.8	390	15	Cloudy
	0945		1000	100	22.0	6.8	1.6	3.5	240	-42	"
	0955		2000	100	21.9	6.7	1.7	2.9	140	-64	"
		15.12	After	Sampling							

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 ml	VOAs	HCl	N	8260B	VOCs
					2	1 L	Amber	None	N	8270	SVOC
Sample Time					2	1 L	Amber	80	N	8015	DRO
1005					3	40 ml	VOAs	HCl	N	8015	GRO
Sample Identification					1	.5 L	Plastic	HNO3	YES	6010/7470	HM8
SS61-TMW67					1	.5 L	Plastic	None	N		TDS

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 0.5	DO	+/- 0.2
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10
	Cond	+/- 25	ORP	+/- 10

MONITORING WELL SAMPLE COLLECTION FORM

EBHATE
Environmental Engineers and Scientist

LOCATION	Site: SS-61	Location ID: SS61-TMW69		Date: 5-11-07	
	Project Name: SS-61	Project No./Phase: 9050361/01.02		Recorded By:	
EQUIPMENT	Pump Type/ID#: Geo pump	Water Quality Meter/ID#: Horiba U22		PID Type/ID#:	
	Water Level Indicator Type/ID#: Heron	Other Equipment/ID#:		Decon Method: Liquinox	
	Tubing Type/Diameter (in): 3/8"	Other Equipment/ID#:		PPE Level: (D) C B A	
WELL INFO	(A) Initial Depth to Water (ft BTOC): 13.85'	Casing: Type PVC	Diam. (in) 1"	Weather: Clear 80°	
	(B) Total Well Depth (ft BTOC): 23.50'	(E) Casing Volume Multiplier (gal/lin ft):		Background PID (ppm):	
	(C) Water Column Thickness (ft) (B-A):	Screen Length (lin ft):		Breathing Zone PID (ppm):	
	(D) Well Volume (gal) (C x E):	Screen Info: Type: Prepacked	Size: 2"	Well Opening PID (ppm):	

CASING INFO										
Riseer/Well Casing Inner Diameter (in)	0.50	1.00	1.50	2.00	3.00	4.00	5.0	6.0	8.0	10
(D) Casing Volume Multiplier(gal/lin ft)	0.02	0.04	0.10	0.16	0.38	0.65	1.02	1.47	2.61	4.08

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (mLl)	Pumping Rate (mLpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Remarks (odor, clarity, etc.)
		NO PARAMETERS TAKEN									
		Because of low Recharge									

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 ml	VOAs	HCl	N	8260B	VOCs
					2	1 L	Amber	None	N	8270	SVOC
Sample Time					2	1 L	Amber	80	N	8015	DRO
1100					3	40 ml	VOAs	HCl	N	8015	GRO
Sample Identification					1	.5 L	Plastic	HNO3	YES	6010/7470	HM8
SS61-TMW69					1	.5 L	Plastic	None	N		TDS

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 0.5	DO	+/- 0.2
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10
	Cond	+/- 25	ORP	+/- 10

MONITORING WELL SAMPLE COLLECTION FORM

BHATE
Environmental Engineers and Scientist

Page 1 of 1

LOCATION	Site: SS-61	Location ID: 5561 - TMW70		Date: 5-11-07	
	Project Name: SS-61	Project No./Phase: 9050361/01.02		Recorded By: CM	
EQUIPMENT	Pump Type/ID#: Geopump	Water Quality Meter/ID#: Horiba U82		PID Type/ID#:	
	Water Level Indicator Type/ID#: Heron	Other Equipment/ID#:		Decon Method: Liquinox	
	Tubing Type/Diameter (in): 3/8"	Other Equipment/ID#:		PPE Level: (D) C B A	
WELL INFO	(A) Initial Depth to Water (ft BTOC): 13.09	Casing: Type PVC	Diam. (in) 1	Weather: Sunny 85°	
	(B) Total Well Depth (ft BTOC): 17.15	(E) Casing Volume Multiplier (gal/lin ft):		Background PID (ppm):	
	(C) Water Column Thickness (ft) (B-A):	Screen Length (lin ft): 10		Breathing Zone PID (ppm):	
	(D) Well Volume (gal) (C x E):	Screen Info: Type: Prepacked	Size: 2"	Well Opening PID (ppm):	

CASING INFO										
Riseer/Well Casing Inner Diameter (in)	0.50	1.00	1.50	2.00	3.00	4.00	5.0	6.0	8.0	10
(D) Casing Volume Multiplier(gal/lin ft)	0.02	0.04	0.10	0.16	0.38	0.65	1.02	1.47	2.61	4.08

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (mLl)	Pumping Rate (mLpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Remarks (odor, clarity, etc.)
		NO		PARAMETERS				TAKEN			
		BECAUSE			OF		SLOW		RECHARGE		

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 ml	VOAs	HCl	N	8260B	VOCs
					2	1 L	Amber	None	N	8270	SVOC
Sample Time					2	1 L	Amber	80	N	8015	DRO
1215					3	40 ml	VOAs	HCl	N	8015	GRO
Sample Identification					1	.5 L	Plastic	HNO3	YES	6010/7470	HM8
5561 - TMW70					1	.5 L	Plastic	None	N		TDS

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 0.5	DO	+/- 0.2
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10
	Cond	+/- 25	ORP	+/- 10

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

10/29/08

Technical Report for

Bhate Environmental Associates, Inc.

HOLMN

9050361.01.02

Accutest Job Number: F49337

Sampling Date: 05/07/07

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **135**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.

Test results relate only to samples analyzed.

Note: This report is password protected to disallow document modification or assembly.
A password to unlock this report is available from your client service representative.

Sections: 1 2 3 4 5 6 7 8 9

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **7**
3.1: F49337-1: SS61-DP60 14 8
3.2: F49337-2: SS61-DP60 19 17
3.3: F49337-3: SS61-DP60 24 26
3.4: F49337-4: SS61-DP58 18 35
3.5: F49337-5: SS61-DP59 17 44
3.6: F49337-6: SS61-DP59 25 53
3.7: F49337-7: SS61-TB 62
Section 4: Misc. Forms **66**
4.1: Chain of Custody 67
Section 5: GC/MS Volatiles - QC Data Summaries **70**
5.1: Method Blank Summary 71
5.2: Blank Spike Summary 81
5.3: Matrix Spike/Matrix Spike Duplicate Summary 91
Section 6: GC/MS Semi-volatiles - QC Data Summaries **101**
6.1: Method Blank Summary 102
6.2: Blank Spike Summary 108
6.3: Matrix Spike/Matrix Spike Duplicate Summary 111
Section 7: GC Volatiles - QC Data Summaries **114**
7.1: Method Blank Summary 115
7.2: Blank Spike Summary 117
7.3: Matrix Spike/Matrix Spike Duplicate Summary 119
Section 8: GC Semi-volatiles - QC Data Summaries **121**
8.1: Method Blank Summary 122
8.2: Blank Spike Summary 123
8.3: Matrix Spike/Matrix Spike Duplicate Summary 124
Section 9: Metals Analysis - QC Data Summaries **125**
9.1: Prep QC MP11961: Hg 126
9.2: Prep QC MP12007: As,Ba,Cd,Cr,Pb,Se,Ag 131

Sample Summary

Bhate Environmental Associates, Inc.

Job No: F49337

HOLMN
Project No: 9050361.01.02

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F49337-1	05/07/07	14:10	BW	05/08/07	SO	Soil	SS61-DP60 14
F49337-2	05/07/07	14:30	BW	05/08/07	SO	Soil	SS61-DP60 19
F49337-3	05/07/07	14:50	BW	05/08/07	SO	Soil	SS61-DP60 24
F49337-4	05/07/07	11:45	BW	05/08/07	SO	Soil	SS61-DP58 18
F49337-5	05/07/07	12:40	BW	05/08/07	SO	Soil	SS61-DP59 17
F49337-6	05/07/07	13:10	BW	05/08/07	SO	Soil	SS61-DP59 25
F49337-7	05/07/07	00:00	BW	05/08/07	SO	Trip Blank Soil	SS61-TB

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Bhate Environmental Associates, Inc. **Job No:** F49337

Site: HOLMN **Report Date** 5/25/2007 2:51:54 PM

6 Samples, 1 Trip Blank were collected on 05/07/2007 and received at Accutest on 05/08/2007 properly preserved, at 2 Deg. C and intact. These Samples received an Accutest job number of F49337. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VF364

All samples were analyzed within the recommended method holding time.

Sample(s) F49392-1MS, F49392-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for 1,2,4-Trichlorobenzene, Hexachlorobutadiene are outside control limits. Biased high, not detected in the samples. Data integrity not adversely affected.

MS and/or MSD Recovery(s) for Acetone, Acetonitrile, Propionitrile, Tetrachloroethylene are outside control limits. Probable cause due to matrix interference.

Sample(s) F49486-32MS have surrogates outside control limits. Probable cause due to matrix interference.

Matrix: SO **Batch ID:** VF365

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for Hexachlorobutadiene, Tetrachloroethylene are outside control limits. Biased high, not detected in the samples, data integrity not compromized.

Sample(s) F49486-32MS have surrogates outside control limits. Probable cause due to matrix interference.

F49337-1 for Hexane: CCV outside of control limits; results may be biased high.

F49337-2 for Hexane: CCV outside of control limits; results may be biased high.

Matrix: SO **Batch ID:** VF366

Sample(s) F49486-32MS, F49486-32MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for Tetrachloroethylene are outside control limits. Biased high, not detecte in the samples, data integrity not adversely affected.

Matrix Spike Recovery(s) for 1,1,2,2-Tetrachloroethane, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, Acetone, Acetonitrile, Bromobenzene, cis-1,4-Dichloro-2-Butene, Dichlorodifluoromethane, Ethyl methacrylate, Hexachlorobutadiene, Hexane, Methacrylonitrile, Methyl ethyl ketone, n-Butylbenzene, n-Propylbenzene, Naphthalene, o-Chlorotoluene, p-Chlorotoluene, Propionitrile, Toluene, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VF366

Matrix Spike Duplicate Recovery(s) for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Acetone, Acetonitrile, Bromobenzene, Dichlorodifluoromethane, Ethyl methacrylate, Hexachlorobutadiene, Hexane, Methacrylonitrile, Methyl ethyl ketone, Methyl methacrylate, n-Butylbenzene, Naphthalene, p-Isopropyltoluene, Propionitrile, sec-Butylbenzene, Toluene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference. See Blank Spike for method performance in clean matrix.

RPD(s) for MSD for cis-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits for sample F49486-32MSD. Probable cause due to sample homogeneity.

Sample(s) F49486-32MS have surrogates outside control limits. Probable cause due to matrix interference.

F49337-6 for Carbon disulfide: CCV outside of control limits; results may be biased high.

F49337-6 for Acetone: CCV outside of control limits; results may be biased high.

Matrix: SO **Batch ID:** VH1631

Sample(s) F49486-32MS have surrogates outside control limits. Probable cause due to matrix interference.

Extractables by GCMS By Method SW846 8270C

Matrix: SO **Batch ID:** OP20671

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F49337-4MS, F49337-4MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Matrix Spike Recovery(s) for 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Chloronaphthalene, 2-Chlorophenol, 2-Methylnaphthalene, 2-Methylphenol, 2-Nitrophenol, 3&4-Methylphenol, 4,6-Dinitro-o-cresol, 4-Bromophenyl phenyl ether, 4-Chloro-3-methyl phenol, 4-Chlorophenyl phenyl ether, 4-Nitrophenol, Acenaphthene, Acenaphthylene, Anthracene, Benzidine, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Benzoic acid, bis(2-Chloroethoxy)methane, bis(2-Chloroethyl)ether, bis(2-Chloroisopropyl)ether, bis(2-Ethylhexyl)phthalate, Butyl benzyl phthalate, Chrysene, Di-n-butyl phthalate, Di-n-octyl phthalate, Dibenzo(a,h)anthracene, Dibenzofuran, Diethyl phthalate, Dimethyl phthalate, Fluoranthene, Fluorene, Hexachlorobenzene, Hexachlorobutadiene, Hexachloroethane, Indeno(1,2,3-cd)pyrene, Isophorone, N-Nitroso-di-n-propylamine, Naphthalene, Nitrobenzene, Pentachlorophenol, Phenanthrene, Phenol, Pyrene are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 2,4-Dinitrophenol, 4,6-Dinitro-o-cresol, Benzidine, Hexachloroethane are outside control limits. Probable cause due to matrix interference. See Blank Spike.

RPD(s) for MSD for 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Nitroaniline, 3,3'-Dichlorobenzidine, 3-Nitroaniline, 4-Bromophenyl phenyl ether, 4-Chloro-3-methyl phenol, 4-Chlorophenyl phenyl ether, 4-Nitroaniline, 4-Nitrophenol, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, bis(2-Ethylhexyl)phthalate, Butyl benzyl phthalate, Chrysene, Di-n-butyl phthalate, Di-n-octyl phthalate, Dibenzo(a,h)anthracene, Dibenzofuran, Diethyl phthalate, Dimethyl phthalate, Fluoranthene, Fluorene, Hexachlorobenzene, Indeno(1,2,3-cd)pyrene, N-Nitrosodiphenylamine, Pentachlorophenol, Phenanthrene are outside control limits for sample OP20671-MSD. Probable cause due to sample homogeneity.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GCD3187

All samples were analyzed within the recommended method holding time.

Sample(s) F49337-6MS, F49337-6MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Sample(s) F49337-3, F49337-6, F49337-6MS, F49337-6MSD, F49337-3 have surrogates outside control limits. Probable cause due to matrix interference.

F49337-3: Confirmation run.

F49337-3 for 4-Bromofluorobenzene: En Core samples were not preserved within 48 hours.

F49337-6MSD for 4-Bromofluorobenzene: Outside control limits due to matrix interference.

F49337-6 for 4-Bromofluorobenzene: Outside control limits due to matrix interference.

F49337-6MS for 4-Bromofluorobenzene: Outside control limits due to matrix interference.

F49337-6 for 4-Bromofluorobenzene: Result reported from PID.

F49337-6MSD for 4-Bromofluorobenzene: Result reported from PID.

F49337-6MS for 4-Bromofluorobenzene: Result reported from PID.

Matrix: SO **Batch ID:** GCD3189

All samples were analyzed within the recommended method holding time.

Sample(s) F49367-6MS, F49367-6MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Sample(s) F49337-3, F49337-6, F49337-6MS, F49337-6MSD, F49337-3 have surrogates outside control limits. Probable cause due to matrix interference.

F49337-3 for 4-Bromofluorobenzene: Outside control limits due to matrix interference. Confirmed by reanalysis.

Extractables by GC By Method SW846 8015 M

Matrix: SO **Batch ID:** OP20658

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F49392-6MS, F49392-6MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Matrix Spike Duplicate Recovery(s) for TPH (C10-C22) are outside control limits. Probable cause due to matrix interference.

Metals By Method SW846 6010B

Matrix: SO **Batch ID:** MP12007

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49337-1DUP, F49337-1MS, F49337-1MSD, F49337-1SDL were used as the QC samples for metals.

RPD(s) for Duplicate for Arsenic are outside control limits for sample MP12007-D1. RPD acceptable due to low duplicate and sample concentrations.

RPD(s) for Serial Dilution for Arsenic, Cadmium, Chromium, Lead are outside control limits for sample MP12007-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

F49337-2 for Selenium: Elevated reporting limit(s) due to matrix interference.

MP12007-SD1 for Lead: Serial dilution indicates possible matrix interference.

F49337-5 for Selenium: Elevated reporting limit(s) due to matrix interference.

F49337-4 for Selenium: Elevated reporting limit(s) due to matrix interference.

F49337-1 for Selenium: Elevated reporting limit(s) due to matrix interference.

MP12007-SD1 for Chromium: Serial dilution indicates possible matrix interference.

F49337-6 for Selenium: Elevated reporting limit(s) due to matrix interference.

Metals By Method SW846 7471A

Matrix: SO **Batch ID:** MP11961

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49337-1DUP, F49337-1MS, F49337-1MSD, F49337-1SDL were used as the QC samples for metals.

RPD(s) for Serial Dilution for Mercury are outside control limits for sample MP11961-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Wet Chemistry By Method EPA 160.3 M

Matrix: SO **Batch ID:** GN25377

Sample(s) F49290-1DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: May 25, 2007

Svetlana Izosimova, QAO (signature on file)

Narrative revised by:

_____ Date: May 29, 2007

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-DP60 14		
Lab Sample ID:	F49337-1	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.6
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F021363.D	1	05/19/07	WJ	05/08/07 11:04	n/a	VF365
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.95 g	5.0 ml	1.0 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	310000	160000	ug/kg	
75-05-8	Acetonitrile	ND	310000	220000	ug/kg	
107-02-8	Acrolein	ND	160000	94000	ug/kg	
107-13-1	Acrylonitrile	ND	160000	78000	ug/kg	
107-05-1	Allyl chloride	ND	160000	31000	ug/kg	
71-43-2	Benzene	ND	31000	13000	ug/kg	
100-44-7	Benzyl Chloride	ND	31000	19000	ug/kg	
108-86-1	Bromobenzene	ND	31000	13000	ug/kg	
74-97-5	Bromochloromethane	ND	31000	13000	ug/kg	
75-27-4	Bromodichloromethane	ND	31000	13000	ug/kg	
75-25-2	Bromoform	ND	31000	13000	ug/kg	
104-51-8	n-Butylbenzene	ND	31000	19000	ug/kg	
135-98-8	sec-Butylbenzene	ND	31000	13000	ug/kg	
98-06-6	tert-Butylbenzene	ND	31000	13000	ug/kg	
108-90-7	Chlorobenzene	ND	31000	13000	ug/kg	
75-00-3	Chloroethane	ND	31000	19000	ug/kg	
67-66-3	Chloroform	ND	31000	13000	ug/kg	
544-10-5	1-Chlorohexane	ND	31000	13000	ug/kg	
95-49-8	o-Chlorotoluene	ND	31000	13000	ug/kg	
106-43-4	p-Chlorotoluene	ND	31000	13000	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	160000	78000	ug/kg	
75-15-0	Carbon disulfide	ND	31000	13000	ug/kg	
56-23-5	Carbon tetrachloride	ND	31000	13000	ug/kg	
75-34-3	1,1-Dichloroethane	ND	31000	13000	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	31000	13000	ug/kg	
563-58-6	1,1-Dichloropropene	ND	31000	13000	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	31000	19000	ug/kg	
106-93-4	1,2-Dibromoethane	ND	31000	13000	ug/kg	
107-06-2	1,2-Dichloroethane	ND	31000	13000	ug/kg	
78-87-5	1,2-Dichloropropane	ND	31000	13000	ug/kg	
142-28-9	1,3-Dichloropropane	ND	31000	13000	ug/kg	
594-20-7	2,2-Dichloropropane	ND	31000	13000	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP60 14		
Lab Sample ID:	F49337-1	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.6
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	31000	13000	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	31000	19000	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	31000	13000	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	31000	13000	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	160000	31000	ug/kg	
541-73-1	m-Dichlorobenzene	ND	31000	13000	ug/kg	
95-50-1	o-Dichlorobenzene	ND	31000	13000	ug/kg	
106-46-7	p-Dichlorobenzene	ND	31000	13000	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	31000	13000	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	31000	13000	ug/kg	
100-41-4	Ethylbenzene	66500	31000	13000	ug/kg	
97-63-2	Ethyl methacrylate	ND	160000	31000	ug/kg	
76-13-1	Freon 113	ND	31000	13000	ug/kg	
591-78-6	2-Hexanone	ND	160000	63000	ug/kg	
87-68-3	Hexachlorobutadiene	ND	31000	13000	ug/kg	
110-54-3	Hexane [a]	76100	31000	19000	ug/kg	J
98-82-8	Isopropylbenzene	106000	31000	13000	ug/kg	
99-87-6	p-Isopropyltoluene	ND	31000	13000	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	160000	63000	ug/kg	
126-98-7	Methacrylonitrile	ND	160000	63000	ug/kg	
74-83-9	Methyl bromide	ND	31000	13000	ug/kg	
74-87-3	Methyl chloride	ND	31000	13000	ug/kg	
74-88-4	Methyl iodide	ND	63000	13000	ug/kg	
80-62-6	Methyl methacrylate	ND	160000	31000	ug/kg	
74-95-3	Methylene bromide	ND	31000	13000	ug/kg	
75-09-2	Methylene chloride	ND	63000	31000	ug/kg	
78-93-3	Methyl ethyl ketone	ND	160000	63000	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	31000	13000	ug/kg	
91-20-3	Naphthalene	ND	31000	13000	ug/kg	
76-01-7	Pentachloroethane	ND	160000	31000	ug/kg	
107-12-0	Propionitrile	ND	310000	63000	ug/kg	
103-65-1	n-Propylbenzene	14100	31000	13000	ug/kg	J
100-42-5	Styrene	ND	31000	13000	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	31000	13000	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	31000	13000	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	31000	13000	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	31000	13000	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	31000	13000	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	31000	16000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	31000	13000	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP60 14		
Lab Sample ID:	F49337-1	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.6
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	151000	31000	19000	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	76500	31000	13000	ug/kg	
127-18-4	Tetrachloroethylene	ND	31000	13000	ug/kg	
108-88-3	Toluene	289000	31000	13000	ug/kg	
79-01-6	Trichloroethylene	ND	31000	13000	ug/kg	
75-69-4	Trichlorofluoromethane	ND	31000	13000	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	160000	63000	ug/kg	
75-01-4	Vinyl chloride	ND	31000	13000	ug/kg	
108-05-4	Vinyl Acetate	ND	160000	63000	ug/kg	
	m,p-Xylene	626000	63000	19000	ug/kg	
95-47-6	o-Xylene	230000	31000	13000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-121%
2037-26-5	Toluene-D8	96%		71-130%
460-00-4	4-Bromofluorobenzene	102%		59-148%
17060-07-0	1,2-Dichloroethane-D4	85%		77-123%

(a) CCV outside of control limits; results may be biased high.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP60 14		
Lab Sample ID:	F49337-1	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	81.6
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U002175.D	1	05/22/07	NJ	05/21/07	OP20671	SU110
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	1000	410	ug/kg	
95-57-8	2-Chlorophenol	ND	200	41	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	200	41	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	200	41	ug/kg	
105-67-9	2,4-Dimethylphenol	50.4	200	41	ug/kg	J
51-28-5	2,4-Dinitrophenol	ND	1000	410	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	410	81	ug/kg	
95-48-7	2-Methylphenol	49.9	200	41	ug/kg	J
	3&4-Methylphenol	89.6	200	41	ug/kg	J
88-75-5	2-Nitrophenol	ND	200	41	ug/kg	
100-02-7	4-Nitrophenol	ND	1000	410	ug/kg	
87-86-5	Pentachlorophenol	ND	1000	410	ug/kg	
108-95-2	Phenol	ND	200	41	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	41	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	41	ug/kg	
83-32-9	Acenaphthene	ND	200	41	ug/kg	
208-96-8	Acenaphthylene	ND	200	41	ug/kg	
120-12-7	Anthracene	ND	200	41	ug/kg	
92-87-5	Benzidine	ND	2000	1000	ug/kg	
56-55-3	Benzo(a)anthracene	ND	200	41	ug/kg	
50-32-8	Benzo(a)pyrene	ND	200	41	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	200	41	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	200	81	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	200	41	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	200	41	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	410	100	ug/kg	
100-51-6	Benzyl Alcohol	ND	200	41	ug/kg	
91-58-7	2-Chloronaphthalene	ND	200	41	ug/kg	
106-47-8	4-Chloroaniline	ND	410	160	ug/kg	
218-01-9	Chrysene	ND	200	41	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	200	41	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	200	81	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP60 14		
Lab Sample ID:	F49337-1	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	81.6
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	200	41	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	200	41	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	200	41	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	200	41	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	200	41	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	200	81	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	200	81	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	410	200	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	200	81	ug/kg	
132-64-9	Dibenzofuran	ND	200	41	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	410	100	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	410	200	ug/kg	
84-66-2	Diethyl phthalate	ND	410	100	ug/kg	
131-11-3	Dimethyl phthalate	ND	410	100	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	410	200	ug/kg	
206-44-0	Fluoranthene	ND	200	41	ug/kg	
86-73-7	Fluorene	ND	200	41	ug/kg	
118-74-1	Hexachlorobenzene	ND	200	41	ug/kg	
87-68-3	Hexachlorobutadiene	ND	200	81	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	200	81	ug/kg	
67-72-1	Hexachloroethane	ND	200	81	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	200	81	ug/kg	
78-59-1	Isophorone	ND	200	41	ug/kg	
91-57-6	2-Methylnaphthalene	ND	200	41	ug/kg	
88-74-4	2-Nitroaniline	ND	410	100	ug/kg	
99-09-2	3-Nitroaniline	ND	410	100	ug/kg	
100-01-6	4-Nitroaniline	ND	410	140	ug/kg	
91-20-3	Naphthalene	55.9	200	41	ug/kg	J
98-95-3	Nitrobenzene	ND	200	41	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	200	81	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	41	ug/kg	
85-01-8	Phenanthrene	ND	200	41	ug/kg	
129-00-0	Pyrene	ND	200	81	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	200	41	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	54%		40-102%
4165-62-2	Phenol-d5	67%		41-100%
118-79-6	2,4,6-Tribromophenol	71%		42-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP60 14		
Lab Sample ID:	F49337-1	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	81.6
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	62%		40-105%
321-60-8	2-Fluorobiphenyl	63%		43-107%
1718-51-0	Terphenyl-d14	74%		45-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP60 14		
Lab Sample ID:	F49337-1	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	81.6
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD076940.D	10	05/11/07	MM	05/08/07 11:04	n/a	GCD3189
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.95 g	5.0 ml	2.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	8050	3100	1600	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	118%		56-136%
98-08-8	aaa-Trifluorotoluene	74%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP60 14		
Lab Sample ID:	F49337-1	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	81.6
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02461.D	1	05/22/07	MG	05/21/07	OP20658	GYY96
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	14.9	10	6.0	mg/kg	
	TPH (> C22-C36)	ND	10	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	68%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP60 14		
Lab Sample ID:	F49337-1	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
		Percent Solids:	81.6
Project:	HOLMN		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.95	0.48	0.23	mg/kg	1	05/17/07	05/17/07	RS	SW846 6010B [2]	SW846 3050B [4]
Barium	57.4	12	0.30	mg/kg	1	05/17/07	05/17/07	RS	SW846 6010B [2]	SW846 3050B [4]
Cadmium	0.22 J	0.24	0.060	mg/kg	1	05/17/07	05/17/07	RS	SW846 6010B [2]	SW846 3050B [4]
Chromium	6.6	0.60	0.054	mg/kg	1	05/17/07	05/17/07	RS	SW846 6010B [2]	SW846 3050B [4]
Lead	20.7	6.0	0.12	mg/kg	1	05/17/07	05/17/07	RS	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.0089 J	0.099	0.0079	mg/kg	1	05/12/07	05/12/07	MS	SW846 7471A [1]	SW846 7471A [3]
Selenium [a]	12 U	24	12	mg/kg	1	05/17/07	05/17/07	RS	SW846 6010B [2]	SW846 3050B [4]
Silver	0.054 U	0.60	0.054	mg/kg	1	05/17/07	05/17/07	RS	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA5706
(2) Instrument QC Batch: MA5721
(3) Prep QC Batch: MP11961
(4) Prep QC Batch: MP12007

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-DP60 19		
Lab Sample ID:	F49337-2	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.0
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F021365.D	1	05/19/07	WJ	05/08/07 11:04	n/a	VF365
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.03 g	5.0 ml	1.0 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	310000	150000	ug/kg	
75-05-8	Acetonitrile	ND	310000	220000	ug/kg	
107-02-8	Acrolein	ND	150000	92000	ug/kg	
107-13-1	Acrylonitrile	ND	150000	77000	ug/kg	
107-05-1	Allyl chloride	ND	150000	31000	ug/kg	
71-43-2	Benzene	146000	31000	12000	ug/kg	
100-44-7	Benzyl Chloride	ND	31000	18000	ug/kg	
108-86-1	Bromobenzene	ND	31000	12000	ug/kg	
74-97-5	Bromochloromethane	ND	31000	12000	ug/kg	
75-27-4	Bromodichloromethane	ND	31000	12000	ug/kg	
75-25-2	Bromoform	ND	31000	12000	ug/kg	
104-51-8	n-Butylbenzene	ND	31000	18000	ug/kg	
135-98-8	sec-Butylbenzene	ND	31000	12000	ug/kg	
98-06-6	tert-Butylbenzene	ND	31000	12000	ug/kg	
108-90-7	Chlorobenzene	ND	31000	12000	ug/kg	
75-00-3	Chloroethane	ND	31000	18000	ug/kg	
67-66-3	Chloroform	ND	31000	12000	ug/kg	
544-10-5	1-Chlorohexane	ND	31000	12000	ug/kg	
95-49-8	o-Chlorotoluene	ND	31000	12000	ug/kg	
106-43-4	p-Chlorotoluene	ND	31000	12000	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	150000	77000	ug/kg	
75-15-0	Carbon disulfide	ND	31000	12000	ug/kg	
56-23-5	Carbon tetrachloride	ND	31000	12000	ug/kg	
75-34-3	1,1-Dichloroethane	ND	31000	12000	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	31000	12000	ug/kg	
563-58-6	1,1-Dichloropropene	ND	31000	12000	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	31000	18000	ug/kg	
106-93-4	1,2-Dibromoethane	ND	31000	12000	ug/kg	
107-06-2	1,2-Dichloroethane	ND	31000	12000	ug/kg	
78-87-5	1,2-Dichloropropane	ND	31000	12000	ug/kg	
142-28-9	1,3-Dichloropropane	ND	31000	12000	ug/kg	
594-20-7	2,2-Dichloropropane	ND	31000	12000	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP60 19		
Lab Sample ID:	F49337-2	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.0
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	31000	12000	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	31000	18000	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	31000	12000	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	31000	12000	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	150000	31000	ug/kg	
541-73-1	m-Dichlorobenzene	ND	31000	12000	ug/kg	
95-50-1	o-Dichlorobenzene	ND	31000	12000	ug/kg	
106-46-7	p-Dichlorobenzene	ND	31000	12000	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	31000	12000	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	31000	12000	ug/kg	
100-41-4	Ethylbenzene	119000	31000	12000	ug/kg	
97-63-2	Ethyl methacrylate	ND	150000	31000	ug/kg	
76-13-1	Freon 113	ND	31000	12000	ug/kg	
591-78-6	2-Hexanone	ND	150000	62000	ug/kg	
87-68-3	Hexachlorobutadiene	ND	31000	12000	ug/kg	
110-54-3	Hexane [a]	149000	31000	18000	ug/kg	J
98-82-8	Isopropylbenzene	26100	31000	12000	ug/kg	J
99-87-6	p-Isopropyltoluene	ND	31000	12000	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	150000	62000	ug/kg	
126-98-7	Methacrylonitrile	ND	150000	62000	ug/kg	
74-83-9	Methyl bromide	ND	31000	12000	ug/kg	
74-87-3	Methyl chloride	ND	31000	12000	ug/kg	
74-88-4	Methyl iodide	ND	62000	12000	ug/kg	
80-62-6	Methyl methacrylate	ND	150000	31000	ug/kg	
74-95-3	Methylene bromide	ND	31000	12000	ug/kg	
75-09-2	Methylene chloride	ND	62000	31000	ug/kg	
78-93-3	Methyl ethyl ketone	ND	150000	62000	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	31000	12000	ug/kg	
91-20-3	Naphthalene	ND	31000	12000	ug/kg	
76-01-7	Pentachloroethane	ND	150000	31000	ug/kg	
107-12-0	Propionitrile	ND	310000	62000	ug/kg	
103-65-1	n-Propylbenzene	18900	31000	12000	ug/kg	J
100-42-5	Styrene	ND	31000	12000	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	31000	12000	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	31000	12000	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	31000	12000	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	31000	12000	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	31000	12000	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	31000	15000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	31000	12000	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP60 19		
Lab Sample ID:	F49337-2	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.0
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	182000	31000	18000	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	94300	31000	12000	ug/kg	
127-18-4	Tetrachloroethylene	ND	31000	12000	ug/kg	
108-88-3	Toluene	1030000	31000	12000	ug/kg	
79-01-6	Trichloroethylene	ND	31000	12000	ug/kg	
75-69-4	Trichlorofluoromethane	ND	31000	12000	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	150000	62000	ug/kg	
75-01-4	Vinyl chloride	ND	31000	12000	ug/kg	
108-05-4	Vinyl Acetate	ND	150000	62000	ug/kg	
	m,p-Xylene	771000	62000	18000	ug/kg	
95-47-6	o-Xylene	284000	31000	12000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-121%
2037-26-5	Toluene-D8	94%		71-130%
460-00-4	4-Bromofluorobenzene	101%		59-148%
17060-07-0	1,2-Dichloroethane-D4	95%		77-123%

(a) CCV outside of control limits; results may be biased high.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP60 19		
Lab Sample ID:	F49337-2	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	82.0
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U002176.D	1	05/22/07	NJ	05/21/07	OP20671	SU110
Run #2							

	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	990	390	ug/kg	
95-57-8	2-Chlorophenol	ND	200	39	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	200	39	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	200	39	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	200	39	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	990	390	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	390	79	ug/kg	
95-48-7	2-Methylphenol	ND	200	39	ug/kg	
	3&4-Methylphenol	ND	200	39	ug/kg	
88-75-5	2-Nitrophenol	ND	200	39	ug/kg	
100-02-7	4-Nitrophenol	ND	990	390	ug/kg	
87-86-5	Pentachlorophenol	ND	990	390	ug/kg	
108-95-2	Phenol	ND	200	39	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	39	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	39	ug/kg	
83-32-9	Acenaphthene	ND	200	39	ug/kg	
208-96-8	Acenaphthylene	ND	200	39	ug/kg	
120-12-7	Anthracene	ND	200	39	ug/kg	
92-87-5	Benzidine	ND	2000	990	ug/kg	
56-55-3	Benzo(a)anthracene	ND	200	39	ug/kg	
50-32-8	Benzo(a)pyrene	ND	200	39	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	200	39	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	200	79	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	200	39	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	200	39	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	390	99	ug/kg	
100-51-6	Benzyl Alcohol	ND	200	39	ug/kg	
91-58-7	2-Chloronaphthalene	ND	200	39	ug/kg	
106-47-8	4-Chloroaniline	ND	390	160	ug/kg	
218-01-9	Chrysene	ND	200	39	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	200	39	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	200	79	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP60 19		
Lab Sample ID:	F49337-2	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	82.0
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	200	39	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	200	39	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	200	39	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	200	39	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	200	39	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	200	79	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	200	79	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	390	200	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	200	79	ug/kg	
132-64-9	Dibenzofuran	ND	200	39	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	390	99	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	390	200	ug/kg	
84-66-2	Diethyl phthalate	ND	390	99	ug/kg	
131-11-3	Dimethyl phthalate	ND	390	99	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	390	200	ug/kg	
206-44-0	Fluoranthene	ND	200	39	ug/kg	
86-73-7	Fluorene	ND	200	39	ug/kg	
118-74-1	Hexachlorobenzene	ND	200	39	ug/kg	
87-68-3	Hexachlorobutadiene	ND	200	79	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	200	79	ug/kg	
67-72-1	Hexachloroethane	ND	200	79	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	200	79	ug/kg	
78-59-1	Isophorone	ND	200	39	ug/kg	
91-57-6	2-Methylnaphthalene	ND	200	39	ug/kg	
88-74-4	2-Nitroaniline	ND	390	99	ug/kg	
99-09-2	3-Nitroaniline	ND	390	99	ug/kg	
100-01-6	4-Nitroaniline	ND	390	140	ug/kg	
91-20-3	Naphthalene	67.9	200	39	ug/kg	J
98-95-3	Nitrobenzene	ND	200	39	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	200	79	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	39	ug/kg	
85-01-8	Phenanthrene	ND	200	39	ug/kg	
129-00-0	Pyrene	ND	200	79	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	200	39	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	46%		40-102%
4165-62-2	Phenol-d5	65%		41-100%
118-79-6	2,4,6-Tribromophenol	67%		42-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP60 19		
Lab Sample ID:	F49337-2	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	82.0
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	60%		40-105%
321-60-8	2-Fluorobiphenyl	60%		43-107%
1718-51-0	Terphenyl-d14	68%		45-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP60 19		
Lab Sample ID:	F49337-2	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	82.0
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD076941.D	10	05/11/07	MM	05/08/07 11:04	n/a	GCD3189
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.03 g	5.0 ml	4.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	11000	1500	770	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	93%		56-136%
98-08-8	aaa-Trifluorotoluene	76%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP60 19		
Lab Sample ID:	F49337-2	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	82.0
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02462.D	1	05/22/07	MG	05/21/07	OP20658	GYY96
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	22.6	10	6.1	mg/kg	
	TPH (> C22-C36)	ND	10	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	72%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP60 19		
Lab Sample ID:	F49337-2	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
		Percent Solids:	82.0
Project:	HOLMN		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.81	0.49	0.24	mg/kg	1	05/17/07	05/17/07	RS	SW846 6010B [2]	SW846 3050B [4]
Barium	56.9	12	0.30	mg/kg	1	05/17/07	05/17/07	RS	SW846 6010B [2]	SW846 3050B [4]
Cadmium	0.19 J	0.24	0.061	mg/kg	1	05/17/07	05/17/07	RS	SW846 6010B [2]	SW846 3050B [4]
Chromium	10.7	0.61	0.055	mg/kg	1	05/17/07	05/17/07	RS	SW846 6010B [2]	SW846 3050B [4]
Lead	19.3	6.1	0.12	mg/kg	1	05/17/07	05/17/07	RS	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.0080 U	0.10	0.0080	mg/kg	1	05/12/07	05/12/07	MS	SW846 7471A [1]	SW846 7471A [3]
Selenium [a]	12 U	24	12	mg/kg	1	05/17/07	05/17/07	RS	SW846 6010B [2]	SW846 3050B [4]
Silver	0.055 U	0.61	0.055	mg/kg	1	05/17/07	05/17/07	RS	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA5706
(2) Instrument QC Batch: MA5721
(3) Prep QC Batch: MP11961
(4) Prep QC Batch: MP12007

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-DP60 24		
Lab Sample ID:	F49337-3	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	75.8
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F021362.D	1	05/19/07	WJ	05/08/07 11:04	n/a	VF365
Run #2	H043726.D	1	05/21/07	WJ	05/08/07 11:04	n/a	VH1631

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.10 g	5.0 ml	50.0 ul
Run #2	5.10 g	5.0 ml	10.0 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	8100	4000	ug/kg	
75-05-8	Acetonitrile	ND	8100	5600	ug/kg	
107-02-8	Acrolein	ND	4000	2400	ug/kg	
107-13-1	Acrylonitrile	ND	4000	2000	ug/kg	
107-05-1	Allyl chloride	ND	4000	810	ug/kg	
71-43-2	Benzene	13600	810	320	ug/kg	
100-44-7	Benzyl Chloride	ND	810	480	ug/kg	
108-86-1	Bromobenzene	ND	810	320	ug/kg	
74-97-5	Bromochloromethane	ND	810	320	ug/kg	
75-27-4	Bromodichloromethane	ND	810	320	ug/kg	
75-25-2	Bromoform	ND	810	320	ug/kg	
104-51-8	n-Butylbenzene	ND	810	480	ug/kg	
135-98-8	sec-Butylbenzene	713	810	320	ug/kg	J
98-06-6	tert-Butylbenzene	ND	810	320	ug/kg	
108-90-7	Chlorobenzene	ND	810	320	ug/kg	
75-00-3	Chloroethane	ND	810	480	ug/kg	
67-66-3	Chloroform	ND	810	320	ug/kg	
544-10-5	1-Chlorohexane	ND	810	320	ug/kg	
95-49-8	o-Chlorotoluene	ND	810	320	ug/kg	
106-43-4	p-Chlorotoluene	ND	810	320	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	4000	2000	ug/kg	
75-15-0	Carbon disulfide	ND	810	320	ug/kg	
56-23-5	Carbon tetrachloride	ND	810	320	ug/kg	
75-34-3	1,1-Dichloroethane	ND	810	320	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	810	320	ug/kg	
563-58-6	1,1-Dichloropropene	ND	810	320	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	810	480	ug/kg	
106-93-4	1,2-Dibromoethane	ND	810	320	ug/kg	
107-06-2	1,2-Dichloroethane	ND	810	320	ug/kg	
78-87-5	1,2-Dichloropropane	ND	810	320	ug/kg	
142-28-9	1,3-Dichloropropane	ND	810	320	ug/kg	
594-20-7	2,2-Dichloropropane	ND	810	320	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP60 24		
Lab Sample ID:	F49337-3	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	75.8
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	810	320	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	810	480	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	810	320	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	810	320	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	4000	810	ug/kg	
541-73-1	m-Dichlorobenzene	ND	810	320	ug/kg	
95-50-1	o-Dichlorobenzene	ND	810	320	ug/kg	
106-46-7	p-Dichlorobenzene	ND	810	320	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	810	320	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	810	320	ug/kg	
100-41-4	Ethylbenzene	24900	810	320	ug/kg	
97-63-2	Ethyl methacrylate	ND	4000	810	ug/kg	
76-13-1	Freon 113	ND	810	320	ug/kg	
591-78-6	2-Hexanone	ND	4000	1600	ug/kg	
87-68-3	Hexachlorobutadiene	ND	810	320	ug/kg	
110-54-3	Hexane	960	810	480	ug/kg	
98-82-8	Isopropylbenzene	49600 [a]	4000	890	ug/kg	
99-87-6	p-Isopropyltoluene	ND	810	320	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	4000	1600	ug/kg	
126-98-7	Methacrylonitrile	ND	4000	1600	ug/kg	
74-83-9	Methyl bromide	ND	810	320	ug/kg	
74-87-3	Methyl chloride	ND	810	320	ug/kg	
74-88-4	Methyl iodide	ND	1600	320	ug/kg	
80-62-6	Methyl methacrylate	ND	4000	810	ug/kg	
74-95-3	Methylene bromide	ND	810	320	ug/kg	
75-09-2	Methylene chloride	ND	1600	810	ug/kg	
78-93-3	Methyl ethyl ketone	ND	4000	1600	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	810	320	ug/kg	
91-20-3	Naphthalene	ND	810	320	ug/kg	
76-01-7	Pentachloroethane	ND	4000	810	ug/kg	
107-12-0	Propionitrile	ND	8100	1600	ug/kg	
103-65-1	n-Propylbenzene	4470	810	320	ug/kg	
100-42-5	Styrene	ND	810	320	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	810	320	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	810	320	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	810	320	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	810	320	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	810	320	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	810	400	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	810	320	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP60 24		
Lab Sample ID:	F49337-3	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	75.8
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	3590	810	480	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	810	320	ug/kg	
127-18-4	Tetrachloroethylene	ND	810	320	ug/kg	
108-88-3	Toluene	964	810	320	ug/kg	
79-01-6	Trichloroethylene	ND	810	320	ug/kg	
75-69-4	Trichlorofluoromethane	ND	810	320	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	4000	1600	ug/kg	
75-01-4	Vinyl chloride	ND	810	320	ug/kg	
108-05-4	Vinyl Acetate	ND	4000	1600	ug/kg	
	m,p-Xylene	4300	1600	480	ug/kg	
95-47-6	o-Xylene	2950	810	320	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%	102%	80-121%
2037-26-5	Toluene-D8	95%	96%	71-130%
460-00-4	4-Bromofluorobenzene	99%	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	91%	102%	77-123%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP60 24		
Lab Sample ID:	F49337-3	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	75.8
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U002177.D	1	05/22/07	NJ	05/21/07	OP20671	SU110
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	1100	430	ug/kg	
95-57-8	2-Chlorophenol	ND	220	43	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	220	43	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	220	43	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	220	43	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1100	430	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	430	87	ug/kg	
95-48-7	2-Methylphenol	ND	220	43	ug/kg	
	3&4-Methylphenol	ND	220	43	ug/kg	
88-75-5	2-Nitrophenol	ND	220	43	ug/kg	
100-02-7	4-Nitrophenol	ND	1100	430	ug/kg	
87-86-5	Pentachlorophenol	ND	1100	430	ug/kg	
108-95-2	Phenol	377	220	43	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	220	43	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	220	43	ug/kg	
83-32-9	Acenaphthene	ND	220	43	ug/kg	
208-96-8	Acenaphthylene	ND	220	43	ug/kg	
120-12-7	Anthracene	ND	220	43	ug/kg	
92-87-5	Benzidine	ND	2200	1100	ug/kg	
56-55-3	Benzo(a)anthracene	ND	220	43	ug/kg	
50-32-8	Benzo(a)pyrene	ND	220	43	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	220	43	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	220	87	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	220	43	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	220	43	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	430	110	ug/kg	
100-51-6	Benzyl Alcohol	ND	220	43	ug/kg	
91-58-7	2-Chloronaphthalene	ND	220	43	ug/kg	
106-47-8	4-Chloroaniline	ND	430	170	ug/kg	
218-01-9	Chrysene	ND	220	43	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	220	43	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	220	87	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP60 24		
Lab Sample ID:	F49337-3	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	75.8
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	220	43	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	220	43	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	220	43	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	220	43	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	220	43	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	220	87	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	220	87	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	430	220	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	220	87	ug/kg	
132-64-9	Dibenzofuran	ND	220	43	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	430	110	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	430	220	ug/kg	
84-66-2	Diethyl phthalate	ND	430	110	ug/kg	
131-11-3	Dimethyl phthalate	ND	430	110	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	430	220	ug/kg	
206-44-0	Fluoranthene	ND	220	43	ug/kg	
86-73-7	Fluorene	ND	220	43	ug/kg	
118-74-1	Hexachlorobenzene	ND	220	43	ug/kg	
87-68-3	Hexachlorobutadiene	ND	220	87	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	220	87	ug/kg	
67-72-1	Hexachloroethane	ND	220	87	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	220	87	ug/kg	
78-59-1	Isophorone	ND	220	43	ug/kg	
91-57-6	2-Methylnaphthalene	ND	220	43	ug/kg	
88-74-4	2-Nitroaniline	ND	430	110	ug/kg	
99-09-2	3-Nitroaniline	ND	430	110	ug/kg	
100-01-6	4-Nitroaniline	ND	430	150	ug/kg	
91-20-3	Naphthalene	ND	220	43	ug/kg	
98-95-3	Nitrobenzene	ND	220	43	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	220	87	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	220	43	ug/kg	
85-01-8	Phenanthrene	ND	220	43	ug/kg	
129-00-0	Pyrene	ND	220	87	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	220	43	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	61%		40-102%
4165-62-2	Phenol-d5	68%		41-100%
118-79-6	2,4,6-Tribromophenol	76%		42-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP60 24		
Lab Sample ID:	F49337-3	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	75.8
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	57%		40-105%
321-60-8	2-Fluorobiphenyl	61%		43-107%
1718-51-0	Terphenyl-d14	79%		45-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP60 24		
Lab Sample ID:	F49337-3	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	75.8
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD076942.D	1	05/11/07	MM	05/08/07 11:04	n/a	GCD3189
Run #2 [a]	CD076895.D	1	05/11/07	MM	05/08/07 11:04	n/a	GCD3187

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.10 g	5.0 ml	5.0 ul
Run #2	5.10 g	5.0 ml	5.0 ul

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1530	160	81	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	385% [c]	318% [b]	56-136%
98-08-8	aaa-Trifluorotoluene	81%	86%	61-121%

(a) Confirmation run.
(b) En Core samples were not preserved within 48 hours.
(c) Outside control limits due to matrix interference. Confirmed by reanalysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP60 24		
Lab Sample ID:	F49337-3	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	75.8
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02463.D	1	05/22/07	MG	05/21/07	OP20658	GYY96
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	7.08	11	6.5	mg/kg	J
	TPH (> C22-C36)	ND	11	6.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	74%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SS61-DP60 24
Lab Sample ID: F49337-3
Matrix: SO - Soil
Project: HOLMN

Date Sampled: 05/07/07
Date Received: 05/08/07
Percent Solids: 75.8

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.7	0.53	0.26	mg/kg	1	05/17/07	05/17/07	RS	SW846 6010B [2]	SW846 3050B [4]
Barium	106	13	0.33	mg/kg	1	05/17/07	05/17/07	RS	SW846 6010B [2]	SW846 3050B [4]
Cadmium	0.25 J	0.26	0.066	mg/kg	1	05/17/07	05/17/07	RS	SW846 6010B [2]	SW846 3050B [4]
Chromium	19.4	0.66	0.059	mg/kg	1	05/17/07	05/17/07	RS	SW846 6010B [2]	SW846 3050B [4]
Lead	43.5	6.6	0.13	mg/kg	1	05/17/07	05/17/07	RS	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.083 J	0.10	0.0080	mg/kg	1	05/12/07	05/12/07	MS	SW846 7471A [1]	SW846 7471A [3]
Selenium	0.13 U	6.6	0.13	mg/kg	1	05/17/07	05/17/07	RS	SW846 6010B [2]	SW846 3050B [4]
Silver	0.059 U	0.66	0.059	mg/kg	1	05/17/07	05/17/07	RS	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA5706
(2) Instrument QC Batch: MA5721
(3) Prep QC Batch: MP11961
(4) Prep QC Batch: MP12007

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-DP58 18		
Lab Sample ID:	F49337-4	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	99.3
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F021381.D	1	05/21/07	WJ	05/08/07 11:04	n/a	VF366
Run #2							

	Initial Weight
Run #1	5.95 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	42	21	ug/kg	
75-05-8	Acetonitrile	ND	42	30	ug/kg	
107-02-8	Acrolein	ND	21	13	ug/kg	
107-13-1	Acrylonitrile	ND	21	11	ug/kg	
107-05-1	Allyl chloride	ND	21	4.2	ug/kg	
71-43-2	Benzene	ND	4.2	1.7	ug/kg	
100-44-7	Benzyl Chloride	ND	4.2	2.5	ug/kg	
108-86-1	Bromobenzene	ND	4.2	1.7	ug/kg	
74-97-5	Bromochloromethane	ND	4.2	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	4.2	1.7	ug/kg	
75-25-2	Bromoform	ND	4.2	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	4.2	2.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	4.2	1.7	ug/kg	
98-06-6	tert-Butylbenzene	ND	4.2	1.7	ug/kg	
108-90-7	Chlorobenzene	ND	4.2	1.7	ug/kg	
75-00-3	Chloroethane	ND	4.2	2.5	ug/kg	
67-66-3	Chloroform	ND	4.2	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	4.2	1.7	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.2	1.7	ug/kg	
106-43-4	p-Chlorotoluene	ND	4.2	1.7	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	21	11	ug/kg	
75-15-0	Carbon disulfide	ND	4.2	1.7	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.2	1.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.2	1.7	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.2	1.7	ug/kg	
563-58-6	1,1-Dichloropropene	ND	4.2	1.7	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.2	2.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4.2	1.7	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.2	1.7	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.2	1.7	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4.2	1.7	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4.2	1.7	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP58 18		
Lab Sample ID:	F49337-4	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	99.3
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	4.2	1.7	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.2	2.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.2	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.2	1.7	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	21	4.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	4.2	1.7	ug/kg	
95-50-1	o-Dichlorobenzene	ND	4.2	1.7	ug/kg	
106-46-7	p-Dichlorobenzene	ND	4.2	1.7	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	4.2	1.7	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.2	1.7	ug/kg	
100-41-4	Ethylbenzene	ND	4.2	1.7	ug/kg	
97-63-2	Ethyl methacrylate	ND	21	4.2	ug/kg	
76-13-1	Freon 113	ND	4.2	1.7	ug/kg	
591-78-6	2-Hexanone	ND	21	8.5	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.2	1.7	ug/kg	
110-54-3	Hexane	ND	4.2	2.5	ug/kg	
98-82-8	Isopropylbenzene	ND	4.2	1.7	ug/kg	
99-87-6	p-Isopropyltoluene	ND	4.2	1.7	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	21	8.5	ug/kg	
126-98-7	Methacrylonitrile	ND	21	8.5	ug/kg	
74-83-9	Methyl bromide	ND	4.2	1.7	ug/kg	
74-87-3	Methyl chloride	ND	4.2	1.7	ug/kg	
74-88-4	Methyl iodide	ND	8.5	1.7	ug/kg	
80-62-6	Methyl methacrylate	ND	21	4.2	ug/kg	
74-95-3	Methylene bromide	ND	4.2	1.7	ug/kg	
75-09-2	Methylene chloride	ND	8.5	4.2	ug/kg	
78-93-3	Methyl ethyl ketone	ND	21	8.5	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.2	1.7	ug/kg	
91-20-3	Naphthalene	ND	4.2	1.7	ug/kg	
76-01-7	Pentachloroethane	ND	21	4.2	ug/kg	
107-12-0	Propionitrile	ND	42	8.5	ug/kg	
103-65-1	n-Propylbenzene	ND	4.2	1.7	ug/kg	
100-42-5	Styrene	ND	4.2	1.7	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.2	1.7	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.2	1.7	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.2	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.2	1.7	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.2	1.7	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.2	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.2	1.7	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP58 18		
Lab Sample ID:	F49337-4	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	99.3
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	4.2	2.5	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.2	1.7	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.2	1.7	ug/kg	
108-88-3	Toluene	ND	4.2	1.7	ug/kg	
79-01-6	Trichloroethylene	ND	4.2	1.7	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.2	1.7	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	21	8.5	ug/kg	
75-01-4	Vinyl chloride	ND	4.2	1.7	ug/kg	
108-05-4	Vinyl Acetate	ND	21	8.5	ug/kg	
	m,p-Xylene	ND	8.5	2.5	ug/kg	
95-47-6	o-Xylene	ND	4.2	1.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-121%
2037-26-5	Toluene-D8	95%		71-130%
460-00-4	4-Bromofluorobenzene	105%		59-148%
17060-07-0	1,2-Dichloroethane-D4	81%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP58 18		
Lab Sample ID:	F49337-4	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	99.3
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U002178.D	1	05/22/07	NJ	05/21/07	OP20671	SU110
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	830	330	ug/kg	
95-57-8	2-Chlorophenol	ND	170	33	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	33	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	33	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	830	330	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	330	66	ug/kg	
95-48-7	2-Methylphenol	ND	170	33	ug/kg	
	3&4-Methylphenol	ND	170	33	ug/kg	
88-75-5	2-Nitrophenol	ND	170	33	ug/kg	
100-02-7	4-Nitrophenol	ND	830	330	ug/kg	
87-86-5	Pentachlorophenol	ND	830	330	ug/kg	
108-95-2	Phenol	ND	170	33	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	33	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	33	ug/kg	
83-32-9	Acenaphthene	ND	170	33	ug/kg	
208-96-8	Acenaphthylene	ND	170	33	ug/kg	
120-12-7	Anthracene	ND	170	33	ug/kg	
92-87-5	Benzidine	ND	1700	830	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	33	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	33	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	33	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	66	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	33	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	33	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	330	83	ug/kg	
100-51-6	Benzyl Alcohol	ND	170	33	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	33	ug/kg	
106-47-8	4-Chloroaniline	ND	330	130	ug/kg	
218-01-9	Chrysene	ND	170	33	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	33	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	66	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP58 18		
Lab Sample ID:	F49337-4	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	99.3
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	170	33	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	33	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	33	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	170	33	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	33	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	66	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	66	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	330	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	66	ug/kg	
132-64-9	Dibenzofuran	ND	170	33	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	330	83	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	330	170	ug/kg	
84-66-2	Diethyl phthalate	ND	330	83	ug/kg	
131-11-3	Dimethyl phthalate	ND	330	83	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	170	ug/kg	
206-44-0	Fluoranthene	ND	170	33	ug/kg	
86-73-7	Fluorene	ND	170	33	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	33	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	66	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	66	ug/kg	
67-72-1	Hexachloroethane	ND	170	66	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	66	ug/kg	
78-59-1	Isophorone	ND	170	33	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	33	ug/kg	
88-74-4	2-Nitroaniline	ND	330	83	ug/kg	
99-09-2	3-Nitroaniline	ND	330	83	ug/kg	
100-01-6	4-Nitroaniline	ND	330	120	ug/kg	
91-20-3	Naphthalene	ND	170	33	ug/kg	
98-95-3	Nitrobenzene	ND	170	33	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	66	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	33	ug/kg	
85-01-8	Phenanthrene	ND	170	33	ug/kg	
129-00-0	Pyrene	ND	170	66	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	33	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	51%		40-102%
4165-62-2	Phenol-d5	53%		41-100%
118-79-6	2,4,6-Tribromophenol	59%		42-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP58 18		
Lab Sample ID:	F49337-4	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	99.3
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	50%		40-105%
321-60-8	2-Fluorobiphenyl	50%		43-107%
1718-51-0	Terphenyl-d14	64%		45-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP58 18		
Lab Sample ID:	F49337-4	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	99.3
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD076896.D	1	05/11/07	MM	05/08/07 11:04	n/a	GCD3187
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.46 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	4.6	2.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	85%		56-136%
98-08-8	aaa-Trifluorotoluene	80%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP58 18		
Lab Sample ID:	F49337-4	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	99.3
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02464.D	1	05/22/07	MG	05/21/07	OP20658	GYY96
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	66%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SS61-DP58 18
Lab Sample ID: F49337-4
Matrix: SO - Soil
Project: HOLMN

Date Sampled: 05/07/07
Date Received: 05/08/07
Percent Solids: 99.3

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.55	0.39	0.19	mg/kg	1	05/17/07	05/17/07	RS	SW846 6010B [2]	SW846 3050B [4]
Barium	61.3	9.9	0.25	mg/kg	1	05/17/07	05/17/07	RS	SW846 6010B [2]	SW846 3050B [4]
Cadmium	0.10 J	0.20	0.049	mg/kg	1	05/17/07	05/17/07	RS	SW846 6010B [2]	SW846 3050B [4]
Chromium	3.7	0.49	0.044	mg/kg	1	05/17/07	05/17/07	RS	SW846 6010B [2]	SW846 3050B [4]
Lead	1.9 J	4.9	0.099	mg/kg	1	05/17/07	05/17/07	RS	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.0065 U	0.081	0.0065	mg/kg	1	05/12/07	05/12/07	MS	SW846 7471A [1]	SW846 7471A [3]
Selenium [a]	20 U	24	20	mg/kg	1	05/17/07	05/17/07	RS	SW846 6010B [2]	SW846 3050B [4]
Silver	0.044 U	0.49	0.044	mg/kg	1	05/17/07	05/17/07	RS	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA5706
(2) Instrument QC Batch: MA5721
(3) Prep QC Batch: MP11961
(4) Prep QC Batch: MP12007

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-DP59 17		
Lab Sample ID:	F49337-5	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	72.0
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F021382.D	1	05/21/07	WJ	05/08/07 11:04	n/a	VF366
Run #2							

	Initial Weight
Run #1	6.18 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	56	28	ug/kg	
75-05-8	Acetonitrile	ND	56	39	ug/kg	
107-02-8	Acrolein	ND	28	17	ug/kg	
107-13-1	Acrylonitrile	ND	28	14	ug/kg	
107-05-1	Allyl chloride	ND	28	5.6	ug/kg	
71-43-2	Benzene	ND	5.6	2.2	ug/kg	
100-44-7	Benzyl Chloride	ND	5.6	3.4	ug/kg	
108-86-1	Bromobenzene	ND	5.6	2.2	ug/kg	
74-97-5	Bromochloromethane	ND	5.6	2.2	ug/kg	
75-27-4	Bromodichloromethane	ND	5.6	2.2	ug/kg	
75-25-2	Bromoform	ND	5.6	2.2	ug/kg	
104-51-8	n-Butylbenzene	ND	5.6	3.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.6	2.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.6	2.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.6	2.2	ug/kg	
75-00-3	Chloroethane	ND	5.6	3.4	ug/kg	
67-66-3	Chloroform	ND	5.6	2.2	ug/kg	
544-10-5	1-Chlorohexane	ND	5.6	2.2	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.6	2.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.6	2.2	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	28	14	ug/kg	
75-15-0	Carbon disulfide	ND	5.6	2.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.6	2.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.6	2.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.6	2.2	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.6	2.2	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.6	3.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.6	2.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.6	2.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.6	2.2	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.6	2.2	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.6	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP59 17		
Lab Sample ID:	F49337-5	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	72.0
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.6	2.2	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.6	3.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.6	2.2	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.6	2.2	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	28	5.6	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.6	2.2	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.6	2.2	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.6	2.2	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.6	2.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.6	2.2	ug/kg	
100-41-4	Ethylbenzene	ND	5.6	2.2	ug/kg	
97-63-2	Ethyl methacrylate	ND	28	5.6	ug/kg	
76-13-1	Freon 113	ND	5.6	2.2	ug/kg	
591-78-6	2-Hexanone	ND	28	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.6	2.2	ug/kg	
110-54-3	Hexane	ND	5.6	3.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.6	2.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.6	2.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	28	11	ug/kg	
126-98-7	Methacrylonitrile	ND	28	11	ug/kg	
74-83-9	Methyl bromide	ND	5.6	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.6	2.2	ug/kg	
74-88-4	Methyl iodide	ND	11	2.2	ug/kg	
80-62-6	Methyl methacrylate	ND	28	5.6	ug/kg	
74-95-3	Methylene bromide	ND	5.6	2.2	ug/kg	
75-09-2	Methylene chloride	ND	11	5.6	ug/kg	
78-93-3	Methyl ethyl ketone	ND	28	11	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.6	2.2	ug/kg	
91-20-3	Naphthalene	ND	5.6	2.2	ug/kg	
76-01-7	Pentachloroethane	ND	28	5.6	ug/kg	
107-12-0	Propionitrile	ND	56	11	ug/kg	
103-65-1	n-Propylbenzene	ND	5.6	2.2	ug/kg	
100-42-5	Styrene	ND	5.6	2.2	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.6	2.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.6	2.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.6	2.2	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.6	2.2	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.6	2.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.6	2.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP59 17		
Lab Sample ID:	F49337-5	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	72.0
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.6	3.4	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.6	2.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.6	2.2	ug/kg	
108-88-3	Toluene	ND	5.6	2.2	ug/kg	
79-01-6	Trichloroethylene	ND	5.6	2.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.6	2.2	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	28	11	ug/kg	
75-01-4	Vinyl chloride	ND	5.6	2.2	ug/kg	
108-05-4	Vinyl Acetate	ND	28	11	ug/kg	
	m,p-Xylene	ND	11	3.4	ug/kg	
95-47-6	o-Xylene	ND	5.6	2.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-121%
2037-26-5	Toluene-D8	98%		71-130%
460-00-4	4-Bromofluorobenzene	104%		59-148%
17060-07-0	1,2-Dichloroethane-D4	89%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP59 17		
Lab Sample ID:	F49337-5	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	72.0
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U002181.D	1	05/22/07	NJ	05/21/07	OP20671	SU110
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	1100	460	ug/kg	
95-57-8	2-Chlorophenol	ND	230	46	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	230	46	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	230	46	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	230	46	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1100	460	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	460	91	ug/kg	
95-48-7	2-Methylphenol	ND	230	46	ug/kg	
	3&4-Methylphenol	ND	230	46	ug/kg	
88-75-5	2-Nitrophenol	ND	230	46	ug/kg	
100-02-7	4-Nitrophenol	ND	1100	460	ug/kg	
87-86-5	Pentachlorophenol	ND	1100	460	ug/kg	
108-95-2	Phenol	ND	230	46	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	230	46	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	230	46	ug/kg	
83-32-9	Acenaphthene	ND	230	46	ug/kg	
208-96-8	Acenaphthylene	ND	230	46	ug/kg	
120-12-7	Anthracene	ND	230	46	ug/kg	
92-87-5	Benzidine	ND	2300	1100	ug/kg	
56-55-3	Benzo(a)anthracene	ND	230	46	ug/kg	
50-32-8	Benzo(a)pyrene	ND	230	46	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	230	46	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	230	91	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	230	46	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	230	46	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	460	110	ug/kg	
100-51-6	Benzyl Alcohol	ND	230	46	ug/kg	
91-58-7	2-Chloronaphthalene	ND	230	46	ug/kg	
106-47-8	4-Chloroaniline	ND	460	180	ug/kg	
218-01-9	Chrysene	ND	230	46	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	230	46	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	230	91	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP59 17		
Lab Sample ID:	F49337-5	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	72.0
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	230	46	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	230	46	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	230	46	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	230	46	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	230	46	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	230	91	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	230	91	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	460	230	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	230	91	ug/kg	
132-64-9	Dibenzofuran	ND	230	46	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	460	110	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	460	230	ug/kg	
84-66-2	Diethyl phthalate	ND	460	110	ug/kg	
131-11-3	Dimethyl phthalate	ND	460	110	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	460	230	ug/kg	
206-44-0	Fluoranthene	ND	230	46	ug/kg	
86-73-7	Fluorene	ND	230	46	ug/kg	
118-74-1	Hexachlorobenzene	ND	230	46	ug/kg	
87-68-3	Hexachlorobutadiene	ND	230	91	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	230	91	ug/kg	
67-72-1	Hexachloroethane	ND	230	91	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	230	91	ug/kg	
78-59-1	Isophorone	ND	230	46	ug/kg	
91-57-6	2-Methylnaphthalene	ND	230	46	ug/kg	
88-74-4	2-Nitroaniline	ND	460	110	ug/kg	
99-09-2	3-Nitroaniline	ND	460	110	ug/kg	
100-01-6	4-Nitroaniline	ND	460	160	ug/kg	
91-20-3	Naphthalene	ND	230	46	ug/kg	
98-95-3	Nitrobenzene	ND	230	46	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	230	91	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	230	46	ug/kg	
85-01-8	Phenanthrene	ND	230	46	ug/kg	
129-00-0	Pyrene	ND	230	91	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	230	46	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	61%		40-102%
4165-62-2	Phenol-d5	64%		41-100%
118-79-6	2,4,6-Tribromophenol	73%		42-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP59 17		
Lab Sample ID:	F49337-5	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	72.0
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	61%		40-105%
321-60-8	2-Fluorobiphenyl	60%		43-107%
1718-51-0	Terphenyl-d14	79%		45-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP59 17		
Lab Sample ID:	F49337-5	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	72.0
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD076897.D	1	05/11/07	MM	05/08/07 11:04	n/a	GCD3187
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.05 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.7	3.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	85%		56-136%
98-08-8	aaa-Trifluorotoluene	79%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP59 17		
Lab Sample ID:	F49337-5	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	72.0
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02467.D	1	05/22/07	MG	05/21/07	OP20658	GYY96
Run #2							

	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	11	6.7	mg/kg	
	TPH (> C22-C36)	ND	11	6.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	76%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP59 17		
Lab Sample ID:	F49337-5	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
		Percent Solids:	72.0
Project:	HOLMN		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.27 U	0.56	0.27	mg/kg	1	05/17/07	05/17/07	RS	SW846 6010B [2]	SW846 3050B [4]
Barium	53.3	14	0.35	mg/kg	1	05/17/07	05/17/07	RS	SW846 6010B [2]	SW846 3050B [4]
Cadmium	0.069 U	0.28	0.069	mg/kg	1	05/17/07	05/17/07	RS	SW846 6010B [2]	SW846 3050B [4]
Chromium	4.7	0.69	0.063	mg/kg	1	05/17/07	05/17/07	RS	SW846 6010B [2]	SW846 3050B [4]
Lead	2.0 J	6.9	0.14	mg/kg	1	05/17/07	05/17/07	RS	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.0082 U	0.10	0.0082	mg/kg	1	05/12/07	05/12/07	MS	SW846 7471A [1]	SW846 7471A [3]
Selenium [a]	28 U	34	28	mg/kg	1	05/17/07	05/17/07	RS	SW846 6010B [2]	SW846 3050B [4]
Silver	0.063 U	0.69	0.063	mg/kg	1	05/17/07	05/17/07	RS	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA5706
(2) Instrument QC Batch: MA5721
(3) Prep QC Batch: MP11961
(4) Prep QC Batch: MP12007

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-DP59 25		
Lab Sample ID:	F49337-6	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	90.4
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F021383.D	1	05/21/07	WJ	05/08/07 12:00	n/a	VF366
Run #2	F021361.D	1	05/19/07	WJ	05/08/07 12:00	n/a	VF365

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.65 g		
Run #2	5.25 g	5.0 ml	100 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	29.5	49	24	ug/kg	J
75-05-8	Acetonitrile	ND	49	34	ug/kg	
107-02-8	Acrolein	ND	24	15	ug/kg	
107-13-1	Acrylonitrile	ND	24	12	ug/kg	
107-05-1	Allyl chloride	ND	24	4.9	ug/kg	
71-43-2	Benzene	94.1	4.9	2.0	ug/kg	
100-44-7	Benzyl Chloride	ND	4.9	2.9	ug/kg	
108-86-1	Bromobenzene	ND	4.9	2.0	ug/kg	
74-97-5	Bromochloromethane	ND	4.9	2.0	ug/kg	
75-27-4	Bromodichloromethane	ND	4.9	2.0	ug/kg	
75-25-2	Bromoform	ND	4.9	2.0	ug/kg	
104-51-8	n-Butylbenzene	ND	4.9	2.9	ug/kg	
135-98-8	sec-Butylbenzene	6.0	4.9	2.0	ug/kg	
98-06-6	tert-Butylbenzene	2.8	4.9	2.0	ug/kg	J
108-90-7	Chlorobenzene	ND	4.9	2.0	ug/kg	
75-00-3	Chloroethane	ND	4.9	2.9	ug/kg	
67-66-3	Chloroform	ND	4.9	2.0	ug/kg	
544-10-5	1-Chlorohexane	ND	4.9	2.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.9	2.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	4.9	2.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	24	12	ug/kg	
75-15-0	Carbon disulfide [a]	5.6	4.9	2.0	ug/kg	J
56-23-5	Carbon tetrachloride	ND	4.9	2.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.9	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.9	2.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	4.9	2.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.9	2.9	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4.9	2.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.9	2.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.9	2.0	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4.9	2.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4.9	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP59 25		
Lab Sample ID:	F49337-6	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	90.4
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	4.9	2.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.9	2.9	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.9	2.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.9	2.0	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	24	4.9	ug/kg	
541-73-1	m-Dichlorobenzene	ND	4.9	2.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	4.9	2.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	4.9	2.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	4.9	2.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.9	2.0	ug/kg	
100-41-4	Ethylbenzene	6.1	4.9	2.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	24	4.9	ug/kg	
76-13-1	Freon 113	ND	4.9	2.0	ug/kg	
591-78-6	2-Hexanone	ND	24	9.8	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.9	2.0	ug/kg	
110-54-3	Hexane	ND	4.9	2.9	ug/kg	
98-82-8	Isopropylbenzene	350 [b]	290	120	ug/kg	
99-87-6	p-Isopropyltoluene	ND	4.9	2.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	24	9.8	ug/kg	
126-98-7	Methacrylonitrile	ND	24	9.8	ug/kg	
74-83-9	Methyl bromide	ND	4.9	2.0	ug/kg	
74-87-3	Methyl chloride	ND	4.9	2.0	ug/kg	
74-88-4	Methyl iodide	ND	9.8	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	24	4.9	ug/kg	
74-95-3	Methylene bromide	ND	4.9	2.0	ug/kg	
75-09-2	Methylene chloride	ND	9.8	4.9	ug/kg	
78-93-3	Methyl ethyl ketone	ND	24	9.8	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.9	2.0	ug/kg	
91-20-3	Naphthalene	ND	4.9	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	24	4.9	ug/kg	
107-12-0	Propionitrile	ND	49	9.8	ug/kg	
103-65-1	n-Propylbenzene	7.0	4.9	2.0	ug/kg	
100-42-5	Styrene	ND	4.9	2.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.9	2.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.9	2.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.9	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.9	2.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.9	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.9	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP59 25		
Lab Sample ID:	F49337-6	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	90.4
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	4.9	2.9	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.9	2.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.9	2.0	ug/kg	
108-88-3	Toluene	ND	4.9	2.0	ug/kg	
79-01-6	Trichloroethylene	ND	4.9	2.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.9	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	24	9.8	ug/kg	
75-01-4	Vinyl chloride	ND	4.9	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	24	9.8	ug/kg	
	m,p-Xylene	ND	9.8	2.9	ug/kg	
95-47-6	o-Xylene	ND	4.9	2.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%	100%	80-121%
2037-26-5	Toluene-D8	97%	99%	71-130%
460-00-4	4-Bromofluorobenzene	100%	100%	59-148%
17060-07-0	1,2-Dichloroethane-D4	98%	95%	77-123%

(a) CCV outside of control limits; results may be biased high.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP59 25		
Lab Sample ID:	F49337-6	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	90.4
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U002182.D	1	05/22/07	NJ	05/21/07	OP20671	SU110
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	900	360	ug/kg	
95-57-8	2-Chlorophenol	ND	180	36	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	36	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	36	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	36	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	900	360	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	360	72	ug/kg	
95-48-7	2-Methylphenol	ND	180	36	ug/kg	
	3&4-Methylphenol	ND	180	36	ug/kg	
88-75-5	2-Nitrophenol	ND	180	36	ug/kg	
100-02-7	4-Nitrophenol	ND	900	360	ug/kg	
87-86-5	Pentachlorophenol	ND	900	360	ug/kg	
108-95-2	Phenol	ND	180	36	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	36	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	36	ug/kg	
83-32-9	Acenaphthene	ND	180	36	ug/kg	
208-96-8	Acenaphthylene	ND	180	36	ug/kg	
120-12-7	Anthracene	ND	180	36	ug/kg	
92-87-5	Benzidine	ND	1800	900	ug/kg	
56-55-3	Benzo(a)anthracene	ND	180	36	ug/kg	
50-32-8	Benzo(a)pyrene	ND	180	36	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	180	36	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	180	72	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	180	36	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	180	36	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	360	90	ug/kg	
100-51-6	Benzyl Alcohol	ND	180	36	ug/kg	
91-58-7	2-Chloronaphthalene	ND	180	36	ug/kg	
106-47-8	4-Chloroaniline	ND	360	140	ug/kg	
218-01-9	Chrysene	ND	180	36	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	180	36	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	180	72	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP59 25		
Lab Sample ID:	F49337-6	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	90.4
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	180	36	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	180	36	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	180	36	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	180	36	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	180	36	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	180	72	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	180	72	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	360	180	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	180	72	ug/kg	
132-64-9	Dibenzofuran	ND	180	36	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	360	90	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	360	180	ug/kg	
84-66-2	Diethyl phthalate	ND	360	90	ug/kg	
131-11-3	Dimethyl phthalate	ND	360	90	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	360	180	ug/kg	
206-44-0	Fluoranthene	ND	180	36	ug/kg	
86-73-7	Fluorene	ND	180	36	ug/kg	
118-74-1	Hexachlorobenzene	ND	180	36	ug/kg	
87-68-3	Hexachlorobutadiene	ND	180	72	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	180	72	ug/kg	
67-72-1	Hexachloroethane	ND	180	72	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	180	72	ug/kg	
78-59-1	Isophorone	ND	180	36	ug/kg	
91-57-6	2-Methylnaphthalene	ND	180	36	ug/kg	
88-74-4	2-Nitroaniline	ND	360	90	ug/kg	
99-09-2	3-Nitroaniline	ND	360	90	ug/kg	
100-01-6	4-Nitroaniline	ND	360	130	ug/kg	
91-20-3	Naphthalene	ND	180	36	ug/kg	
98-95-3	Nitrobenzene	ND	180	36	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	180	72	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	36	ug/kg	
85-01-8	Phenanthrene	ND	180	36	ug/kg	
129-00-0	Pyrene	ND	180	72	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	180	36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	67%		40-102%
4165-62-2	Phenol-d5	69%		41-100%
118-79-6	2,4,6-Tribromophenol	67%		42-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP59 25		
Lab Sample ID:	F49337-6	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	90.4
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	65%		40-105%
321-60-8	2-Fluorobiphenyl	63%		43-107%
1718-51-0	Terphenyl-d14	72%		45-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP59 25		
Lab Sample ID:	F49337-6	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	90.4
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD076898.D	1	05/11/07	MM	05/08/07 12:00	n/a	GCD3187
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.59 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.5	2.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	129% [a]		56-136%
460-00-4	4-Bromofluorobenzene	177% [b]		56-136%
98-08-8	aaa-Trifluorotoluene	77%		61-121%

(a) Result reported from PID.
(b) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP59 25		
Lab Sample ID:	F49337-6	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	90.4
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02468.D	1	05/22/07	MG	05/21/07	OP20658	GYY96
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.0	5.4	mg/kg	
	TPH (> C22-C36)	ND	9.0	5.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	77%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP59 25		
Lab Sample ID:	F49337-6	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/08/07
		Percent Solids:	90.4
Project:	HOLMN		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	4.1	0.43	0.21	mg/kg	1	05/17/07	05/17/07	RS	SW846 6010B [2]	SW846 3050B [4]
Barium	117	11	0.27	mg/kg	1	05/17/07	05/17/07	RS	SW846 6010B [2]	SW846 3050B [4]
Cadmium	0.13 J	0.21	0.053	mg/kg	1	05/17/07	05/17/07	RS	SW846 6010B [2]	SW846 3050B [4]
Chromium	10	0.53	0.048	mg/kg	1	05/17/07	05/17/07	RS	SW846 6010B [2]	SW846 3050B [4]
Lead	7.3	5.3	0.11	mg/kg	1	05/17/07	05/17/07	RS	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.067 J	0.088	0.0070	mg/kg	1	05/12/07	05/12/07	MS	SW846 7471A [1]	SW846 7471A [3]
Selenium [a]	11 U	21	11	mg/kg	1	05/17/07	05/17/07	RS	SW846 6010B [2]	SW846 3050B [4]
Silver	0.048 U	0.53	0.048	mg/kg	1	05/17/07	05/17/07	RS	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA5706
(2) Instrument QC Batch: MA5721
(3) Prep QC Batch: MP11961
(4) Prep QC Batch: MP12007

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-TB		
Lab Sample ID:	F49337-7	**Date Sampled:**	05/07/07
Matrix:	SO - Trip Blank Soil	**Date Received:**	05/08/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F021323.D	1	05/18/07	WJ	n/a	n/a	VF364
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	35	ug/kg	
107-02-8	Acrolein	ND	25	15	ug/kg	
107-13-1	Acrylonitrile	ND	25	13	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	2.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	3.0	ug/kg	
108-86-1	Bromobenzene	ND	5.0	2.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	2.0	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	2.0	ug/kg	
75-25-2	Bromoform	ND	5.0	2.0	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	3.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	2.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	2.0	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	2.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	3.0	ug/kg	
67-66-3	Chloroform	ND	5.0	2.0	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	2.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	2.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	2.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	13	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	2.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	2.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	2.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	2.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	3.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	2.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	2.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	2.0	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	2.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TB		
Lab Sample ID:	F49337-7	**Date Sampled:**	05/07/07
Matrix:	SO - Trip Blank Soil	**Date Received:**	05/08/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	2.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	3.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	2.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	2.0	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	2.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	2.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	2.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	2.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	2.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	2.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.0	ug/kg	
591-78-6	2-Hexanone	ND	25	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/kg	
110-54-3	Hexane	ND	5.0	3.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	2.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	2.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	10	ug/kg	
126-98-7	Methacrylonitrile	ND	25	10	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.0	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.0	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	2.0	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	2.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	10	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	2.0	ug/kg	
100-42-5	Styrene	ND	5.0	2.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	2.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	2.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	2.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TB		
Lab Sample ID:	F49337-7	**Date Sampled:**	05/07/07
Matrix:	SO - Trip Blank Soil	**Date Received:**	05/08/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	3.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	2.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	2.0	ug/kg	
108-88-3	Toluene	ND	5.0	2.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	2.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	10	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	10	ug/kg	
	m,p-Xylene	ND	10	3.0	ug/kg	
95-47-6	o-Xylene	ND	5.0	2.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-121%
2037-26-5	Toluene-D8	99%		71-130%
460-00-4	4-Bromofluorobenzene	102%		59-148%
17060-07-0	1,2-Dichloroethane-D4	102%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TB		
Lab Sample ID:	F49337-7	**Date Sampled:**	05/07/07
Matrix:	SO - Trip Blank Soil	**Date Received:**	05/08/07
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD076900.D	1	05/11/07	MM	n/a	n/a	GCD3187
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.00 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	86%		56-136%
98-08-8	aaa-Trifluorotoluene	76%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

F49337

Page: 1 of 1
Project No: 9050361.01.02
COC Number(1): 05-01-2007-02
LIMS Number:

Chain of Custody and Analytical Request

Facility/Base I.D.: Holloman Air Force Base
Project/Site Name: SS-61 Voluntary Corrective Measures
Client Name: USACE
Collected by: J. Moore/C. McGriff/R. Currance/B. Wolfe

Sample Analysis Requested [4] | Quality Assurance Samples [6]

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOC, 8260B	SVOC, 8270C	TPH, 8015M	RCRA Metals, 6010B, 7471A					Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
1	SS61- DP60		05-May-2007	1410	14	N	-	SO	6	1	1	1	1								1
2	SS61- DP60			1430	19	N	-	SO	6	1	1	1	1								1
3	SS61- DP60			1450	24	N	-	SO	6	1	1	1	1								1
4	SS61- DP56			1145	18	N	-	SO	6	1	1	1	1								2
5	SS61- DP56			1240	17	N	-	SO	6	1	1	1	1								2
6	SS61- DP56			1310	25	N	-	SO	6	1	1	1	1								2
7	SS61- TB			-	-	TB		TB	6	1	-	-	-								
	SS61-				-				6												
	SS61-				-				6												
	SS61-				-				6												
	SS61-				-				6												

COMMENTS:

Custody Transfers Prior to Receipt by Laboratory

Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1. BWhate	5/7/07	16:00	1. Relinquished to Fed Ex		
2.			2. Jorge Cano	5-8-07	9:00
3.			3.		

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: Shipped No.:
Method of Shipment: FedEx Airbill Number:
Analytical Lab: Accutest Delivery Location: Orlando, FL
Lab Recipient: Delivery Date/Time:

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)
2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-t) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)
3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)
4.) Matrix Codes: GS = Soil Gas, WQ = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks
5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.
6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

2.0
1.6

4.1 4

F49337: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F49337 CLIENT: BHATE PROJECT: SS-61 Voluntary

DATE/TIME RECEIVED: 5-8-07 9:00 # OF COOLERS RECEIVED: 2 COOLER TEMPS: 1.6 2.0

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8610 5635 4597

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [✓] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 24

NUMBER OF 5035 FIELD KITS ? 2 TB

NUMBER OR LAB FILTERED METALS ? Ø

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE: JMC 5-8-07 TECHNICIAN SIGNATURE/DATE: JC 5-8-07 ASBD 10/03/06

4.1 4

F49337: Chain of Custody
Page 2 of 3

Job Change Order: F49337_5/15/2007

Requested Date:	5/15/2007	**Received Date:**	5/8/2007
Account Name:	Bhate Environmental Associates,	**Due Date:**	5/22/2007
Project Description:	HOLMN	**Deliverable:**	COMMBN
CSR:	JDS	**TAT (Days):**	14

Sample #:
F49337-1-7

Change: Per client samples were actually collected on 5/7/07. Sampler inadvertently entered an incorrect sample date on COC. Please correct in LIMS. Thank you.

Above Changes Client, Marcia Olive, per e-mail request **Date:** 5/15/2007

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

Page 1 of 1

F49337: Chain of Custody
Page 3 of 3

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF364-MB	F021319.D	1	05/18/07	WJ	n/a	n/a	VF364

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49337-7

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	35	ug/kg	
107-02-8	Acrolein	ND	25	15	ug/kg	
107-13-1	Acrylonitrile	ND	25	13	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	2.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	3.0	ug/kg	
108-86-1	Bromobenzene	ND	5.0	2.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	2.0	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	2.0	ug/kg	
75-25-2	Bromoform	ND	5.0	2.0	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	3.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	2.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	2.0	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	2.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	3.0	ug/kg	
67-66-3	Chloroform	ND	5.0	2.0	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	2.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	2.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	2.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	13	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	2.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	2.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	2.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	2.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	3.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	2.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	2.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	2.0	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	2.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	2.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	3.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	2.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF364-MB	F021319.D	1	05/18/07	WJ	n/a	n/a	VF364

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49337-7

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	2.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	2.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	2.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	2.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	2.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	2.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.0	ug/kg	
591-78-6	2-Hexanone	ND	25	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/kg	
110-54-3	Hexane	ND	5.0	3.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	2.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	2.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	10	ug/kg	
126-98-7	Methacrylonitrile	ND	25	10	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.0	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.0	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	2.0	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	2.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	10	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	2.0	ug/kg	
100-42-5	Styrene	ND	5.0	2.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	2.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	2.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	2.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF364-MB	F021319.D	1	05/18/07	WJ	n/a	n/a	VF364

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49337-7

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	3.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	2.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	2.0	ug/kg	
108-88-3	Toluene	ND	5.0	2.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	2.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	10	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	10	ug/kg	
	m,p-Xylene	ND	10	3.0	ug/kg	
95-47-6	o-Xylene	ND	5.0	2.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	80-121%
2037-26-5	Toluene-D8	96%	71-130%
460-00-4	4-Bromofluorobenzene	101%	59-148%
17060-07-0	1,2-Dichloroethane-D4	89%	77-123%

Method Blank Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF365-MB	F021347.D	1	05/19/07	WJ	n/a	n/a	VF365

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49337-1, F49337-2, F49337-3, F49337-6

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	35	ug/kg	
107-02-8	Acrolein	ND	25	15	ug/kg	
107-13-1	Acrylonitrile	ND	25	13	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	2.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	3.0	ug/kg	
108-86-1	Bromobenzene	ND	5.0	2.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	2.0	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	2.0	ug/kg	
75-25-2	Bromoform	ND	5.0	2.0	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	3.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	2.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	2.0	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	2.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	3.0	ug/kg	
67-66-3	Chloroform	ND	5.0	2.0	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	2.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	2.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	2.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	13	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	2.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	2.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	2.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	2.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	3.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	2.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	2.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	2.0	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	2.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	2.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	3.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	2.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF365-MB	F021347.D	1	05/19/07	WJ	n/a	n/a	VF365

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49337-1, F49337-2, F49337-3, F49337-6

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	2.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	2.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	2.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	2.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	2.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	2.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.0	ug/kg	
591-78-6	2-Hexanone	ND	25	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/kg	
110-54-3	Hexane	ND	5.0	3.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	2.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	2.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	10	ug/kg	
126-98-7	Methacrylonitrile	ND	25	10	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.0	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.0	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	2.0	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	2.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	10	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	2.0	ug/kg	
100-42-5	Styrene	ND	5.0	2.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	2.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	2.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	2.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF365-MB	F021347.D	1	05/19/07	WJ	n/a	n/a	VF365

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49337-1, F49337-2, F49337-3, F49337-6

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	3.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	2.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	2.0	ug/kg	
108-88-3	Toluene	ND	5.0	2.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	2.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	10	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	10	ug/kg	
	m,p-Xylene	ND	10	3.0	ug/kg	
95-47-6	o-Xylene	ND	5.0	2.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	97%	80-121%
2037-26-5	Toluene-D8	94%	71-130%
460-00-4	4-Bromofluorobenzene	100%	59-148%
17060-07-0	1,2-Dichloroethane-D4	85%	77-123%

Method Blank Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF366-MB	F021376.D	1	05/21/07	WJ	n/a	n/a	VF366

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49337-4, F49337-5, F49337-6

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	35	ug/kg	
107-02-8	Acrolein	ND	25	15	ug/kg	
107-13-1	Acrylonitrile	ND	25	13	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	2.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	3.0	ug/kg	
108-86-1	Bromobenzene	ND	5.0	2.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	2.0	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	2.0	ug/kg	
75-25-2	Bromoform	ND	5.0	2.0	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	3.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	2.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	2.0	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	2.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	3.0	ug/kg	
67-66-3	Chloroform	ND	5.0	2.0	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	2.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	2.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	2.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	13	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	2.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	2.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	2.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	2.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	3.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	2.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	2.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	2.0	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	2.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	2.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	3.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	2.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF366-MB	F021376.D	1	05/21/07	WJ	n/a	n/a	VF366

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49337-4, F49337-5, F49337-6

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	2.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	2.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	2.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	2.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	2.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	2.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.0	ug/kg	
591-78-6	2-Hexanone	ND	25	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/kg	
110-54-3	Hexane	ND	5.0	3.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	2.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	2.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	10	ug/kg	
126-98-7	Methacrylonitrile	ND	25	10	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.0	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.0	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	2.0	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	2.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	10	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	2.0	ug/kg	
100-42-5	Styrene	ND	5.0	2.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	2.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	2.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	2.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF366-MB	F021376.D	1	05/21/07	WJ	n/a	n/a	VF366

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49337-4, F49337-5, F49337-6

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	3.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	2.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	2.0	ug/kg	
108-88-3	Toluene	ND	5.0	2.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	2.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	10	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	10	ug/kg	
	m,p-Xylene	ND	10	3.0	ug/kg	
95-47-6	o-Xylene	ND	5.0	2.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	99%	80-121%
2037-26-5	Toluene-D8	96%	71-130%
460-00-4	4-Bromofluorobenzene	102%	59-148%
17060-07-0	1,2-Dichloroethane-D4	84%	77-123%

Method Blank Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH1631-MB	H043718.D	1	05/21/07	WJ	n/a	n/a	VH1631

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49337-3

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	5.0	2.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	80-121%
2037-26-5	Toluene-D8	97%	71-130%
460-00-4	4-Bromofluorobenzene	100%	59-148%
17060-07-0	1,2-Dichloroethane-D4	102%	77-123%

Blank Spike Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF364-BS	F021318.D	1	05/18/07	WJ	n/a	n/a	VF364

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49337-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	258	103	61-144
75-05-8	Acetonitrile	500	402	80	59-139
107-02-8	Acrolein	250	124	50	27-156
107-13-1	Acrylonitrile	250	219	88	55-144
107-05-1	Allyl chloride	50	43.9	88	41-152
71-43-2	Benzene	50	53.0	106	78-130
100-44-7	Benzyl Chloride	50	57.6	115	74-130
108-86-1	Bromobenzene	50	54.6	109	78-123
74-97-5	Bromochloromethane	50	52.7	105	72-122
75-27-4	Bromodichloromethane	50	46.8	94	73-122
75-25-2	Bromoform	50	55.6	111	70-139
104-51-8	n-Butylbenzene	50	55.6	111	80-138
135-98-8	sec-Butylbenzene	50	54.5	109	82-132
98-06-6	tert-Butylbenzene	50	49.6	99	79-130
108-90-7	Chlorobenzene	50	56.5	113	83-122
75-00-3	Chloroethane	50	42.8	86	61-153
67-66-3	Chloroform	50	51.3	103	79-129
544-10-5	1-Chlorohexane	50	61.7	123	85-137
95-49-8	o-Chlorotoluene	50	50.5	101	77-123
106-43-4	p-Chlorotoluene	50	50.8	102	78-129
110-75-8	2-Chloroethyl vinyl ether	250	197	79	52-142
75-15-0	Carbon disulfide	50	55.5	111	61-142
56-23-5	Carbon tetrachloride	50	54.9	110	79-135
75-34-3	1,1-Dichloroethane	50	52.0	104	77-132
75-35-4	1,1-Dichloroethylene	50	50.5	101	66-132
563-58-6	1,1-Dichloropropene	50	55.4	111	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	43.1	86	67-129
106-93-4	1,2-Dibromoethane	50	51.8	104	77-126
107-06-2	1,2-Dichloroethane	50	46.0	92	78-129
78-87-5	1,2-Dichloropropane	50	50.6	101	74-127
142-28-9	1,3-Dichloropropane	50	48.6	97	78-118
594-20-7	2,2-Dichloropropane	50	54.4	109	80-137
124-48-1	Dibromochloromethane	50	52.2	104	78-117
75-71-8	Dichlorodifluoromethane	50	73.2	146	35-162
156-59-2	cis-1,2-Dichloroethylene	50	51.5	103	74-123
10061-01-5	cis-1,3-Dichloropropene	50	53.5	107	79-130

Blank Spike Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF364-BS	F021318.D	1	05/18/07	WJ	n/a	n/a	VF364

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49337-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	40.3	81	71-126
541-73-1	m-Dichlorobenzene	50	57.8	116	82-126
95-50-1	o-Dichlorobenzene	50	56.1	112	83-123
106-46-7	p-Dichlorobenzene	50	57.6	115	84-124
156-60-5	trans-1,2-Dichloroethylene	50	50.8	102	77-129
10061-02-6	trans-1,3-Dichloropropene	50	52.4	105	87-131
100-41-4	Ethylbenzene	50	53.0	106	82-124
97-63-2	Ethyl methacrylate	50	48.2	96	78-118
76-13-1	Freon 113	50	61.6	123	62-147
591-78-6	2-Hexanone	250	239	96	67-130
87-68-3	Hexachlorobutadiene	50	75.9	152*	77-150
110-54-3	Hexane	50	54.9	110	65-147
98-82-8	Isopropylbenzene	50	60.3	121	82-133
99-87-6	p-Isopropyltoluene	50	56.3	113	82-132
108-10-1	4-Methyl-2-pentanone	250	219	88	69-125
126-98-7	Methacrylonitrile	500	417	83	70-138
74-83-9	Methyl bromide	50	52.0	104	60-146
74-87-3	Methyl chloride	50	53.5	107	58-163
74-88-4	Methyl iodide	50	57.3	115	66-128
80-62-6	Methyl methacrylate	50	39.3	79	73-125
74-95-3	Methylene bromide	50	51.3	103	75-128
75-09-2	Methylene chloride	50	44.9	90	62-140
78-93-3	Methyl ethyl ketone	250	248	99	66-134
1634-04-4	Methyl Tert Butyl Ether	50	48.1	96	70-131
91-20-3	Naphthalene	50	55.1	110	59-143
76-01-7	Pentachloroethane	50	48.6	97	64-156
107-12-0	Propionitrile	500	462	92	73-133
103-65-1	n-Propylbenzene	50	51.3	103	78-129
100-42-5	Styrene	50	53.6	107	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	54.0	108	81-121
71-55-6	1,1,1-Trichloroethane	50	52.9	106	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	45.2	90	70-128
79-00-5	1,1,2-Trichloroethane	50	49.9	100	76-118
87-61-6	1,2,3-Trichlorobenzene	50	66.6	133	78-136
96-18-4	1,2,3-Trichloropropane	50	46.4	93	74-125
120-82-1	1,2,4-Trichlorobenzene	50	69.9	140*	82-137

Blank Spike Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF364-BS	F021318.D	1	05/18/07	WJ	n/a	n/a	VF364

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49337-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	49.5	99	77-129
108-67-8	1,3,5-Trimethylbenzene	50	51.8	104	79-129
127-18-4	Tetrachloroethylene	50	65.7	131	79-132
108-88-3	Toluene	50	55.0	110	80-123
79-01-6	Trichloroethylene	50	55.2	110	78-132
75-69-4	Trichlorofluoromethane	50	58.8	118	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	40.9	82	74-138
75-01-4	Vinyl chloride	50	50.5	101	60-145
108-05-4	Vinyl Acetate	250	239	96	25-164
	m,p-Xylene	100	108	108	82-128
95-47-6	o-Xylene	50	53.9	108	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	80-121%
2037-26-5	Toluene-D8	97%	71-130%
460-00-4	4-Bromofluorobenzene	102%	59-148%
17060-07-0	1,2-Dichloroethane-D4	86%	77-123%

Blank Spike Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF365-BS	F021346.D	1	05/19/07	WJ	n/a	n/a	VF365

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49337-1, F49337-2, F49337-3, F49337-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	230	92	61-144
75-05-8	Acetonitrile	500	348	70	59-139
107-02-8	Acrolein	250	377	151	27-156
107-13-1	Acrylonitrile	250	202	81	55-144
107-05-1	Allyl chloride	50	43.2	86	41-152
71-43-2	Benzene	50	55.6	111	78-130
100-44-7	Benzyl Chloride	50	58.2	116	74-130
108-86-1	Bromobenzene	50	57.2	114	78-123
74-97-5	Bromochloromethane	50	56.3	113	72-122
75-27-4	Bromodichloromethane	50	48.8	98	73-122
75-25-2	Bromoform	50	58.3	117	70-139
104-51-8	n-Butylbenzene	50	57.1	114	80-138
135-98-8	sec-Butylbenzene	50	58.0	116	82-132
98-06-6	tert-Butylbenzene	50	52.2	104	79-130
108-90-7	Chlorobenzene	50	59.6	119	83-122
75-00-3	Chloroethane	50	43.3	87	61-153
67-66-3	Chloroform	50	53.2	106	79-129
544-10-5	1-Chlorohexane	50	66.6	133	85-137
95-49-8	o-Chlorotoluene	50	52.0	104	77-123
106-43-4	p-Chlorotoluene	50	51.5	103	78-129
110-75-8	2-Chloroethyl vinyl ether	250	200	80	52-142
75-15-0	Carbon disulfide	50	59.5	119	61-142
56-23-5	Carbon tetrachloride	50	58.0	116	79-135
75-34-3	1,1-Dichloroethane	50	52.9	106	77-132
75-35-4	1,1-Dichloroethylene	50	51.6	103	66-132
563-58-6	1,1-Dichloropropene	50	58.0	116	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	40.2	80	67-129
106-93-4	1,2-Dibromoethane	50	54.7	109	77-126
107-06-2	1,2-Dichloroethane	50	46.4	93	78-129
78-87-5	1,2-Dichloropropane	50	52.5	105	74-127
142-28-9	1,3-Dichloropropane	50	50.7	101	78-118
594-20-7	2,2-Dichloropropane	50	56.4	113	80-137
124-48-1	Dibromochloromethane	50	53.8	108	78-117
75-71-8	Dichlorodifluoromethane	50	76.8	154	35-162
156-59-2	cis-1,2-Dichloroethylene	50	56.7	113	74-123
10061-01-5	cis-1,3-Dichloropropene	50	53.6	107	79-130

Blank Spike Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF365-BS	F021346.D	1	05/19/07	WJ	n/a	n/a	VF365

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49337-1, F49337-2, F49337-3, F49337-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	36.9	74	71-126
541-73-1	m-Dichlorobenzene	50	59.3	119	82-126
95-50-1	o-Dichlorobenzene	50	58.6	117	83-123
106-46-7	p-Dichlorobenzene	50	59.8	120	84-124
156-60-5	trans-1,2-Dichloroethylene	50	53.0	106	77-129
10061-02-6	trans-1,3-Dichloropropene	50	54.1	108	87-131
100-41-4	Ethylbenzene	50	55.1	110	82-124
97-63-2	Ethyl methacrylate	50	48.3	97	78-118
76-13-1	Freon 113	50	63.4	127	62-147
591-78-6	2-Hexanone	250	231	92	67-130
87-68-3	Hexachlorobutadiene	50	75.9	152*	77-150
110-54-3	Hexane	50	55.9	112	65-147
98-82-8	Isopropylbenzene	50	65.8	132	82-133
99-87-6	p-Isopropyltoluene	50	59.7	119	82-132
108-10-1	4-Methyl-2-pentanone	250	211	84	69-125
126-98-7	Methacrylonitrile	500	381	76	70-138
74-83-9	Methyl bromide	50	51.1	102	60-146
74-87-3	Methyl chloride	50	55.1	110	58-163
74-88-4	Methyl iodide	50	62.8	126	66-128
80-62-6	Methyl methacrylate	50	38.0	76	73-125
74-95-3	Methylene bromide	50	53.1	106	75-128
75-09-2	Methylene chloride	50	43.9	88	62-140
78-93-3	Methyl ethyl ketone	250	232	93	66-134
1634-04-4	Methyl Tert Butyl Ether	50	48.8	98	70-131
91-20-3	Naphthalene	50	52.2	104	59-143
76-01-7	Pentachloroethane	50	51.3	103	64-156
107-12-0	Propionitrile	500	416	83	73-133
103-65-1	n-Propylbenzene	50	53.1	106	78-129
100-42-5	Styrene	50	57.2	114	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	58.0	116	81-121
71-55-6	1,1,1-Trichloroethane	50	56.0	112	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	44.4	89	70-128
79-00-5	1,1,2-Trichloroethane	50	51.2	102	76-118
87-61-6	1,2,3-Trichlorobenzene	50	65.0	130	78-136
96-18-4	1,2,3-Trichloropropane	50	46.2	92	74-125
120-82-1	1,2,4-Trichlorobenzene	50	67.8	136	82-137

Blank Spike Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF365-BS	F021346.D	1	05/19/07	WJ	n/a	n/a	VF365

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49337-1, F49337-2, F49337-3, F49337-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	52.8	106	77-129
108-67-8	1,3,5-Trimethylbenzene	50	53.9	108	79-129
127-18-4	Tetrachloroethylene	50	74.8	150*	79-132
108-88-3	Toluene	50	58.7	117	80-123
79-01-6	Trichloroethylene	50	59.1	118	78-132
75-69-4	Trichlorofluoromethane	50	60.2	120	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	40.3	81	74-138
75-01-4	Vinyl chloride	50	49.1	98	60-145
108-05-4	Vinyl Acetate	250	231	92	25-164
	m,p-Xylene	100	115	115	82-128
95-47-6	o-Xylene	50	56.9	114	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	80-121%
2037-26-5	Toluene-D8	101%	71-130%
460-00-4	4-Bromofluorobenzene	105%	59-148%
17060-07-0	1,2-Dichloroethane-D4	80%	77-123%

Blank Spike Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF366-BS	F021375.D	1	05/21/07	WJ	n/a	n/a	VF366

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49337-4, F49337-5, F49337-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	269	108	61-144
75-05-8	Acetonitrile	500	390	78	59-139
107-02-8	Acrolein	250	389	156	27-156
107-13-1	Acrylonitrile	250	225	90	55-144
107-05-1	Allyl chloride	50	42.6	85	41-152
71-43-2	Benzene	50	53.9	108	78-130
100-44-7	Benzyl Chloride	50	58.0	116	74-130
108-86-1	Bromobenzene	50	55.2	110	78-123
74-97-5	Bromochloromethane	50	55.4	111	72-122
75-27-4	Bromodichloromethane	50	46.7	93	73-122
75-25-2	Bromoform	50	55.8	112	70-139
104-51-8	n-Butylbenzene	50	55.4	111	80-138
135-98-8	sec-Butylbenzene	50	56.0	112	82-132
98-06-6	tert-Butylbenzene	50	49.7	99	79-130
108-90-7	Chlorobenzene	50	56.2	112	83-122
75-00-3	Chloroethane	50	42.4	85	61-153
67-66-3	Chloroform	50	50.9	102	79-129
544-10-5	1-Chlorohexane	50	61.7	123	85-137
95-49-8	o-Chlorotoluene	50	50.5	101	77-123
106-43-4	p-Chlorotoluene	50	51.3	103	78-129
110-75-8	2-Chloroethyl vinyl ether	250	200	80	52-142
75-15-0	Carbon disulfide	50	58.0	116	61-142
56-23-5	Carbon tetrachloride	50	55.4	111	79-135
75-34-3	1,1-Dichloroethane	50	50.8	102	77-132
75-35-4	1,1-Dichloroethylene	50	49.4	99	66-132
563-58-6	1,1-Dichloropropene	50	54.9	110	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	38.4	77	67-129
106-93-4	1,2-Dibromoethane	50	52.7	105	77-126
107-06-2	1,2-Dichloroethane	50	44.8	90	78-129
78-87-5	1,2-Dichloropropane	50	51.4	103	74-127
142-28-9	1,3-Dichloropropane	50	48.9	98	78-118
594-20-7	2,2-Dichloropropane	50	54.1	108	80-137
124-48-1	Dibromochloromethane	50	51.6	103	78-117
75-71-8	Dichlorodifluoromethane	50	75.3	151	35-162
156-59-2	cis-1,2-Dichloroethylene	50	55.0	110	74-123
10061-01-5	cis-1,3-Dichloropropene	50	52.5	105	79-130

Blank Spike Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF366-BS	F021375.D	1	05/21/07	WJ	n/a	n/a	VF366

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49337-4, F49337-5, F49337-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	36.9	74	71-126
541-73-1	m-Dichlorobenzene	50	58.4	117	82-126
95-50-1	o-Dichlorobenzene	50	57.3	115	83-123
106-46-7	p-Dichlorobenzene	50	57.5	115	84-124
156-60-5	trans-1,2-Dichloroethylene	50	49.4	99	77-129
10061-02-6	trans-1,3-Dichloropropene	50	51.7	103	87-131
100-41-4	Ethylbenzene	50	52.5	105	82-124
97-63-2	Ethyl methacrylate	50	46.9	94	78-118
76-13-1	Freon 113	50	62.0	124	62-147
591-78-6	2-Hexanone	250	240	96	67-130
87-68-3	Hexachlorobutadiene	50	72.9	146	77-150
110-54-3	Hexane	50	57.8	116	65-147
98-82-8	Isopropylbenzene	50	61.4	123	82-133
99-87-6	p-Isopropyltoluene	50	57.4	115	82-132
108-10-1	4-Methyl-2-pentanone	250	207	83	69-125
126-98-7	Methacrylonitrile	500	383	77	70-138
74-83-9	Methyl bromide	50	50.0	100	60-146
74-87-3	Methyl chloride	50	53.4	107	58-163
74-88-4	Methyl iodide	50	59.2	118	66-128
80-62-6	Methyl methacrylate	50	37.0	74	73-125
74-95-3	Methylene bromide	50	52.5	105	75-128
75-09-2	Methylene chloride	50	42.7	85	62-140
78-93-3	Methyl ethyl ketone	250	254	102	66-134
1634-04-4	Methyl Tert Butyl Ether	50	46.9	94	70-131
91-20-3	Naphthalene	50	52.3	105	59-143
76-01-7	Pentachloroethane	50	49.7	99	64-156
107-12-0	Propionitrile	500	423	85	73-133
103-65-1	n-Propylbenzene	50	52.0	104	78-129
100-42-5	Styrene	50	54.7	109	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	56.2	112	81-121
71-55-6	1,1,1-Trichloroethane	50	52.9	106	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	44.9	90	70-128
79-00-5	1,1,2-Trichloroethane	50	50.0	100	76-118
87-61-6	1,2,3-Trichlorobenzene	50	64.3	129	78-136
96-18-4	1,2,3-Trichloropropane	50	46.2	92	74-125
120-82-1	1,2,4-Trichlorobenzene	50	67.3	135	82-137

Blank Spike Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF366-BS	F021375.D	1	05/21/07	WJ	n/a	n/a	VF366

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49337-4, F49337-5, F49337-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	50.6	101	77-129
108-67-8	1,3,5-Trimethylbenzene	50	52.6	105	79-129
127-18-4	Tetrachloroethylene	50	69.2	138*	79-132
108-88-3	Toluene	50	55.9	112	80-123
79-01-6	Trichloroethylene	50	57.0	114	78-132
75-69-4	Trichlorofluoromethane	50	58.3	117	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	39.9	80	74-138
75-01-4	Vinyl chloride	50	48.7	97	60-145
108-05-4	Vinyl Acetate	250	243	97	25-164
	m,p-Xylene	100	109	109	82-128
95-47-6	o-Xylene	50	54.9	110	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	80-121%
2037-26-5	Toluene-D8	99%	71-130%
460-00-4	4-Bromofluorobenzene	106%	59-148%
17060-07-0	1,2-Dichloroethane-D4	81%	77-123%

Blank Spike Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH1631-BS	H043716.D	1	05/21/07	WJ	n/a	n/a	VH1631

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49337-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
98-82-8	Isopropylbenzene	50	56.8	114	82-133

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	80-121%
2037-26-5	Toluene-D8	95%	71-130%
460-00-4	4-Bromofluorobenzene	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	99%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49392-1MS	F021326.D	1	05/18/07	WJ	n/a	n/a	VF364
F49392-1MSD	F021327.D	1	05/18/07	WJ	n/a	n/a	VF364
F49392-1	F021325.D	1	05/18/07	WJ	n/a	n/a	VF364

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49337-7

CAS No.	Compound	F49392-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		363	225	62	200	55*	12	61-144/29
75-05-8	Acetonitrile	ND		726	405	56*	422	58*	4	59-139/30
107-02-8	Acrolein	ND		363	190	52	184	51	3	27-156/39
107-13-1	Acrylonitrile	ND		363	269	74	263	73	2	55-144/24
107-05-1	Allyl chloride	ND		72.6	62.9	87	60.5	84	4	41-152/24
71-43-2	Benzene	ND		72.6	72.9	100	71.1	98	3	78-130/25
100-44-7	Benzyl Chloride	ND		72.6	68.1	94	64.0	88	6	74-130/28
108-86-1	Bromobenzene	ND		72.6	74.7	103	70.9	98	5	78-123/30
74-97-5	Bromochloromethane	ND		72.6	66.2	91	67.2	93	1	72-122/23
75-27-4	Bromodichloromethane	ND		72.6	71.8	99	65.1	90	10	73-122/25
75-25-2	Bromoform	ND		72.6	81.6	112	75.2	104	8	70-139/26
104-51-8	n-Butylbenzene	ND		72.6	76.0	105	69.1	95	10	80-138/31
135-98-8	sec-Butylbenzene	ND		72.6	77.5	107	70.8	98	9	82-132/29
98-06-6	tert-Butylbenzene	ND		72.6	74.9	103	67.9	94	10	79-130/29
108-90-7	Chlorobenzene	ND		72.6	80.8	111	75.3	104	7	83-122/23
75-00-3	Chloroethane	ND		72.6	71.2	98	67.6	93	5	61-153/31
67-66-3	Chloroform	ND		72.6	75.7	104	71.0	98	6	79-129/27
544-10-5	1-Chlorohexane	ND		72.6	86.3	119	79.4	110	8	85-137/29
95-49-8	o-Chlorotoluene	ND		72.6	72.7	100	66.9	92	8	77-123/31
106-43-4	p-Chlorotoluene	ND		72.6	73.6	101	66.8	92	10	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		363	289	80	294	81	2	52-142/25
75-15-0	Carbon disulfide	ND		72.6	74.2	102	75.0	104	1	61-142/27
56-23-5	Carbon tetrachloride	ND		72.6	78.9	109	75.1	104	5	79-135/29
75-34-3	1,1-Dichloroethane	ND		72.6	74.5	103	71.3	99	4	77-132/26
75-35-4	1,1-Dichloroethylene	ND		72.6	75.5	104	70.3	97	7	66-132/27
563-58-6	1,1-Dichloropropene	ND		72.6	79.4	109	74.7	103	6	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		72.6	61.9	85	58.1	80	6	67-129/29
106-93-4	1,2-Dibromoethane	ND		72.6	74.3	102	70.0	97	6	77-126/24
107-06-2	1,2-Dichloroethane	ND		72.6	76.1	105	67.3	93	12	78-129/24
78-87-5	1,2-Dichloropropane	ND		72.6	73.4	101	69.1	95	6	74-127/27
142-28-9	1,3-Dichloropropane	ND		72.6	73.9	102	67.1	93	10	78-118/26
594-20-7	2,2-Dichloropropane	ND		72.6	72.7	100	67.4	93	8	80-137/28
124-48-1	Dibromochloromethane	ND		72.6	74.0	102	68.5	95	8	78-117/27
75-71-8	Dichlorodifluoromethane	ND		72.6	109	150	103	142	6	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		72.6	67.7	93	68.7	95	1	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		72.6	76.9	106	70.2	97	9	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49392-1MS	F021326.D	1	05/18/07	WJ	n/a	n/a	VF364
F49392-1MSD	F021327.D	1	05/18/07	WJ	n/a	n/a	VF364
F49392-1	F021325.D	1	05/18/07	WJ	n/a	n/a	VF364

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49337-7

CAS No.	Compound	F49392-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		72.6	59.0	81	53.4	74	10	71-126/28
541-73-1	m-Dichlorobenzene	ND		72.6	79.0	109	74.8	103	5	82-126/29
95-50-1	o-Dichlorobenzene	ND		72.6	77.3	107	73.5	102	5	83-123/28
106-46-7	p-Dichlorobenzene	ND		72.6	79.7	110	74.4	103	7	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		72.6	73.7	102	69.6	96	6	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		72.6	79.5	110	71.5	99	11	87-131/27
100-41-4	Ethylbenzene	ND		72.6	79.0	109	71.0	98	11	82-124/25
97-63-2	Ethyl methacrylate	ND		72.6	69.0	95	66.1	91	4	78-118/30
76-13-1	Freon 113	ND		72.6	76.3	105	77.9	108	2	62-147/29
591-78-6	2-Hexanone	ND		363	341	94	312	86	9	67-130/29
87-68-3	Hexachlorobutadiene	ND		72.6	92.0	127	85.8	119	7	77-150/36
110-54-3	Hexane	ND		72.6	63.0	87	60.4	83	4	65-147/27
98-82-8	Isopropylbenzene	ND		72.6	90.4	125	80.2	111	12	82-133/27
99-87-6	p-Isopropyltoluene	ND		72.6	78.6	108	71.5	99	9	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		363	332	92	304	84	9	69-125/24
126-98-7	Methacrylonitrile	ND		726	652	90	584	81	11	70-138/22
74-83-9	Methyl bromide	ND		72.6	81.6	112	78.5	108	4	60-146/31
74-87-3	Methyl chloride	ND		72.6	83.3	115	79.6	110	5	58-163/26
74-88-4	Methyl iodide	ND		72.6	69.8	96	72.7	100	4	66-128/27
80-62-6	Methyl methacrylate	ND		72.6	63.7	88	56.4	78	12	73-125/24
74-95-3	Methylene bromide	ND		72.6	74.6	103	70.0	97	6	75-128/26
75-09-2	Methylene chloride	ND		72.6	70.7	97	66.9	92	6	62-140/25
78-93-3	Methyl ethyl ketone	ND		363	288	79	271	75	6	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		72.6	65.9	91	66.3	92	1	70-131/25
91-20-3	Naphthalene	ND		72.6	73.5	101	71.8	99	2	59-143/31
76-01-7	Pentachloroethane	ND		72.6	59.8	82	51.1	71	16	64-156/37
107-12-0	Propionitrile	ND		726	566	78	508	70*	11	73-133/23
103-65-1	n-Propylbenzene	ND		72.6	74.1	102	66.8	92	10	78-129/29
100-42-5	Styrene	ND		72.6	82.3	113	72.5	100	13	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		72.6	79.8	110	71.2	98	11	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		72.6	78.8	109	72.9	101	8	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		72.6	64.2	88	59.3	82	8	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		72.6	74.8	103	66.2	91	12	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		72.6	86.7	119	82.1	113	5	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		72.6	65.0	90	64.2	89	1	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		72.6	86.7	119	84.2	116	3	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49392-1MS	F021326.D	1	05/18/07	WJ	n/a	n/a	VF364
F49392-1MSD	F021327.D	1	05/18/07	WJ	n/a	n/a	VF364
F49392-1	F021325.D	1	05/18/07	WJ	n/a	n/a	VF364

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49337-7

CAS No.	Compound	F49392-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		72.6	73.2	101	67.9	94	8	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		72.6	73.8	102	67.5	93	9	79-129/31
127-18-4	Tetrachloroethylene	ND		72.6	98.4	136*	98.4	136*	0	79-132/27
108-88-3	Toluene	ND		72.6	77.7	107	71.5	99	8	80-123/26
79-01-6	Trichloroethylene	ND		72.6	82.4	114	76.9	106	7	78-132/28
75-69-4	Trichlorofluoromethane	ND		72.6	87.6	121	83.0	115	5	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		72.6	61.9	85	57.7	80	7	74-138/30
75-01-4	Vinyl chloride	ND		72.6	83.4	115	75.9	105	9	60-145/29
108-05-4	Vinyl Acetate	ND		363	340	94	300	83	13	25-164/35
	m,p-Xylene	ND		145	164	113	148	102	10	82-128/25
95-47-6	o-Xylene	ND		72.6	82.3	113	72.5	100	13	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F49392-1	Limits
1868-53-7	Dibromofluoromethane	90%	96%	103%	80-121%
2037-26-5	Toluene-D8	95%	95%	97%	71-130%
460-00-4	4-Bromofluorobenzene	98%	100%	100%	59-148%
17060-07-0	1,2-Dichloroethane-D4	96%	90%	112%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49392-6MS	F021350.D	1	05/19/07	WJ	n/a	n/a	VF365
F49392-6MSD	F021351.D	1	05/19/07	WJ	n/a	n/a	VF365
F49392-6	F021349.D	1	05/19/07	WJ	n/a	n/a	VF365

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49337-1, F49337-2, F49337-3, F49337-6

CAS No.	Compound	F49392-6 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		292	133	46*	157	54*	17	61-144/29
75-05-8	Acetonitrile	ND		584	298	51*	291	50*	2	59-139/30
107-02-8	Acrolein	ND		292	327	112	465	159*	35	27-156/39
107-13-1	Acrylonitrile	ND		292	180	62	200	68	11	55-144/24
107-05-1	Allyl chloride	ND		58.4	36.5	63	45.0	77	21	41-152/24
71-43-2	Benzene	ND		58.4	48.2	83	57.9	99	18	78-130/25
100-44-7	Benzyl Chloride	ND		58.4	46.9	80	58.7	100	22	74-130/28
108-86-1	Bromobenzene	ND		58.4	50.1	86	61.1	104	20	78-123/30
74-97-5	Bromochloromethane	ND		58.4	51.6	88	59.6	102	14	72-122/23
75-27-4	Bromodichloromethane	ND		58.4	42.1	72*	49.5	84	16	73-122/25
75-25-2	Bromoform	ND		58.4	50.7	87	61.2	104	19	70-139/26
104-51-8	n-Butylbenzene	ND		58.4	45.9	79*	58.8	100	25	80-138/31
135-98-8	sec-Butylbenzene	ND		58.4	47.1	81*	61.3	105	26	82-132/29
98-06-6	tert-Butylbenzene	ND		58.4	42.6	73*	55.4	95	26	79-130/29
108-90-7	Chlorobenzene	ND		58.4	50.7	87	63.3	108	22	83-122/23
75-00-3	Chloroethane	ND		58.4	33.6	58*	41.9	71	22	61-153/31
67-66-3	Chloroform	ND		58.4	45.4	78*	54.5	93	18	79-129/27
544-10-5	1-Chlorohexane	ND		58.4	54.5	93	68.1	116	22	85-137/29
95-49-8	o-Chlorotoluene	ND		58.4	39.3	67*	55.6	95	34*	77-123/31
106-43-4	p-Chlorotoluene	ND		58.4	44.6	76*	55.8	95	22	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		292	176	60	217	74	21	52-142/25
75-15-0	Carbon disulfide	ND		58.4	51.0	87	60.4	103	17	61-142/27
56-23-5	Carbon tetrachloride	ND		58.4	48.8	84	59.0	101	19	79-135/29
75-34-3	1,1-Dichloroethane	ND		58.4	46.0	79	55.2	94	18	77-132/26
75-35-4	1,1-Dichloroethylene	ND		58.4	43.5	75	52.3	89	18	66-132/27
563-58-6	1,1-Dichloropropene	ND		58.4	49.3	84	59.9	102	19	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		58.4	34.9	60*	44.8	76	25	67-129/29
106-93-4	1,2-Dibromoethane	ND		58.4	47.8	82	57.4	98	18	77-126/24
107-06-2	1,2-Dichloroethane	ND		58.4	40.5	69*	47.4	81	16	78-129/24
78-87-5	1,2-Dichloropropane	ND		58.4	45.5	78	54.1	92	17	74-127/27
142-28-9	1,3-Dichloropropane	ND		58.4	43.7	75*	53.8	92	21	78-118/26
594-20-7	2,2-Dichloropropane	ND		58.4	45.5	78*	56.2	96	21	80-137/28
124-48-1	Dibromochloromethane	ND		58.4	47.1	81	56.3	96	18	78-117/27
75-71-8	Dichlorodifluoromethane	ND		58.4	61.8	106	74.0	126	18	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		58.4	49.3	84	58.0	99	16	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		58.4	46.9	80	56.0	96	18	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49392-6MS	F021350.D	1	05/19/07	WJ	n/a	n/a	VF365
F49392-6MSD	F021351.D	1	05/19/07	WJ	n/a	n/a	VF365
F49392-6	F021349.D	1	05/19/07	WJ	n/a	n/a	VF365

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49337-1, F49337-2, F49337-3, F49337-6

CAS No.	Compound	F49392-6 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		58.4	32.5	56*	39.7	68*	20	71-126/28
541-73-1	m-Dichlorobenzene	ND		58.4	51.4	88	64.3	110	22	82-126/29
95-50-1	o-Dichlorobenzene	ND		58.4	50.0	86	62.5	107	22	83-123/28
106-46-7	p-Dichlorobenzene	ND		58.4	51.2	88	63.8	109	22	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		58.4	45.5	78	55.2	94	19	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		58.4	46.1	79*	56.8	97	21	87-131/27
100-41-4	Ethylbenzene	ND		58.4	46.9	80*	58.8	100	23	82-124/25
97-63-2	Ethyl methacrylate	ND		58.4	39.7	68*	49.6	85	22	78-118/30
76-13-1	Freon 113	ND		58.4	54.1	93	64.1	109	17	62-147/29
591-78-6	2-Hexanone	ND		292	174	60*	217	74	22	67-130/29
87-68-3	Hexachlorobutadiene	ND		58.4	54.4	93	75.3	128	32	77-150/36
110-54-3	Hexane	ND		58.4	45.3	78	55.5	95	20	65-147/27
98-82-8	Isopropylbenzene	ND		58.4	54.1	93	67.7	115	22	82-133/27
99-87-6	p-Isopropyltoluene	ND		58.4	48.7	83	61.2	104	23	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		292	181	62*	224	76	21	69-125/24
126-98-7	Methacrylonitrile	ND		584	335	57*	398	68*	17	70-138/22
74-83-9	Methyl bromide	ND		58.4	40.2	69	49.5	84	21	60-146/31
74-87-3	Methyl chloride	ND		58.4	43.4	74	53.8	92	21	58-163/26
74-88-4	Methyl iodide	ND		58.4	54.8	94	63.0	107	14	66-128/27
80-62-6	Methyl methacrylate	ND		58.4	32.4	55*	39.1	67*	19	73-125/24
74-95-3	Methylene bromide	ND		58.4	47.1	81	55.4	95	16	75-128/26
75-09-2	Methylene chloride	ND		58.4	41.0	70	50.7	86	21	62-140/25
78-93-3	Methyl ethyl ketone	ND		292	168	58*	202	69	18	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		58.4	43.4	74	50.5	86	15	70-131/25
91-20-3	Naphthalene	ND		58.4	45.1	77	56.8	97	23	59-143/31
76-01-7	Pentachloroethane	ND		58.4	41.8	72	47.6	81	13	64-156/37
107-12-0	Propionitrile	ND		584	359	61*	423	72*	16	73-133/23
103-65-1	n-Propylbenzene	ND		58.4	45.3	78	57.4	98	24	78-129/29
100-42-5	Styrene	ND		58.4	48.9	84	60.8	104	22	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		58.4	49.7	85	59.8	102	18	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		58.4	47.2	81	56.8	97	18	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		58.4	40.4	69*	47.6	81	16	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		58.4	45.1	77	53.8	92	18	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		58.4	52.8	90	66.7	114	23	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		58.4	42.7	73*	51.0	87	18	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		58.4	55.1	94	69.1	118	23	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49392-6MS	F021350.D	1	05/19/07	WJ	n/a	n/a	VF365
F49392-6MSD	F021351.D	1	05/19/07	WJ	n/a	n/a	VF365
F49392-6	F021349.D	1	05/19/07	WJ	n/a	n/a	VF365

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49337-1, F49337-2, F49337-3, F49337-6

CAS No.	Compound	F49392-6 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		58.4	44.4	76*	55.6	95	22	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		58.4	45.6	78*	57.5	98	23	79-129/31
127-18-4	Tetrachloroethylene	ND		58.4	64.8	111	82.5	141*	24	79-132/27
108-88-3	Toluene	ND		58.4	50.9	87	62.2	106	20	80-123/26
79-01-6	Trichloroethylene	ND		58.4	51.5	88	62.1	106	19	78-132/28
75-69-4	Trichlorofluoromethane	ND		58.4	46.4	79	57.0	97	21	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		58.4	34.7	59*	42.7	73*	21	74-138/30
75-01-4	Vinyl chloride	ND		58.4	38.8	66	48.4	83	22	60-145/29
108-05-4	Vinyl Acetate	ND		292	196	67	230	78	16	25-164/35
	m,p-Xylene	ND		117	96.9	83	121	103	22	82-128/25
95-47-6	o-Xylene	ND		58.4	48.6	83	60.5	103	22	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F49392-6	Limits
1868-53-7	Dibromofluoromethane	96%	92%	97%	80-121%
2037-26-5	Toluene-D8	97%	98%	95%	71-130%
460-00-4	4-Bromofluorobenzene	104%	103%	105%	59-148%
17060-07-0	1,2-Dichloroethane-D4	79%	77%	74%* [a]	77-123%

(a) Outside control limits due to matrix interference. Confirmed by reanalysis.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49486-32MS	F021378.D	1	05/21/07	WJ	n/a	n/a	VF366
F49486-32MSD	F021379.D	1	05/21/07	WJ	n/a	n/a	VF366
F49486-32 [a]	F021377.D	1	05/21/07	WJ	n/a	n/a	VF366

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49337-4, F49337-5, F49337-6

CAS No.	Compound	F49486-32 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		317	166	52*	130	41*	24	61-144/29
75-05-8	Acetonitrile	ND		634	329	52*	251	40*	27	59-139/30
107-02-8	Acrolein	ND		317	369	116	304	97	19	27-156/39
107-13-1	Acrylonitrile	ND		317	229	72	185	59	21	55-144/24
107-05-1	Allyl chloride	ND		63.4	69.5	110	63.5	101	9	41-152/24
71-43-2	Benzene	ND		63.4	73.2	115	67.6	108	8	78-130/25
100-44-7	Benzyl Chloride	ND		63.4	77.9	123	66.6	106	16	74-130/28
108-86-1	Bromobenzene	ND		63.4	99.6	157*	80.4	128*	21	78-123/30
74-97-5	Bromochloromethane	ND		63.4	62.9	99	56.1	89	11	72-122/23
75-27-4	Bromodichloromethane	ND		63.4	60.8	96	54.9	87	10	73-122/25
75-25-2	Bromoform	ND		63.4	53.4	84	48.5	77	10	70-139/26
104-51-8	n-Butylbenzene	ND		63.4	47.8	75*	40.3	64*	17	80-138/31
135-98-8	sec-Butylbenzene	ND		63.4	58.2	92	48.4	77*	18	82-132/29
98-06-6	tert-Butylbenzene	ND		63.4	66.6	105	54.6	87	20	79-130/29
108-90-7	Chlorobenzene	ND		63.4	71.6	113	65.9	105	8	83-122/23
75-00-3	Chloroethane	ND		63.4	82.9	131	74.3	118	11	61-153/31
67-66-3	Chloroform	ND		63.4	72.9	115	66.1	105	10	79-129/27
544-10-5	1-Chlorohexane	ND		63.4	58.3	92	53.2	85	9	85-137/29
95-49-8	o-Chlorotoluene	ND		63.4	92.0	145*	75.2	120	20	77-123/31
106-43-4	p-Chlorotoluene	ND		63.4	91.5	144*	74.8	119	20	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		317	205	65	189	60	8	52-142/25
75-15-0	Carbon disulfide	ND		63.4	81.3	128	74.2	118	9	61-142/27
56-23-5	Carbon tetrachloride	ND		63.4	73.8	116	66.2	105	11	79-135/29
75-34-3	1,1-Dichloroethane	ND		63.4	77.2	122	72.0	115	7	77-132/26
75-35-4	1,1-Dichloroethylene	ND		63.4	79.7	126	72.6	116	9	66-132/27
563-58-6	1,1-Dichloropropene	ND		63.4	77.2	122	70.8	113	9	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		63.4	67.1	106	50.4	80	28	67-129/29
106-93-4	1,2-Dibromoethane	ND		63.4	62.7	99	56.6	90	10	77-126/24
107-06-2	1,2-Dichloroethane	ND		63.4	59.4	94	54.5	87	9	78-129/24
78-87-5	1,2-Dichloropropane	ND		63.4	68.0	107	62.8	100	8	74-127/27
142-28-9	1,3-Dichloropropane	ND		63.4	66.9	106	60.7	97	10	78-118/26
594-20-7	2,2-Dichloropropane	ND		63.4	81.1	128	71.6	114	12	80-137/28
124-48-1	Dibromochloromethane	ND		63.4	65.5	103	57.9	92	12	78-117/27
75-71-8	Dichlorodifluoromethane	ND		63.4	121	191*	109	173*	10	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		63.4	71.2	112	66.1	105	7	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		63.4	63.0	99	59.1	94	6	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49486-32MS	F021378.D	1	05/21/07	WJ	n/a	n/a	VF366
F49486-32MSD	F021379.D	1	05/21/07	WJ	n/a	n/a	VF366
F49486-32 [a]	F021377.D	1	05/21/07	WJ	n/a	n/a	VF366

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49337-4, F49337-5, F49337-6

CAS No.	Compound	F49486-32 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		63.4	86.8	137*	65.1	104	29*	71-126/28
541-73-1	m-Dichlorobenzene	ND		63.4	73.6	116	62.0	99	17	82-126/29
95-50-1	o-Dichlorobenzene	ND		63.4	65.3	103	54.5	87	18	83-123/28
106-46-7	p-Dichlorobenzene	ND		63.4	74.0	117	64.8	103	13	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		63.4	78.7	124	70.9	113	10	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		63.4	75.3	119	68.4	109	10	87-131/27
100-41-4	Ethylbenzene	ND		63.4	68.7	108	61.9	98	10	82-124/25
97-63-2	Ethyl methacrylate	ND		63.4	45.1	71*	37.1	59*	19	78-118/30
76-13-1	Freon 113	ND		63.4	71.7	113	65.8	105	9	62-147/29
591-78-6	2-Hexanone	ND		317	259	82	219	70	17	67-130/29
87-68-3	Hexachlorobutadiene	ND		63.4	19.8	31*	18.5	29*	7	77-150/36
110-54-3	Hexane	ND		63.4	37.2	59*	33.1	53*	12	65-147/27
98-82-8	Isopropylbenzene	ND		63.4	58.6	92	52.5	84	11	82-133/27
99-87-6	p-Isopropyltoluene	ND		63.4	57.5	91	48.2	77*	18	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		317	281	89	238	76	17	69-125/24
126-98-7	Methacrylonitrile	ND		634	434	68*	387	62*	11	70-138/22
74-83-9	Methyl bromide	ND		63.4	90.2	142	83.2	132	8	60-146/31
74-87-3	Methyl chloride	ND		63.4	94.8	150	86.2	137	10	58-163/26
74-88-4	Methyl iodide	ND		63.4	74.4	117	68.3	109	9	66-128/27
80-62-6	Methyl methacrylate	ND		63.4	49.3	78	43.7	70*	12	73-125/24
74-95-3	Methylene bromide	ND		63.4	56.6	89	52.0	83	8	75-128/26
75-09-2	Methylene chloride	ND		63.4	66.3	105	59.7	95	10	62-140/25
78-93-3	Methyl ethyl ketone	ND		317	192	61*	167	53*	14	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		63.4	57.5	91	51.2	81	12	70-131/25
91-20-3	Naphthalene	ND		63.4	30.7	48*	28.8	46*	6	59-143/31
76-01-7	Pentachloroethane	ND		63.4	78.0	123	59.4	95	27	64-156/37
107-12-0	Propionitrile	ND		634	406	64*	342	54*	17	73-133/23
103-65-1	n-Propylbenzene	ND		63.4	86.1	136*	70.3	112	20	78-129/29
100-42-5	Styrene	ND		63.4	61.5	97	56.7	90	8	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		63.4	70.9	112	63.3	101	11	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		63.4	78.0	123	70.0	111	11	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		63.4	88.3	139*	69.7	111	24	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		63.4	66.3	105	60.1	96	10	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		63.4	23.2	37*	22.8	36*	2	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		63.4	96.1	152*	75.2	120	24	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		63.4	29.3	46*	27.8	44*	5	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49486-32MS	F021378.D	1	05/21/07	WJ	n/a	n/a	VF366
F49486-32MSD	F021379.D	1	05/21/07	WJ	n/a	n/a	VF366
F49486-32 [a]	F021377.D	1	05/21/07	WJ	n/a	n/a	VF366

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49337-4, F49337-5, F49337-6

CAS No.	Compound	F49486-32 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		63.4	73.7	116	60.0	95	20	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		63.4	74.8	118	62.0	99	19	79-129/31
127-18-4	Tetrachloroethylene	ND		63.4	76.3	120	69.8	111	9	79-132/27
108-88-3	Toluene	ND		63.4	87.3	138*	78.1	124*	11	80-123/26
79-01-6	Trichloroethylene	ND		63.4	73.0	115	67.3	107	8	78-132/28
75-69-4	Trichlorofluoromethane	ND		63.4	91.0	144	83.5	133	9	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		63.4	91.5	144*	71.0	113	25	74-138/30
75-01-4	Vinyl chloride	ND		63.4	90.6	143	83.0	132	9	60-145/29
108-05-4	Vinyl Acetate	ND		317	29.3	9*	19.4	6*	41*	25-164/35
	m,p-Xylene	ND		127	135	106	122	97	10	82-128/25
95-47-6	o-Xylene	ND		63.4	64.7	102	58.5	93	10	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F49486-32	Limits
1868-53-7	Dibromofluoromethane	99%	95%	100%	80-121%
2037-26-5	Toluene-D8	118%	114%	110%	71-130%
460-00-4	4-Bromofluorobenzene	153%*	139%	120%	59-148%
17060-07-0	1,2-Dichloroethane-D4	84%	82%	92%	77-123%

(a) Sample was received in a bulk container but was not preserved within 48 hours of sampling.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49371-3MS	H043720.D	1	05/21/07	WJ	n/a	n/a	VH1631
F49371-3MSD	H043721.D	1	05/21/07	WJ	n/a	n/a	VH1631
F49371-3	H043719.D	1	05/21/07	WJ	n/a	n/a	VH1631

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49337-3

CAS No.	Compound	F49371-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
98-82-8	Isopropylbenzene	ND		54.5	63.3	116	56.9	104	11	82-133/27

CAS No.	Surrogate Recoveries	MS	MSD	F49371-3	Limits
1868-53-7	Dibromofluoromethane	105%	102%	104%	80-121%
2037-26-5	Toluene-D8	102%	101%	108%	71-130%
460-00-4	4-Bromofluorobenzene	110%	111%	120%	59-148%
17060-07-0	1,2-Dichloroethane-D4	111%	111%	103%	77-123%

GC/MS Semi-volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20671-MB	U002174.D	1	05/22/07	NJ	05/21/07	OP20671	SU110

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49337-1, F49337-2, F49337-3, F49337-4, F49337-5, F49337-6

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	830	330	ug/kg	
95-57-8	2-Chlorophenol	ND	170	33	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	33	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	33	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	830	330	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	330	67	ug/kg	
95-48-7	2-Methylphenol	ND	170	33	ug/kg	
	3&4-Methylphenol	ND	170	33	ug/kg	
88-75-5	2-Nitrophenol	ND	170	33	ug/kg	
100-02-7	4-Nitrophenol	ND	830	330	ug/kg	
87-86-5	Pentachlorophenol	ND	830	330	ug/kg	
108-95-2	Phenol	ND	170	33	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	33	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	33	ug/kg	
83-32-9	Acenaphthene	ND	170	33	ug/kg	
208-96-8	Acenaphthylene	ND	170	33	ug/kg	
120-12-7	Anthracene	ND	170	33	ug/kg	
92-87-5	Benzidine	ND	1700	830	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	33	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	33	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	33	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	67	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	33	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	33	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	330	83	ug/kg	
100-51-6	Benzyl Alcohol	ND	170	33	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	33	ug/kg	
106-47-8	4-Chloroaniline	ND	330	130	ug/kg	
218-01-9	Chrysene	ND	170	33	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	33	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	67	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	170	33	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	33	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	33	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	170	33	ug/kg	

Method Blank Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20671-MB	U002174.D	1	05/22/07	NJ	05/21/07	OP20671	SU110

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49337-1, F49337-2, F49337-3, F49337-4, F49337-5, F49337-6

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	170	33	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	67	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	67	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	330	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	67	ug/kg	
132-64-9	Dibenzofuran	ND	170	33	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	330	83	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	330	170	ug/kg	
84-66-2	Diethyl phthalate	ND	330	83	ug/kg	
131-11-3	Dimethyl phthalate	ND	330	83	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	170	ug/kg	
206-44-0	Fluoranthene	ND	170	33	ug/kg	
86-73-7	Fluorene	ND	170	33	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	33	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	67	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	67	ug/kg	
67-72-1	Hexachloroethane	ND	170	67	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	67	ug/kg	
78-59-1	Isophorone	ND	170	33	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	33	ug/kg	
88-74-4	2-Nitroaniline	ND	330	83	ug/kg	
99-09-2	3-Nitroaniline	ND	330	83	ug/kg	
100-01-6	4-Nitroaniline	ND	330	120	ug/kg	
91-20-3	Naphthalene	ND	170	33	ug/kg	
98-95-3	Nitrobenzene	ND	170	33	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	67	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	33	ug/kg	
85-01-8	Phenanthrene	ND	170	33	ug/kg	
129-00-0	Pyrene	ND	170	67	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	33	ug/kg	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	71%	40-102%
4165-62-2	Phenol-d5	75%	41-100%

Method Blank Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20671-MB	U002174.D	1	05/22/07	NJ	05/21/07	OP20671	SU110

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49337-1, F49337-2, F49337-3, F49337-4, F49337-5, F49337-6

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	74%	42-108%
4165-60-0	Nitrobenzene-d5	69%	40-105%
321-60-8	2-Fluorobiphenyl	69%	43-107%
1718-51-0	Terphenyl-d14	79%	45-119%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
4161	2-Pentanone, 4-hydroxy-	3.48	200	ug/kg	JN
123	2-Pentanone, 4-hydroxy-4-methyl-	3.70	11000	ug/kg	JN
	Total TIC, Semi-Volatile		11200	ug/kg	J

Method Blank Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20671-MB	U002202.D	1	05/23/07	NJ	05/21/07	OP20671	SU111

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49337-1, F49337-2, F49337-3, F49337-4, F49337-5, F49337-6

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	830	330	ug/kg	
95-57-8	2-Chlorophenol	ND	170	33	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	33	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	33	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	830	330	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	330	67	ug/kg	
95-48-7	2-Methylphenol	ND	170	33	ug/kg	
	3&4-Methylphenol	ND	170	33	ug/kg	
88-75-5	2-Nitrophenol	ND	170	33	ug/kg	
100-02-7	4-Nitrophenol	ND	830	330	ug/kg	
87-86-5	Pentachlorophenol	ND	830	330	ug/kg	
108-95-2	Phenol	ND	170	33	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	33	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	33	ug/kg	
83-32-9	Acenaphthene	ND	170	33	ug/kg	
208-96-8	Acenaphthylene	ND	170	33	ug/kg	
120-12-7	Anthracene	ND	170	33	ug/kg	
92-87-5	Benzidine	ND	1700	830	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	33	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	33	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	33	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	67	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	33	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	33	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	330	83	ug/kg	
100-51-6	Benzyl Alcohol	ND	170	33	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	33	ug/kg	
106-47-8	4-Chloroaniline	ND	330	130	ug/kg	
218-01-9	Chrysene	ND	170	33	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	33	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	67	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	170	33	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	33	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	33	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	170	33	ug/kg	

Method Blank Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20671-MB	U002202.D	1	05/23/07	NJ	05/21/07	OP20671	SU111

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49337-1, F49337-2, F49337-3, F49337-4, F49337-5, F49337-6

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	170	33	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	67	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	67	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	330	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	67	ug/kg	
132-64-9	Dibenzofuran	ND	170	33	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	330	83	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	330	170	ug/kg	
84-66-2	Diethyl phthalate	ND	330	83	ug/kg	
131-11-3	Dimethyl phthalate	ND	330	83	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	170	ug/kg	
206-44-0	Fluoranthene	ND	170	33	ug/kg	
86-73-7	Fluorene	ND	170	33	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	33	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	67	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	67	ug/kg	
67-72-1	Hexachloroethane	ND	170	67	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	67	ug/kg	
78-59-1	Isophorone	ND	170	33	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	33	ug/kg	
88-74-4	2-Nitroaniline	ND	330	83	ug/kg	
99-09-2	3-Nitroaniline	ND	330	83	ug/kg	
100-01-6	4-Nitroaniline	ND	330	120	ug/kg	
91-20-3	Naphthalene	ND	170	33	ug/kg	
98-95-3	Nitrobenzene	ND	170	33	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	67	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	33	ug/kg	
85-01-8	Phenanthrene	ND	170	33	ug/kg	
129-00-0	Pyrene	ND	170	67	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	33	ug/kg	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	71%	40-102%
4165-62-2	Phenol-d5	75%	41-100%

Method Blank Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20671-MB	U002202.D	1	05/23/07	NJ	05/21/07	OP20671	SU111

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49337-1, F49337-2, F49337-3, F49337-4, F49337-5, F49337-6

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	68%	42-108%
4165-60-0	Nitrobenzene-d5	69%	40-105%
321-60-8	2-Fluorobiphenyl	69%	43-107%
1718-51-0	Terphenyl-d14	76%	45-119%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
4161	2-Pentanone, 4-hydroxy-	3.46	190	ug/kg	JN
123	2-Pentanone, 4-hydroxy-4-methyl-	3.67	12000	ug/kg	JN
	Total TIC, Semi-Volatile		12190	ug/kg	J

Blank Spike Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20671-BS	U002173.D	1	05/22/07	NJ	05/21/07	OP20671	SU110

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49337-1, F49337-2, F49337-3, F49337-4, F49337-5, F49337-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
65-85-0	Benzoic acid	3330	2290	69	44-116
95-57-8	2-Chlorophenol	1670	1060	64	54-97
59-50-7	4-Chloro-3-methyl phenol	1670	1150	69	59-102
120-83-2	2,4-Dichlorophenol	1670	1160	70	60-101
105-67-9	2,4-Dimethylphenol	1670	1040	62	49-89
51-28-5	2,4-Dinitrophenol	3330	2090	63	39-107
534-52-1	4,6-Dinitro-o-cresol	3330	2290	69	58-109
95-48-7	2-Methylphenol	1670	1030	62	53-94
	3&4-Methylphenol	3330	2080	62	54-95
88-75-5	2-Nitrophenol	1670	1090	65	55-96
100-02-7	4-Nitrophenol	3330	2300	69	56-106
87-86-5	Pentachlorophenol	3330	2260	68	50-115
108-95-2	Phenol	1670	1080	65	55-99
95-95-4	2,4,5-Trichlorophenol	1670	1140	68	60-101
88-06-2	2,4,6-Trichlorophenol	1670	1130	68	60-100
83-32-9	Acenaphthene	1670	1120	67	59-97
208-96-8	Acenaphthylene	1670	1120	67	58-98
120-12-7	Anthracene	1670	1150	69	61-104
56-55-3	Benzo(a)anthracene	1670	1130	68	60-106
50-32-8	Benzo(a)pyrene	1670	1120	67	59-102
205-99-2	Benzo(b)fluoranthene	1670	1120	67	60-107
191-24-2	Benzo(g,h,i)perylene	1670	1120	67	56-103
207-08-9	Benzo(k)fluoranthene	1670	1150	69	61-107
101-55-3	4-Bromophenyl phenyl ether	1670	1140	68	60-104
85-68-7	Butyl benzyl phthalate	1670	1100	66	57-110
100-51-6	Benzyl Alcohol	1670	1030	62	51-102
91-58-7	2-Chloronaphthalene	1670	1090	65	57-95
106-47-8	4-Chloroaniline	1670	611	37	19-85
218-01-9	Chrysene	1670	1130	68	60-107
111-91-1	bis(2-Chloroethoxy)methane	1670	973	58	51-89
111-44-4	bis(2-Chloroethyl)ether	1670	976	59	50-96
108-60-1	bis(2-Chloroisopropyl)ether	1670	836	50	44-94
7005-72-3	4-Chlorophenyl phenyl ether	1670	1100	66	60-101
95-50-1	1,2-Dichlorobenzene	1670	981	59	47-91
541-73-1	1,3-Dichlorobenzene	1670	945	57	45-86
106-46-7	1,4-Dichlorobenzene	1670	945	57	45-88

Blank Spike Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20671-BS	U002173.D	1	05/22/07	NJ	05/21/07	OP20671	SU110

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49337-1, F49337-2, F49337-3, F49337-4, F49337-5, F49337-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
121-14-2	2,4-Dinitrotoluene	1670	1110	67	59-103
606-20-2	2,6-Dinitrotoluene	1670	1040	62	57-99
91-94-1	3,3'-Dichlorobenzidine	1670	743	45	34-88
53-70-3	Dibenzo(a,h)anthracene	1670	1090	65	57-105
132-64-9	Dibenzofuran	1670	1110	67	58-103
84-74-2	Di-n-butyl phthalate	1670	1130	68	59-105
117-84-0	Di-n-octyl phthalate	1670	1060	64	59-117
84-66-2	Diethyl phthalate	1670	1130	68	59-106
131-11-3	Dimethyl phthalate	1670	1100	66	60-100
117-81-7	bis(2-Ethylhexyl)phthalate	1670	1060	64	57-111
206-44-0	Fluoranthene	1670	1150	69	60-110
86-73-7	Fluorene	1670	1140	68	60-99
118-74-1	Hexachlorobenzene	1670	1130	68	58-103
87-68-3	Hexachlorobutadiene	1670	1110	67	49-95
77-47-4	Hexachlorocyclopentadiene	1670	1060	64	36-94
67-72-1	Hexachloroethane	1670	951	57	44-89
193-39-5	Indeno(1,2,3-cd)pyrene	1670	1070	64	57-104
78-59-1	Isophorone	1670	1070	64	58-97
91-57-6	2-Methylnaphthalene	1670	1110	67	57-103
88-74-4	2-Nitroaniline	1670	1130	68	53-106
99-09-2	3-Nitroaniline	1670	683	41	29-85
100-01-6	4-Nitroaniline	1670	1050	63	49-104
91-20-3	Naphthalene	1670	1060	64	54-93
98-95-3	Nitrobenzene	1670	1030	62	53-92
621-64-7	N-Nitroso-di-n-propylamine	1670	971	58	49-94
86-30-6	N-Nitrosodiphenylamine	1670	1120	67	53-107
85-01-8	Phenanthrene	1670	1170	70	61-103
129-00-0	Pyrene	1670	1170	70	58-109
120-82-1	1,2,4-Trichlorobenzene	1670	1060	64	52-93

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	65%	40-102%
4165-62-2	Phenol-d5	69%	41-100%
118-79-6	2,4,6-Tribromophenol	70%	42-108%

Blank Spike Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20671-BS	U002173.D	1	05/22/07	NJ	05/21/07	OP20671	SU110

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49337-1, F49337-2, F49337-3, F49337-4, F49337-5, F49337-6

CAS No.	Surrogate Recoveries	BSP	Limits
4165-60-0	Nitrobenzene-d5	64%	40-105%
321-60-8	2-Fluorobiphenyl	63%	43-107%
1718-51-0	Terphenyl-d14	67%	45-119%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20671-MS	U002179.D	1	05/22/07	NJ	05/21/07	OP20671	SU110
OP20671-MSD	U002180.D	1	05/22/07	NJ	05/21/07	OP20671	SU110
F49337-4	U002178.D	1	05/22/07	NJ	05/21/07	OP20671	SU110

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49337-1, F49337-2, F49337-3, F49337-4, F49337-5, F49337-6

CAS No.	Compound	F49337-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic acid	ND		3300	1220	37*	1580	48	26	44-116/36
95-57-8	2-Chlorophenol	ND		1650	815	49*	1010	61	21	54-97/31
59-50-7	4-Chloro-3-methyl phenol	ND		1650	896	54*	1220	74	31*	59-102/27
120-83-2	2,4-Dichlorophenol	ND		1650	879	53*	1140	69	26	60-101/30
105-67-9	2,4-Dimethylphenol	ND		1650	799	48*	1010	61	23	49-89/31
51-28-5	2,4-Dinitrophenol	ND		3300	850	26*	1040	32*	20	39-107/40
534-52-1	4,6-Dinitro-o-cresol	ND		3300	1430	43*	1770	54*	21	58-109/37
95-48-7	2-Methylphenol	ND		1650	808	49*	1010	61	22	53-94/29
	3&4-Methylphenol	ND		3300	1640	50*	2080	63	24	54-95/31
88-75-5	2-Nitrophenol	ND		1650	832	50*	1050	64	23	55-96/30
100-02-7	4-Nitrophenol	ND		3300	1720	52*	2520	77	38*	56-106/29
87-86-5	Pentachlorophenol	ND		3300	1570	48*	2300	70	38*	50-115/33
108-95-2	Phenol	ND		1650	837	51*	1050	64	23	55-99/28
95-95-4	2,4,5-Trichlorophenol	ND		1650	858	52*	1200	73	33*	60-101/28
88-06-2	2,4,6-Trichlorophenol	ND		1650	876	53*	1200	73	31*	60-100/27
83-32-9	Acenaphthene	ND		1650	875	53*	1150	70	27	59-97/29
208-96-8	Acenaphthylene	ND		1650	878	53*	1150	70	27	58-98/30
120-12-7	Anthracene	ND		1650	917	56*	1280	78	33*	61-104/29
92-87-5	Benzidine	ND		1650	ND	0*	ND	0*	nc	10-151/50
56-55-3	Benzo(a)anthracene	ND		1650	884	54*	1260	77	35*	60-106/31
50-32-8	Benzo(a)pyrene	ND		1650	879	53*	1280	78	37*	59-102/32
205-99-2	Benzo(b)fluoranthene	ND		1650	862	52*	1280	78	39*	60-107/31
191-24-2	Benzo(g,h,i)perylene	ND		1650	846	51*	1240	75	38*	56-103/32
207-08-9	Benzo(k)fluoranthene	ND		1650	931	56*	1310	80	34*	61-107/30
101-55-3	4-Bromophenyl phenyl ether	ND		1650	898	54*	1240	75	32*	60-104/26
85-68-7	Butyl benzyl phthalate	ND		1650	857	52*	1230	75	36*	57-110/28
100-51-6	Benzyl Alcohol	ND		1650	840	51	1080	66	25	51-102/34
91-58-7	2-Chloronaphthalene	ND		1650	832	50*	1050	64	23	57-95/28
106-47-8	4-Chloroaniline	ND		1650	754	46	1000	61	28	19-85/34
218-01-9	Chrysene	ND		1650	882	53*	1280	78	37*	60-107/31
111-91-1	bis(2-Chloroethoxy)methane	ND		1650	735	45*	919	56	22	51-89/30
111-44-4	bis(2-Chloroethyl)ether	ND		1650	717	43*	894	54	22	50-96/33
108-60-1	bis(2-Chloroisopropyl)ether	ND		1650	608	37*	744	45	20	44-94/32
7005-72-3	4-Chlorophenyl phenyl ether	ND		1650	873	53*	1190	72	31*	60-101/26
95-50-1	1,2-Dichlorobenzene	ND		1650	677	41*	785	48	15	47-91/35
541-73-1	1,3-Dichlorobenzene	ND		1650	628	38*	710	43*	12	45-86/36

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20671-MS	U002179.D	1	05/22/07	NJ	05/21/07	OP20671	SU110
OP20671-MSD	U002180.D	1	05/22/07	NJ	05/21/07	OP20671	SU110
F49337-4	U002178.D	1	05/22/07	NJ	05/21/07	OP20671	SU110

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49337-1, F49337-2, F49337-3, F49337-4, F49337-5, F49337-6

CAS No.	Compound	F49337-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
106-46-7	1,4-Dichlorobenzene	ND		1650	640	39*	728	44*	13	45-88/36
121-14-2	2,4-Dinitrotoluene	ND		1650	881	53*	1250	76	35*	59-103/30
606-20-2	2,6-Dinitrotoluene	ND		1650	804	49*	1140	69	35*	57-99/30
91-94-1	3,3'-Dichlorobenzidine	ND		1650	776	47	1160	70	40*	34-88/31
53-70-3	Dibenzo(a,h)anthracene	ND		1650	818	50*	1220	74	39*	57-105/29
132-64-9	Dibenzofuran	ND		1650	889	54*	1200	73	30*	58-103/27
84-74-2	Di-n-butyl phthalate	ND		1650	911	55*	1290	78	34*	59-105/27
117-84-0	Di-n-octyl phthalate	ND		1650	834	51*	1220	74	38*	59-117/28
84-66-2	Diethyl phthalate	ND		1650	898	54*	1270	77	34*	59-106/27
131-11-3	Dimethyl phthalate	ND		1650	877	53*	1220	74	33*	60-100/26
117-81-7	bis(2-Ethylhexyl)phthalate	ND		1650	845	51*	1190	72	34*	57-111/29
206-44-0	Fluoranthene	ND		1650	903	55*	1300	79	36*	60-110/32
86-73-7	Fluorene	ND		1650	895	54*	1220	74	31*	60-99/30
118-74-1	Hexachlorobenzene	ND		1650	893	54*	1250	76	33*	58-103/27
87-68-3	Hexachlorobutadiene	ND		1650	767	46*	904	55	16	49-95/33
77-47-4	Hexachlorocyclopentadiene	ND		1650	644	39	826	50	25	36-94/41
67-72-1	Hexachloroethane	ND		1650	611	37*	698	42*	13	44-89/38
193-39-5	Indeno(1,2,3-cd)pyrene	ND		1650	822	50*	1250	76	41*	57-104/33
78-59-1	Isophorone	ND		1650	820	50*	1040	63	24	58-97/30
91-57-6	2-Methylnaphthalene	ND		1650	869	53*	1080	66	22	57-103/32
88-74-4	2-Nitroaniline	ND		1650	881	53	1260	77	35*	53-106/29
99-09-2	3-Nitroaniline	ND		1650	758	46	1130	69	39*	29-85/31
100-01-6	4-Nitroaniline	ND		1650	859	52	1250	76	37*	49-104/31
91-20-3	Naphthalene	ND		1650	774	47*	939	57	19	54-93/32
98-95-3	Nitrobenzene	ND		1650	767	46*	937	57	20	53-92/32
621-64-7	N-Nitroso-di-n-propylamine	ND		1650	752	46*	951	58	23	49-94/28
86-30-6	N-Nitrosodiphenylamine	ND		1650	894	54	1250	76	33*	53-107/28
85-01-8	Phenanthrene	ND		1650	904	55*	1260	77	33*	61-103/32
129-00-0	Pyrene	ND		1650	925	56*	1290	78	33	58-109/33
120-82-1	1,2,4-Trichlorobenzene	ND		1650	754	46*	906	55	18	52-93/32

CAS No.	Surrogate Recoveries	MS	MSD	F49337-4	Limits
367-12-4	2-Fluorophenol	52%	67%	51%	40-102%
4165-62-2	Phenol-d5	55%	70%	53%	41-100%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20671-MS	U002179.D	1	05/22/07	NJ	05/21/07	OP20671	SU110
OP20671-MSD	U002180.D	1	05/22/07	NJ	05/21/07	OP20671	SU110
F49337-4	U002178.D	1	05/22/07	NJ	05/21/07	OP20671	SU110

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49337-1, F49337-2, F49337-3, F49337-4, F49337-5, F49337-6

CAS No.	Surrogate Recoveries	MS	MSD	F49337-4	Limits
118-79-6	2,4,6-Tribromophenol	55%	79%	59%	42-108%
4165-60-0	Nitrobenzene-d5	50%	63%	50%	40-105%
321-60-8	2-Fluorobiphenyl	51%	66%	50%	43-107%
1718-51-0	Terphenyl-d14	54%	77%	64%	45-119%

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3187-MB	CD076892.D	1	05/10/07	MM	n/a	n/a	GCD3187

The QC reported here applies to the following samples: **Method:** SW846 8015

F49337-4, F49337-5, F49337-6, F49337-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	85%	56-136%
98-08-8	aaa-Trifluorotoluene	78%	61-121%

Method Blank Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3189-MB	CD076939.D	1	05/11/07	MM	n/a	n/a	GCD3189

The QC reported here applies to the following samples: **Method:** SW846 8015

F49337-1, F49337-2, F49337-3

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	73%	56-136%
98-08-8	aaa-Trifluorotoluene	69%	61-121%

Blank Spike Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3187-BS	CD076891.D	1	05/10/07	MM	n/a	n/a	GCD3187

The QC reported here applies to the following samples: **Method:** SW846 8015

F49337-4, F49337-5, F49337-6, F49337-7

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	17.2	86	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	107%	56-136%
98-08-8	aaa-Trifluorotoluene	102%	61-121%

Blank Spike Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3189-BS	CD076938.D	1	05/11/07	MM	n/a	n/a	GCD3189

The QC reported here applies to the following samples: **Method:** SW846 8015

F49337-1, F49337-2, F49337-3

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	17.0	85	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	90%	56-136%
98-08-8	aaa-Trifluorotoluene	80%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49337-6MS	CD076903.D	1	05/11/07	MM	n/a	n/a	GCD3187
F49337-6MSD	CD076904.D	1	05/11/07	MM	n/a	n/a	GCD3187
F49337-6	CD076898.D	1	05/11/07	MM	n/a	n/a	GCD3187

The QC reported here applies to the following samples: **Method:** SW846 8015

F49337-4, F49337-5, F49337-6, F49337-7

CAS No.	Compound	F49337-6 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		21.9	20.2	92	20.8	95	3	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F49337-6	Limits
460-00-4	4-Bromofluorobenzene	134% [a]	134% [a]	129% [a]	56-136%
460-00-4	4-Bromofluorobenzene	183%* [b]	188%* [b]	177%* [b]	56-136%
98-08-8	aaa-Trifluorotoluene	98%	89%	77%	61-121%

(a) Result reported from PID.
(b) Outside control limits due to matrix interference.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49367-6MS	CD076951.D	1	05/12/07	MM	n/a	n/a	GCD3189
F49367-6MSD	CD076952.D	1	05/12/07	MM	n/a	n/a	GCD3189
F49367-6 [a]	CD076950.D	1	05/12/07	MM	n/a	n/a	GCD3189

The QC reported here applies to the following samples: **Method:** SW846 8015

F49337-1, F49337-2, F49337-3

CAS No.	Compound	F49367-6 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		27.7	21.0	76	20.7	75	1	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F49367-6	Limits
460-00-4	4-Bromofluorobenzene	81%	87%	78%	56-136%
98-08-8	aaa-Trifluorotoluene	83%	80%	70%	61-121%

(a) Confirmation run.

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20658-MB	YY02460.D	1	05/22/07	MG	05/21/07	OP20658	GYY96

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F49337-1, F49337-2, F49337-3, F49337-4, F49337-5, F49337-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	73%	49-108%

Blank Spike Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20658-BS	YY02459.D	1	05/22/07	MG	05/21/07	OP20658	GYY96

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F49337-1, F49337-2, F49337-3, F49337-4, F49337-5, F49337-6

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	24.7	74	64-102
	TPH (> C22-C36)	33.3	27.7	83	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	73%	49-108%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49337
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20658-MS	YY02475.D	1	05/22/07	MG	05/21/07	OP20658	GYY96
OP20658-MSD	YY02476.D	1	05/22/07	MG	05/21/07	OP20658	GYY96
F49392-6	YY02474.D	1	05/22/07	MG	05/21/07	OP20658	GYY96

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F49337-1, F49337-2, F49337-3, F49337-4, F49337-5, F49337-6

CAS No.	Compound	F49392-6 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		38.2	26.2	69	24.3	63*	8	64-102/32
	TPH (> C22-C36)	ND		38.2	30.4	80	28.7	74	6	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F49392-6	Limits
84-15-1	o-Terphenyl	71%	65%	73%	49-108%

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F49337
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11961
Matrix Type: SOLID

Methods: SW846 7471A
Units: mg/kg

Prep Date: 05/12/07

Metal	RL	IDL	MB raw	final
Mercury	0.083	.0067	-0.014	<0.083

Associated samples MP11961: F49337-1, F49337-2, F49337-3, F49337-4, F49337-5, F49337-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F49337
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11961 Methods: SW846 7471A
Matrix Type: SOLID Units: mg/kg

Prep Date: 05/12/07 05/12/07

Metal	F49337-1 Original	DUP	RPD	QC Limits	F49337-1 Original	MS	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.0089	0.0087	2.3	0-20	0.0089	0.29	0.266	105.5	80-120

Associated samples MP11961: F49337-1, F49337-2, F49337-3, F49337-4, F49337-5, F49337-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F49337
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11961 Methods: SW846 7471A
Matrix Type: SOLID Units: mg/kg

Prep Date: 05/12/07

Metal	F49337-1 Original	MSD	Spikelot HGFLWS1	% Rec	MSD RPD	QC Limit
Mercury	0.0089	0.28	0.263	103.2	3.5	20

Associated samples MP11961: F49337-1, F49337-2, F49337-3, F49337-4, F49337-5, F49337-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F49337
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11961
Matrix Type: SOLID

Methods: SW846 7471A
Units: mg/kg

Prep Date: 05/12/07

Metal	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.24	0.25	96.0	80-120

Associated samples MP11961: F49337-1, F49337-2, F49337-3, F49337-4, F49337-5, F49337-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: F49337
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11961 Methods: SW846 7471A
Matrix Type: SOLID Units: ug/l

Prep Date: 05/12/07

Metal	F49337-1 Original	SDL 1:5	RPD	QC Limits
Mercury	0.0900	0.00	100.0(a)	0-10

Associated samples MP11961: F49337-1, F49337-2, F49337-3, F49337-4, F49337-5, F49337-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F49337
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12007
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 05/17/07

Metal	RL	IDL	MB raw	final
Aluminum	9.8	.88		
Antimony	2.9	.17		
Arsenic	0.39	.14	-0.015	<0.39
Barium	9.8	.25	0.015	<9.8
Beryllium	0.25	.049		
Cadmium	0.20	.049	0.00049	<0.20
Calcium	250	2.1		
Chromium	0.49	.029	0.0059	<0.49
Cobalt	2.5	.049		
Copper	1.2	.044		
Iron	4.9	.59		
Lead	4.9	.083	0.097	<4.9
Magnesium	250	.21		
Manganese	0.74	.029		
Molybdenum	2.5	.064		
Nickel	2.0	.049		
Potassium	490	.49		
Selenium	4.9	.098	0.062	<4.9
Silver	0.49	.044	0.015	<0.49
Sodium	490	25		
Thallium	0.49	.11		
Tin	2.5	.15		
Vanadium	2.5	.029		
Zinc	0.98	.064		

Associated samples MP12007: F49337-1, F49337-2, F49337-3, F49337-4, F49337-5, F49337-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F49337
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12007
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date:			05/17/07					05/17/07	
Metal	F49337-1 Original	DUP	RPD	QC Limits	F49337-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic	0.95	0.67	34.6 (a)	0-20	0.95	116	123	93.9	80-120
Barium	57.4	55.9	2.6	0-20	57.4	176	123	96.8	80-120
Beryllium									
Cadmium	0.22	0.20	9.5	0-20	0.22	2.9	3.06	87.5	80-120
Calcium									
Chromium	6.6	7.1	7.3	0-20	6.6	17.4	12.3	88.1	80-120
Cobalt									
Copper									
Iron									
Lead	20.7	21.9	5.6	0-20	20.7	47.2	30.6	86.5	80-120
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	0.0	0.0 (b)	NC	0-20	0.0	107	123	87.3	80-120
Silver	0.0	0.0	NC	0-20	0.0	2.9	3.06	94.7	80-120
Sodium									
Thallium									
Tin									
Vanadium									
Zinc									

Associated samples MP12007: F49337-1, F49337-2, F49337-3, F49337-4, F49337-5, F49337-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) RPD acceptable due to low duplicate and sample concentrations.
(b) Elevated reporting limit(s) due to matrix interference.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F49337
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12007 Methods: SW846 6010B
Matrix Type: SOLID Units: mg/kg

Prep Date: 05/17/07

Metal	F49337-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	0.95	116	121	94.8	0.0	20
Barium	57.4	167	121	90.3	5.2	20
Beryllium						
Cadmium	0.22	3.0	3.03	91.6	3.4	20
Calcium						
Chromium	6.6	17.4	12.1	89.0	0.0	20
Cobalt						
Copper						
Iron						
Lead	20.7	46.5	30.3	85.1	1.5	20
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium	0.0	105	121	86.5	1.9	20
Silver	0.0	2.9	3.03	95.6	0.0	20
Sodium						
Thallium						
Tin						
Vanadium						
Zinc						

Associated samples MP12007: F49337-1, F49337-2, F49337-3, F49337-4, F49337-5, F49337-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F49337
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12007
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 05/17/07

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	92.5	100	92.5	80-120
Barium	102	100	102.0	80-120
Beryllium				
Cadmium	2.5	2.5	100.0	80-120
Calcium				
Chromium	9.9	10	99.0	80-120
Cobalt				
Copper				
Iron				
Lead	24.4	25	97.6	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	89.4	100	89.4	80-120
Silver	2.3	2.5	92.0	80-120
Sodium				
Thallium				
Tin				
Vanadium				
Zinc				

Associated samples MP12007: F49337-1, F49337-2, F49337-3, F49337-4, F49337-5, F49337-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: F49337
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12007
Matrix Type: SOLID

Methods: SW846 6010B
Units: ug/l

Prep Date: 05/17/07

Metal	F49337-1 Original	SDL 1:5	RPD	QC Limits
Aluminum				
Antimony				
Arsenic	15.8	0.00	100.0(a)	0-10
Barium	955	1020	6.4	0-10
Beryllium				
Cadmium	3.73	0.00	100.0(a)	0-10
Calcium				
Chromium	109	127	16.0*(b)	0-10
Cobalt				
Copper				
Iron				
Lead	345	402	16.4*(b)	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	0.00	0.00	NC	0-10
Silver	0.00	0.00	NC	0-10
Sodium				
Thallium				
Tin				
Vanadium				
Zinc				

Associated samples MP12007: F49337-1, F49337-2, F49337-3, F49337-4, F49337-5, F49337-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
(b) Serial dilution indicates possible matrix interference.

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

10/29/08

Technical Report for

Bhate Environmental Associates, Inc.

HOLMN

9050361.01.02

Accutest Job Number: F49350

Sampling Date: 05/07/07

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **105**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Sections: 1 2 3 4 5 6 7 8 9 10

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F49350-1: SS61-MW02 7
3.2: F49350-2: SS61-MW12 17
3.3: F49350-3: SS61-MW03 27
3.4: F49350-4: SS61-TB 37
Section 4: Misc. Forms **40**
4.1: Chain of Custody 41
Section 5: GC/MS Volatiles - QC Data Summaries **43**
5.1: Method Blank Summary 44
5.2: Blank Spike Summary 51
5.3: Matrix Spike/Matrix Spike Duplicate Summary 58
Section 6: GC/MS Semi-volatiles - QC Data Summaries **65**
6.1: Method Blank Summary 66
6.2: Blank Spike Summary 72
6.3: Matrix Spike/Matrix Spike Duplicate Summary 78
Section 7: GC Volatiles - QC Data Summaries **81**
7.1: Method Blank Summary 82
7.2: Blank Spike Summary 84
7.3: Matrix Spike/Matrix Spike Duplicate Summary 86
Section 8: GC Semi-volatiles - QC Data Summaries **88**
8.1: Method Blank Summary 89
8.2: Blank Spike Summary 90
8.3: Matrix Spike/Matrix Spike Duplicate Summary 91
Section 9: Metals Analysis - QC Data Summaries **92**
9.1: Prep QC MP11949: Hg 93
9.2: Prep QC MP11996: As,Ba,Cd,Cr,Pb,Se,Ag 98
Section 10: General Chemistry - QC Data Summaries **103**
10.1: Method Blank and Spike Results Summary 104
10.2: Duplicate Results Summary 105

Sample Summary

Bhate Environmental Associates, Inc.

Job No: F49350

HOLMN
Project No: 9050361.01.02

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F49350-1	05/07/07	13:10	BW	05/08/07	AQ	Ground Water	SS61-MW02
F49350-2	05/07/07	13:30	BW	05/08/07	AQ	Ground Water	SS61-MW12
F49350-3	05/07/07	15:10	BW	05/08/07	AQ	Ground Water	SS61-MW03
F49350-4	05/07/07	00:00	BW	05/08/07	SO	Trip Blank Soil	SS61-TB

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Bhate Environmental Associates, Inc. **Job No:** F49350

Site: HOLMN **Report Date** 5/25/2007 3:10:13 PM

3 Samples, 1 Trip Blank were collected on 05/07/2007 and received at Accutest on 05/08/2007 properly preserved, at 2.8 Deg. C and intact. These Samples received an Accutest job number of F49350. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VJ2126

All samples were analyzed within the recommended method holding time.

Sample(s) F49347-1MS, F49347-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

MS and/or MSD Recovery(s) for 2-Chloroethyl vinyl ether, Acetonitrile, Pentachloroethane, Trichlorofluoromethane are outside control limits. Probable cause due to matrix interference. See Blank Spike for method performance in clean matrix.

Matrix: AQ **Batch ID:** VJ2127

All method blanks for this batch meet method specific criteria.

Matrix: SO **Batch ID:** VF364

All samples were analyzed within the recommended method holding time.

Sample(s) F49392-1MS, F49392-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for 1,2,4-Trichlorobenzene, Hexachlorobutadiene are outside control limits. Biased high, not detected in the samples, method performance not adversely affected.

MS and/or MSD Recovery(s) for Acetone, Acetonitrile, Propionitrile, Tetrachloroethylene are outside control limits. Probable cause due to matrix interference. See Blank Spike.

Extractables by GCMS By Method SW846 8270C

Matrix: AQ **Batch ID:** OP20540

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49350-1MS, F49350-1MSD were used as the QC samples indicated.

Matrix Spike Recovery(s) for 2,4-Dimethylphenol, 3,3'-Dichlorobenzidine, 3-Nitroaniline, 4-Chloroaniline, 4-Nitroaniline, 4-Nitrophenol, Benzidine, Benzoic Acid are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 2,4-Dimethylphenol, 2-Nitroaniline, 3,3'-Dichlorobenzidine, 3-Nitroaniline, 4-Chloroaniline, 4-Nitroaniline, Benzidine are outside control limits. Probable cause due to matrix interference. See Blank Spike.

RPD(s) for MSD for 2-Nitroaniline, 4-Nitroaniline are outside control limits for sample OP20540-MSD. Probable cause due to sample homogeneity.

Sample(s) OP20540-MS, OP20540-MSD have surrogates outside control limits. Probable cause due to matrix interference.

Volatiles by GC By Method SW846 8015

Matrix: AQ **Batch ID:** GHH1152

All samples were analyzed within the recommended method holding time.

Sample(s) F49350-2MS, F49350-2MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Matrix Spike Recovery(s) for TPH-GRO (C6-C10) are outside control limits. Probable cause due to matrix interference.

Sample(s) F49350-3 have surrogates outside control limits. Probable cause due to matrix interference.

F49350-3: Confirmation run.

F49350-3 for aaa-Trifluorotoluene: Outside control limits due to matrix interference.

F49350-3 for aaa-Trifluorotoluene: Result reported from PID.

Matrix: AQ **Batch ID:** GHH1154

All method blanks for this batch meet method specific criteria.

Sample(s) F49499-1MS, F49499-1MSD were used as the QC samples indicated.

The following samples were run outside of holding time for method SW846 8015: F49350-3 Sample re-analyzed beyond hold time; reported results are considered minimum values.

Sample(s) F49350-3 have surrogates outside control limits. Probable cause due to matrix interference.

F49350-3: Sample re-analyzed beyond hold time; reported results are considered minimum values.

Extractables by GC By Method SW846 8015 M

Matrix: AQ **Batch ID:** OP20545

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F49350-3MS, F49350-3MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Metals By Method SW846 6010B

Matrix: AQ **Batch ID:** MP11996

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49368-1DUP, F49368-1MS, F49368-1MSD, F49368-1SDL were used as the QC samples for metals.

RPD(s) for Duplicate for Chromium, Lead are outside control limits for sample MP11996-D1. RPD acceptable due to low duplicate and sample concentrations.

RPD(s) for Serial Dilution for Chromium, Lead are outside control limits for sample MP11996-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

F49350-3 for Selenium: Elevated reporting limit(s) due to matrix interference.

F49350-1 for Selenium: Elevated reporting limit(s) due to matrix interference.

F49350-2 for Selenium: Elevated reporting limit(s) due to matrix interference.

Metals By Method SW846 7470A

Matrix: AQ **Batch ID:** MP11949

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49383-2DUP, F49383-2MS, F49383-2MSD, F49383-2SDL were used as the QC samples for metals.

Wet Chemistry By Method EPA 160.1

Matrix: AQ **Batch ID:** GN25347

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49343-7DUP were used as the QC samples for Solids, Total Dissolved.

F49350-1 for Solids, Total Dissolved: Confirmed by reanalysis.

F49350-2 for Solids, Total Dissolved: Confirmed by reanalysis.

F49350-3 for Solids, Total Dissolved: Confirmed by reanalysis.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

Date: May 25, 2007

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-MW02		
Lab Sample ID:	F49350-1	**Date Sampled:**	05/07/07
Matrix:	AQ - Ground Water	**Date Received:**	05/08/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J029812.D	1	05/18/07	SH	n/a	n/a	VJ2126
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
75-05-8	Acetonitrile	ND	20	10	ug/l	
107-02-8	Acrolein	ND	20	10	ug/l	
107-13-1	Acrylonitrile	ND	10	5.0	ug/l	
107-05-1	Allyl chloride	ND	10	5.0	ug/l	
71-43-2	Benzene	0.79	1.0	0.50	ug/l	J
100-44-7	Benzyl Chloride	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	0.56	1.0	0.50	ug/l	J
544-10-5	1-Chlorohexane	ND	2.0	1.0	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW02		
Lab Sample ID:	F49350-1	**Date Sampled:**	05/07/07
Matrix:	AQ - Ground Water	**Date Received:**	05/08/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	1.7	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	2.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
110-54-3	Hexane	ND	2.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
126-98-7	Methacrylonitrile	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
74-88-4	Methyl iodide	ND	5.0	2.5	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	2.5	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	5.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW02		
Lab Sample ID:	F49350-1	**Date Sampled:**	05/07/07
Matrix:	AQ - Ground Water	**Date Received:**	05/08/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	11.4	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	10	5.0	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		87-116%
17060-07-0	1,2-Dichloroethane-D4	92%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	104%		84-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW02		
Lab Sample ID:	F49350-1	**Date Sampled:**	05/07/07
Matrix:	AQ - Ground Water	**Date Received:**	05/08/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R07904.D	1	05/16/07	NJ	05/14/07	OP20540	SR376
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.6	ug/l	
95-57-8	2-Chlorophenol	ND	4.8	1.9	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.8	1.9	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.6	4.8	ug/l	
95-48-7	2-Methylphenol	ND	4.8	1.9	ug/l	
	3&4-Methylphenol	ND	4.8	1.9	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.6	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.6	ug/l	
108-95-2	Phenol	ND	4.8	1.9	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.8	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.96	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.96	ug/l	
120-12-7	Anthracene	ND	4.8	0.96	ug/l	
92-87-5	Benzidine	ND	24	14	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.96	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.96	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.96	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.96	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
100-51-6	Benzyl Alcohol	ND	4.8	0.96	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.96	ug/l	
106-47-8	4-Chloroaniline	ND	9.6	3.8	ug/l	
218-01-9	Chrysene	ND	4.8	0.96	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.8	0.96	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.8	1.9	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW02		
Lab Sample ID:	F49350-1	**Date Sampled:**	05/07/07
Matrix:	AQ - Ground Water	**Date Received:**	05/08/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.8	0.96	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.8	0.96	ug/l	
95-50-1	1,2-Dichlorobenzene	1.4	4.8	0.96	ug/l	J
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.96	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.96	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.6	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.96	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.8	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.8	2.4	ug/l	
84-66-2	Diethyl phthalate	ND	4.8	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.8	1.9	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.8	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	0.96	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.96	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.96	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.96	ug/l	
88-74-4	2-Nitroaniline	ND	9.6	3.8	ug/l	
99-09-2	3-Nitroaniline	ND	9.6	3.8	ug/l	
100-01-6	4-Nitroaniline	ND	9.6	3.8	ug/l	
91-20-3	Naphthalene	ND	4.8	0.96	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.96	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.96	ug/l	
129-00-0	Pyrene	ND	4.8	0.96	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	0.96	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	37%		14-62%
4165-62-2	Phenol-d5	27%		10-40%
118-79-6	2,4,6-Tribromophenol	75%		33-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW02		
Lab Sample ID:	F49350-1	**Date Sampled:**	05/07/07
Matrix:	AQ - Ground Water	**Date Received:**	05/08/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	65%		42-108%
321-60-8	2-Fluorobiphenyl	65%		40-106%
1718-51-0	Terphenyl-d14	74%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW02		
Lab Sample ID:	F49350-1	**Date Sampled:**	05/07/07
Matrix:	AQ - Ground Water	**Date Received:**	05/08/07
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH026220.D	1	05/18/07	TD	n/a	n/a	GHH1152
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	84%		57-129%
98-08-8	aaa-Trifluorotoluene	91%		58-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW02		
Lab Sample ID:	F49350-1	**Date Sampled:**	05/07/07
Matrix:	AQ - Ground Water	**Date Received:**	05/08/07
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02384.D	1	05/17/07	MG	05/14/07	OP20545	GYY93
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.24	0.096	mg/l	
	TPH (> C22-C36)	ND	0.24	0.096	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	76%		42-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW02		
Lab Sample ID:	F49350-1	**Date Sampled:**	05/07/07
Matrix:	AQ - Ground Water	**Date Received:**	05/08/07
		Percent Solids:	n/a
Project:	HOLMN		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	11.4	10	2.8	ug/l	1	05/16/07	05/16/07	RS	SW846 6010B [2]	SW846 3010A [4]
Barium	11.9 J	200	5.0	ug/l	1	05/16/07	05/16/07	RS	SW846 6010B [2]	SW846 3010A [4]
Cadmium	1.0 U	5.0	1.0	ug/l	1	05/16/07	05/16/07	RS	SW846 6010B [2]	SW846 3010A [4]
Chromium	0.60 U	10	0.60	ug/l	1	05/16/07	05/16/07	RS	SW846 6010B [2]	SW846 3010A [4]
Lead	1.7 U	5.0	1.7	ug/l	1	05/16/07	05/16/07	RS	SW846 6010B [2]	SW846 3010A [4]
Mercury	0.10 U	1.0	0.10	ug/l	1	05/11/07	05/11/07	MS	SW846 7470A [1]	SW846 7470A [3]
Selenium [a]	56 U	100	56	ug/l	1	05/16/07	05/16/07	RS	SW846 6010B [2]	SW846 3010A [4]
Silver	0.90 U	10	0.90	ug/l	1	05/16/07	05/16/07	RS	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA5704
(2) Instrument QC Batch: MA5719
(3) Prep QC Batch: MP11949
(4) Prep QC Batch: MP11996

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-MW02		
Lab Sample ID:	F49350-1	**Date Sampled:**	05/07/07
Matrix:	AQ - Ground Water	**Date Received:**	05/08/07
		Percent Solids:	n/a
Project:	HOLMN		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved [a]	13300	100	10	mg/l	1	05/09/07 15:45	LE	EPA 160.1

(a) Confirmed by reanalysis.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-MW12		
Lab Sample ID:	F49350-2	**Date Sampled:**	05/07/07
Matrix:	AQ - Ground Water	**Date Received:**	05/08/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J029813.D	1	05/18/07	SH	n/a	n/a	VJ2126
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
75-05-8	Acetonitrile	ND	20	10	ug/l	
107-02-8	Acrolein	ND	20	10	ug/l	
107-13-1	Acrylonitrile	ND	10	5.0	ug/l	
107-05-1	Allyl chloride	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
100-44-7	Benzyl Chloride	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	1.0	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW12		
Lab Sample ID:	F49350-2	**Date Sampled:**	05/07/07
Matrix:	AQ - Ground Water	**Date Received:**	05/08/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	2.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
110-54-3	Hexane	ND	2.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
126-98-7	Methacrylonitrile	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
74-88-4	Methyl iodide	ND	5.0	2.5	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	2.5	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	5.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW12		
Lab Sample ID:	F49350-2	**Date Sampled:**	05/07/07
Matrix:	AQ - Ground Water	**Date Received:**	05/08/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	10	5.0	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		87-116%
17060-07-0	1,2-Dichloroethane-D4	90%		76-127%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	102%		84-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW12		
Lab Sample ID:	F49350-2	**Date Sampled:**	05/07/07
Matrix:	AQ - Ground Water	**Date Received:**	05/08/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R07907.D	1	05/17/07	NJ	05/14/07	OP20540	SR376
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	2.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	2.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	5.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	2.0	ug/l	
	3&4-Methylphenol	ND	5.0	2.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	2.0	ug/l	
100-02-7	4-Nitrophenol	ND	25	10	ug/l	
87-86-5	Pentachlorophenol	ND	25	10	ug/l	
108-95-2	Phenol	ND	5.0	2.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.0	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
92-87-5	Benzidine	ND	25	15	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	4.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	2.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW12		
Lab Sample ID:	F49350-2	**Date Sampled:**	05/07/07
Matrix:	AQ - Ground Water	**Date Received:**	05/08/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	1.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	1.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	2.5	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	2.5	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	2.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
88-74-4	2-Nitroaniline	ND	10	4.0	ug/l	
99-09-2	3-Nitroaniline	ND	10	4.0	ug/l	
100-01-6	4-Nitroaniline	ND	10	4.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	40%		14-62%
4165-62-2	Phenol-d5	27%		10-40%
118-79-6	2,4,6-Tribromophenol	76%		33-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW12		
Lab Sample ID:	F49350-2	**Date Sampled:**	05/07/07
Matrix:	AQ - Ground Water	**Date Received:**	05/08/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	68%		42-108%
321-60-8	2-Fluorobiphenyl	67%		40-106%
1718-51-0	Terphenyl-d14	71%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW12		
Lab Sample ID:	F49350-2	**Date Sampled:**	05/07/07
Matrix:	AQ - Ground Water	**Date Received:**	05/08/07
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH026221.D	1	05/18/07	TD	n/a	n/a	GHH1152
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	80%		57-129%
98-08-8	aaa-Trifluorotoluene	80%		58-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW12		
Lab Sample ID:	F49350-2	**Date Sampled:**	05/07/07
Matrix:	AQ - Ground Water	**Date Received:**	05/08/07
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02385.D	1	05/17/07	MG	05/14/07	OP20545	GYY93
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.25	0.10	mg/l	
	TPH (> C22-C36)	ND	0.25	0.10	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	74%		42-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW12		
Lab Sample ID:	F49350-2	**Date Sampled:**	05/07/07
Matrix:	AQ - Ground Water	**Date Received:**	05/08/07
		Percent Solids:	n/a
Project:	HOLMN		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	11.5	10	2.8	ug/l	1	05/16/07	05/16/07	RS	SW846 6010B [2]	SW846 3010A [4]
Barium	17.4 J	200	5.0	ug/l	1	05/16/07	05/16/07	RS	SW846 6010B [2]	SW846 3010A [4]
Cadmium	1.0 U	5.0	1.0	ug/l	1	05/16/07	05/16/07	RS	SW846 6010B [2]	SW846 3010A [4]
Chromium	0.60 U	10	0.60	ug/l	1	05/16/07	05/16/07	RS	SW846 6010B [2]	SW846 3010A [4]
Lead	1.7 U	5.0	1.7	ug/l	1	05/16/07	05/16/07	RS	SW846 6010B [2]	SW846 3010A [4]
Mercury	0.10 U	1.0	0.10	ug/l	1	05/11/07	05/11/07	MS	SW846 7470A [1]	SW846 7470A [3]
Selenium [a]	70 U	100	70	ug/l	1	05/16/07	05/16/07	RS	SW846 6010B [2]	SW846 3010A [4]
Silver	0.90 U	10	0.90	ug/l	1	05/16/07	05/16/07	RS	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA5704
(2) Instrument QC Batch: MA5719
(3) Prep QC Batch: MP11949
(4) Prep QC Batch: MP11996

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-MW12		
Lab Sample ID:	F49350-2	**Date Sampled:**	05/07/07
Matrix:	AQ - Ground Water	**Date Received:**	05/08/07
		Percent Solids:	n/a
Project:	HOLMN		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved [a]	3070	100	10	mg/l	1	05/09/07 15:45	LE	EPA 160.1

(a) Confirmed by reanalysis.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-MW03		
Lab Sample ID:	F49350-3	**Date Sampled:**	05/07/07
Matrix:	AQ - Ground Water	**Date Received:**	05/08/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J029814.D	1	05/18/07	SH	n/a	n/a	VJ2126
Run #2	J029836.D	50	05/21/07	SH	n/a	n/a	VJ2127

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
75-05-8	Acetonitrile	ND	20	10	ug/l	
107-02-8	Acrolein	ND	20	10	ug/l	
107-13-1	Acrylonitrile	ND	10	5.0	ug/l	
107-05-1	Allyl chloride	ND	10	5.0	ug/l	
71-43-2	Benzene	1580 [a]	50	25	ug/l	
100-44-7	Benzyl Chloride	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	1.0	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	1.7	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	64.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW03		
Lab Sample ID:	F49350-3	**Date Sampled:**	05/07/07
Matrix:	AQ - Ground Water	**Date Received:**	05/08/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	9.3	1.0	0.50	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	2.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
110-54-3	Hexane	13.2	2.0	1.0	ug/l	
98-82-8	Isopropylbenzene	90.7	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
126-98-7	Methacrylonitrile	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
74-88-4	Methyl iodide	ND	5.0	2.5	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	2.5	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	1.6	5.0	1.0	ug/l	J
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	5.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	2.8	1.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW03		
Lab Sample ID:	F49350-3	**Date Sampled:**	05/07/07
Matrix:	AQ - Ground Water	**Date Received:**	05/08/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	2.5	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	1.4	2.0	1.0	ug/l	J
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	4.6	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	10	5.0	ug/l	
	m,p-Xylene	17.7	2.0	0.50	ug/l	
95-47-6	o-Xylene	9.2	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	87%	95%	87-116%
17060-07-0	1,2-Dichloroethane-D4	100%	92%	76-127%
2037-26-5	Toluene-D8	97%	97%	86-112%
460-00-4	4-Bromofluorobenzene	102%	106%	84-120%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW03		
Lab Sample ID:	F49350-3	**Date Sampled:**	05/07/07
Matrix:	AQ - Ground Water	**Date Received:**	05/08/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R07908.D	1	05/17/07	NJ	05/14/07	OP20540	SR376
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.5	ug/l	
95-57-8	2-Chlorophenol	ND	4.8	1.9	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.8	1.9	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.5	4.8	ug/l	
95-48-7	2-Methylphenol	ND	4.8	1.9	ug/l	
	3&4-Methylphenol	ND	4.8	1.9	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.5	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.5	ug/l	
108-95-2	Phenol	ND	4.8	1.9	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.8	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.95	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
92-87-5	Benzidine	ND	24	14	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.95	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
100-51-6	Benzyl Alcohol	ND	4.8	0.95	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.95	ug/l	
106-47-8	4-Chloroaniline	ND	9.5	3.8	ug/l	
218-01-9	Chrysene	ND	4.8	0.95	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.8	0.95	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.8	1.9	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW03		
Lab Sample ID:	F49350-3	**Date Sampled:**	05/07/07
Matrix:	AQ - Ground Water	**Date Received:**	05/08/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.8	0.95	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.8	0.95	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.95	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.95	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.95	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.5	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.95	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.8	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.8	2.4	ug/l	
84-66-2	Diethyl phthalate	ND	4.8	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.8	1.9	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.8	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	0.95	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.95	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.95	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.95	ug/l	
88-74-4	2-Nitroaniline	ND	9.5	3.8	ug/l	
99-09-2	3-Nitroaniline	ND	9.5	3.8	ug/l	
100-01-6	4-Nitroaniline	ND	9.5	3.8	ug/l	
91-20-3	Naphthalene	ND	4.8	0.95	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.95	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.95	ug/l	
129-00-0	Pyrene	ND	4.8	0.95	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	40%		14-62%
4165-62-2	Phenol-d5	33%		10-40%
118-79-6	2,4,6-Tribromophenol	79%		33-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW03		
Lab Sample ID:	F49350-3	**Date Sampled:**	05/07/07
Matrix:	AQ - Ground Water	**Date Received:**	05/08/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	69%		42-108%
321-60-8	2-Fluorobiphenyl	69%		40-106%
1718-51-0	Terphenyl-d14	58%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW03		
Lab Sample ID:	F49350-3	**Date Sampled:**	05/07/07
Matrix:	AQ - Ground Water	**Date Received:**	05/08/07
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	HH026270.D	50	05/22/07	TD	n/a	n/a	GHH1154
Run #2 [b]	HH026222.D	1	05/18/07	TD	n/a	n/a	GHH1152

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	6.90	5.0	2.5	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	100%	97%	57-129%
98-08-8	aaa-Trifluorotoluene		116% [c]	58-120%
98-08-8	aaa-Trifluorotoluene	99%	0% [d]	58-120%

(a) Sample re-analyzed beyond hold time; reported results are considered minimum values.
(b) Confirmation run.
(c) Result reported from PID.
(d) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW03		
Lab Sample ID:	F49350-3	**Date Sampled:**	05/07/07
Matrix:	AQ - Ground Water	**Date Received:**	05/08/07
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02386.D	1	05/17/07	MG	05/14/07	OP20545	GYY93
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.24	0.096	mg/l	
	TPH (> C22-C36)	ND	0.24	0.096	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	77%		42-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW03		
Lab Sample ID:	F49350-3	**Date Sampled:**	05/07/07
Matrix:	AQ - Ground Water	**Date Received:**	05/08/07
		Percent Solids:	n/a
Project:	HOLMN		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	19.2	10	2.8	ug/l	1	05/16/07	05/16/07	RS	SW846 6010B [2]	SW846 3010A [4]
Barium	21.5 J	200	5.0	ug/l	1	05/16/07	05/16/07	RS	SW846 6010B [2]	SW846 3010A [4]
Cadmium	1.0 U	5.0	1.0	ug/l	1	05/16/07	05/16/07	RS	SW846 6010B [2]	SW846 3010A [4]
Chromium	0.60 U	10	0.60	ug/l	1	05/16/07	05/16/07	RS	SW846 6010B [2]	SW846 3010A [4]
Lead	1.7 U	5.0	1.7	ug/l	1	05/16/07	05/16/07	RS	SW846 6010B [2]	SW846 3010A [4]
Mercury	0.10 U	1.0	0.10	ug/l	1	05/11/07	05/11/07	MS	SW846 7470A [1]	SW846 7470A [3]
Selenium [a]	70 U	70	70	ug/l	1	05/16/07	05/16/07	RS	SW846 6010B [2]	SW846 3010A [4]
Silver	0.90 U	10	0.90	ug/l	1	05/16/07	05/16/07	RS	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA5704
(2) Instrument QC Batch: MA5719
(3) Prep QC Batch: MP11949
(4) Prep QC Batch: MP11996

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-MW03		
Lab Sample ID:	F49350-3	**Date Sampled:**	05/07/07
Matrix:	AQ - Ground Water	**Date Received:**	05/08/07
		Percent Solids:	n/a
Project:	HOLMN		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved [a]	26800	100	10	mg/l	1	05/09/07 15:45	LE	EPA 160.1

(a) Confirmed by reanalysis.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-TB		
Lab Sample ID:	F49350-4	**Date Sampled:**	05/07/07
Matrix:	SO - Trip Blank Soil	**Date Received:**	05/08/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F021324.D	1	05/18/07	WJ	n/a	n/a	VF364
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	35	ug/kg	
107-02-8	Acrolein	ND	25	15	ug/kg	
107-13-1	Acrylonitrile	ND	25	13	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	2.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	3.0	ug/kg	
108-86-1	Bromobenzene	ND	5.0	2.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	2.0	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	2.0	ug/kg	
75-25-2	Bromoform	ND	5.0	2.0	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	3.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	2.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	2.0	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	2.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	3.0	ug/kg	
67-66-3	Chloroform	ND	5.0	2.0	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	2.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	2.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	2.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	13	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	2.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	2.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	2.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	2.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	3.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	2.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	2.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	2.0	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	2.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TB		
Lab Sample ID:	F49350-4	**Date Sampled:**	05/07/07
Matrix:	SO - Trip Blank Soil	**Date Received:**	05/08/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	2.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	3.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	2.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	2.0	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	2.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	2.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	2.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	2.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	2.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	2.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.0	ug/kg	
591-78-6	2-Hexanone	ND	25	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/kg	
110-54-3	Hexane	ND	5.0	3.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	2.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	2.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	10	ug/kg	
126-98-7	Methacrylonitrile	ND	25	10	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.0	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.0	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	2.0	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	2.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	10	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	2.0	ug/kg	
100-42-5	Styrene	ND	5.0	2.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	2.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	2.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	2.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TB		
Lab Sample ID:	F49350-4	**Date Sampled:**	05/07/07
Matrix:	SO - Trip Blank Soil	**Date Received:**	05/08/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	3.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	2.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	2.0	ug/kg	
108-88-3	Toluene	ND	5.0	2.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	2.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	10	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	10	ug/kg	
	m,p-Xylene	ND	10	3.0	ug/kg	
95-47-6	o-Xylene	ND	5.0	2.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-121%
2037-26-5	Toluene-D8	99%		71-130%
460-00-4	4-Bromofluorobenzene	103%		59-148%
17060-07-0	1,2-Dichloroethane-D4	105%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

F49350

Page: 1 of 1

Chain of Custody and Analytical Request

Project No: 9050381.01.02

COC Number(1): 25-07-1007 - 01

LIMS Number:

Facility/Base I.D.:	Holloman Air Force Base
Project/Site Name:	SS-61 Voluntary Corrective Measures
Client Name:	USACE
Collected by:	J. Moore/C. McGriff/R. Currance/B. Wolfe

Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code (2)	Sample Number (3)	Sample Matrix (4)	Number of containers	Sample Analysis Requested (5): VOC, 8260B	SVOC, 8270C	RCRA + Metals, 6010B/7470A	DRO/GRO, 8015M	GRO, 8015M	TDS	Quality Assurance Samples (6): Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
SS61- MW02		07-May-2007	1310		N		WG	12	1	1	1	1	1	1				1
SS61- MW12		07-May-2007	1340		N		WG	12	1	1	1	1	1	1				2
SS61- MW03		07-May-2007	1510		N		WG	12	1	1	1	1	1	1				3
SS61- TB		07-May-2007			TB		TB	12	1	/	/	/	/	/				
SS61-								12										
SS61-								12										
SS61-								12										
SS61-								12										
SS61-								12										
SS61-								12										
SS61-								12										

COMMENTS:

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1.	[signature]	5/7/07	1600	Released to Fedex		
2.	[signature]			[signature]		
3.						

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab:		Shipped No.:	
Method of Shipment:	FedEx	Airbill Number:	
Analytical Lab:	Accutest	Delivery Location:	Orlando, FL
Lab Recipient:		Delivery Date/Time:	

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-t) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-e) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (e.g. equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 101099011 in the Equipment Blank Lot Control)

2.8 1.6
2.2

F49350: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F49350 CLIENT: BWATE PROJECT: HAFB

DATE/TIME RECEIVED: 050607 - 0900 # OF COOLERS RECEIVED: 3 COOLER TEMPS: 2.8,2.2,1.6

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8610 5635 4612

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [X] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [X] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 0

NUMBER OF 5035 FIELD KITS ? 3

NUMBER OR LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS: No labels Present on SS61 MW12 @ 1330 (ID's written Directly on Bottle) Received 3 Soil trip Blanks

TECHNICIAN SIGNATURE/DATE [signature] TECHNICIAN SIGNATURE/DATE [signature] 5-8-07

ASBD 10/03/06

4.1 4

F49350: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2126-MB	J029793.D	1	05/18/07	SH	n/a	n/a	VJ2126

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49350-1, F49350-2, F49350-3

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
75-05-8	Acetonitrile	ND	20	10	ug/l	
107-02-8	Acrolein	ND	20	10	ug/l	
107-13-1	Acrylonitrile	ND	10	5.0	ug/l	
107-05-1	Allyl chloride	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
100-44-7	Benzyl Chloride	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	1.0	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	

Method Blank Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2126-MB	J029793.D	1	05/18/07	SH	n/a	n/a	VJ2126

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49350-1, F49350-2, F49350-3

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	2.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
110-54-3	Hexane	ND	2.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
126-98-7	Methacrylonitrile	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
74-88-4	Methyl iodide	ND	5.0	2.5	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	2.5	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	5.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.53	1.0	0.50	ug/l	J
96-18-4	1,2,3-Trichloropropane	ND	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

Method Blank Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2126-MB	J029793.D	1	05/18/07	SH	n/a	n/a	VJ2126

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49350-1, F49350-2, F49350-3

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	10	5.0	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	102%	76-127%
2037-26-5	Toluene-D8	97%	86-112%
460-00-4	4-Bromofluorobenzene	108%	84-120%

Method Blank Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF364-MB	F021319.D	1	05/18/07	WJ	n/a	n/a	VF364

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49350-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	35	ug/kg	
107-02-8	Acrolein	ND	25	15	ug/kg	
107-13-1	Acrylonitrile	ND	25	13	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	2.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	3.0	ug/kg	
108-86-1	Bromobenzene	ND	5.0	2.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	2.0	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	2.0	ug/kg	
75-25-2	Bromoform	ND	5.0	2.0	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	3.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	2.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	2.0	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	2.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	3.0	ug/kg	
67-66-3	Chloroform	ND	5.0	2.0	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	2.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	2.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	2.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	13	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	2.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	2.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	2.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	2.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	3.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	2.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	2.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	2.0	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	2.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	2.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	3.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	2.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF364-MB	F021319.D	1	05/18/07	WJ	n/a	n/a	VF364

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49350-4

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	2.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	2.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	2.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	2.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	2.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	2.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.0	ug/kg	
591-78-6	2-Hexanone	ND	25	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/kg	
110-54-3	Hexane	ND	5.0	3.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	2.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	2.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	10	ug/kg	
126-98-7	Methacrylonitrile	ND	25	10	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.0	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.0	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	2.0	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	2.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	10	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	2.0	ug/kg	
100-42-5	Styrene	ND	5.0	2.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	2.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	2.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	2.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF364-MB	F021319.D	1	05/18/07	WJ	n/a	n/a	VF364

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49350-4

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	3.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	2.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	2.0	ug/kg	
108-88-3	Toluene	ND	5.0	2.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	2.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	10	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	10	ug/kg	
	m,p-Xylene	ND	10	3.0	ug/kg	
95-47-6	o-Xylene	ND	5.0	2.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	80-121%
2037-26-5	Toluene-D8	96%	71-130%
460-00-4	4-Bromofluorobenzene	101%	59-148%
17060-07-0	1,2-Dichloroethane-D4	89%	77-123%

Method Blank Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2127-MB	J029822.D	1	05/21/07	SH	n/a	n/a	VJ2127

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49350-3

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	103%	76-127%
2037-26-5	Toluene-D8	96%	86-112%
460-00-4	4-Bromofluorobenzene	109%	84-120%

Blank Spike Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2126-BS	J029792.D	1	05/18/07	SH	n/a	n/a	VJ2126

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49350-1, F49350-2, F49350-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	106	85	59-134
75-05-8	Acetonitrile	250	261	104	57-123
107-02-8	Acrolein	125	60.6	48	33-157
107-13-1	Acrylonitrile	125	102	82	62-124
107-05-1	Allyl chloride	25	26.0	104	48-136
71-43-2	Benzene	25	28.4	114	83-124
100-44-7	Benzyl Chloride	25	25.3	101	61-118
108-86-1	Bromobenzene	25	25.5	102	83-115
74-97-5	Bromochloromethane	25	23.7	95	78-112
75-27-4	Bromodichloromethane	25	26.3	105	76-116
75-25-2	Bromoform	25	23.3	93	68-128
104-51-8	n-Butylbenzene	25	29.3	117	84-124
135-98-8	sec-Butylbenzene	25	28.8	115	86-127
98-06-6	tert-Butylbenzene	25	29.0	116	83-126
108-90-7	Chlorobenzene	25	26.3	105	87-115
75-00-3	Chloroethane	25	32.4	130	54-166
67-66-3	Chloroform	25	28.2	113	85-123
544-10-5	1-Chlorohexane	25	30.8	123	87-128
95-49-8	o-Chlorotoluene	25	28.3	113	84-121
106-43-4	p-Chlorotoluene	25	28.3	113	84-120
110-75-8	2-Chloroethyl vinyl ether	125	106	85	63-125
75-15-0	Carbon disulfide	25	28.5	114	67-147
56-23-5	Carbon tetrachloride	25	26.9	108	74-139
75-34-3	1,1-Dichloroethane	25	28.1	112	82-127
75-35-4	1,1-Dichloroethylene	25	29.8	119	75-133
563-58-6	1,1-Dichloropropene	25	29.5	118	87-127
96-12-8	1,2-Dibromo-3-chloropropane	25	22.5	90	61-118
106-93-4	1,2-Dibromoethane	25	25.1	100	80-115
107-06-2	1,2-Dichloroethane	25	25.4	102	76-122
78-87-5	1,2-Dichloropropane	25	27.5	110	81-120
142-28-9	1,3-Dichloropropane	25	26.3	105	81-113
594-20-7	2,2-Dichloropropane	25	28.6	114	77-138
124-48-1	Dibromochloromethane	25	24.2	97	74-116
75-71-8	Dichlorodifluoromethane	25	27.0	108	34-158
156-59-2	cis-1,2-Dichloroethylene	25	26.3	105	81-114
10061-01-5	cis-1,3-Dichloropropene	25	27.7	111	83-119

Blank Spike Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2126-BS	J029792.D	1	05/18/07	SH	n/a	n/a	VJ2126

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49350-1, F49350-2, F49350-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	25	18.6	74	41-130
541-73-1	m-Dichlorobenzene	25	25.8	103	86-115
95-50-1	o-Dichlorobenzene	25	25.4	102	85-115
106-46-7	p-Dichlorobenzene	25	25.8	103	87-113
156-60-5	trans-1,2-Dichloroethylene	25	28.1	112	82-126
10061-02-6	trans-1,3-Dichloropropene	25	28.9	116	87-123
100-41-4	Ethylbenzene	25	26.9	108	87-118
97-63-2	Ethyl methacrylate	25	24.9	100	68-110
76-13-1	Freon 113	25	30.1	120	74-139
591-78-6	2-Hexanone	125	120	96	58-125
87-68-3	Hexachlorobutadiene	25	23.5	94	71-133
110-54-3	Hexane	25	27.6	110	71-134
98-82-8	Isopropylbenzene	25	28.3	113	87-131
99-87-6	p-Isopropyltoluene	25	27.6	110	83-125
108-10-1	4-Methyl-2-pentanone	125	126	101	62-125
126-98-7	Methacrylonitrile	250	252	101	62-133
74-83-9	Methyl bromide	25	27.1	108	55-151
74-87-3	Methyl chloride	25	28.5	114	55-173
74-88-4	Methyl iodide	25	26.0	104	72-125
80-62-6	Methyl methacrylate	25	22.0	88	63-115
74-95-3	Methylene bromide	25	26.0	104	81-116
75-09-2	Methylene chloride	25	26.7	107	69-125
78-93-3	Methyl ethyl ketone	125	109	87	61-127
1634-04-4	Methyl Tert Butyl Ether	25	24.0	96	75-116
91-20-3	Naphthalene	25	21.1	84	59-125
76-01-7	Pentachloroethane	25	23.6	94	82-111
107-12-0	Propionitrile	250	250	100	69-119
103-65-1	n-Propylbenzene	25	29.2	117	86-125
100-42-5	Styrene	25	25.9	104	78-118
630-20-6	1,1,1,2-Tetrachloroethane	25	25.9	104	81-119
71-55-6	1,1,1-Trichloroethane	25	28.6	114	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	27.2	109	71-120
79-00-5	1,1,2-Trichloroethane	25	26.7	107	80-114
87-61-6	1,2,3-Trichlorobenzene	25	20.6	82	64-126
96-18-4	1,2,3-Trichloropropane	25	24.7	99	77-115
120-82-1	1,2,4-Trichlorobenzene	25	22.6	90	68-123

Blank Spike Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2126-BS	J029792.D	1	05/18/07	SH	n/a	n/a	VJ2126

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49350-1, F49350-2, F49350-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	25	26.9	108	82-120
108-67-8	1,3,5-Trimethylbenzene	25	27.4	110	83-123
127-18-4	Tetrachloroethylene	25	25.7	103	80-131
108-88-3	Toluene	25	27.0	108	86-116
79-01-6	Trichloroethylene	25	27.4	110	85-124
75-69-4	Trichlorofluoromethane	25	36.4	146	66-156
110-57-6	Trans-1,4-Dichloro-2-Butene	25	21.4	86	51-137
75-01-4	Vinyl chloride	25	28.7	115	57-153
108-05-4	Vinyl Acetate	125	114	91	38-159
	m,p-Xylene	50	55.1	110	86-121
95-47-6	o-Xylene	25	27.3	109	83-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	100%	76-127%
2037-26-5	Toluene-D8	100%	86-112%
460-00-4	4-Bromofluorobenzene	106%	84-120%

Blank Spike Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF364-BS	F021318.D	1	05/18/07	WJ	n/a	n/a	VF364

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49350-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	258	103	61-144
75-05-8	Acetonitrile	500	402	80	59-139
107-02-8	Acrolein	250	124	50	27-156
107-13-1	Acrylonitrile	250	219	88	55-144
107-05-1	Allyl chloride	50	43.9	88	41-152
71-43-2	Benzene	50	53.0	106	78-130
100-44-7	Benzyl Chloride	50	57.6	115	74-130
108-86-1	Bromobenzene	50	54.6	109	78-123
74-97-5	Bromochloromethane	50	52.7	105	72-122
75-27-4	Bromodichloromethane	50	46.8	94	73-122
75-25-2	Bromoform	50	55.6	111	70-139
104-51-8	n-Butylbenzene	50	55.6	111	80-138
135-98-8	sec-Butylbenzene	50	54.5	109	82-132
98-06-6	tert-Butylbenzene	50	49.6	99	79-130
108-90-7	Chlorobenzene	50	56.5	113	83-122
75-00-3	Chloroethane	50	42.8	86	61-153
67-66-3	Chloroform	50	51.3	103	79-129
544-10-5	1-Chlorohexane	50	61.7	123	85-137
95-49-8	o-Chlorotoluene	50	50.5	101	77-123
106-43-4	p-Chlorotoluene	50	50.8	102	78-129
110-75-8	2-Chloroethyl vinyl ether	250	197	79	52-142
75-15-0	Carbon disulfide	50	55.5	111	61-142
56-23-5	Carbon tetrachloride	50	54.9	110	79-135
75-34-3	1,1-Dichloroethane	50	52.0	104	77-132
75-35-4	1,1-Dichloroethylene	50	50.5	101	66-132
563-58-6	1,1-Dichloropropene	50	55.4	111	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	43.1	86	67-129
106-93-4	1,2-Dibromoethane	50	51.8	104	77-126
107-06-2	1,2-Dichloroethane	50	46.0	92	78-129
78-87-5	1,2-Dichloropropane	50	50.6	101	74-127
142-28-9	1,3-Dichloropropane	50	48.6	97	78-118
594-20-7	2,2-Dichloropropane	50	54.4	109	80-137
124-48-1	Dibromochloromethane	50	52.2	104	78-117
75-71-8	Dichlorodifluoromethane	50	73.2	146	35-162
156-59-2	cis-1,2-Dichloroethylene	50	51.5	103	74-123
10061-01-5	cis-1,3-Dichloropropene	50	53.5	107	79-130

Blank Spike Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF364-BS	F021318.D	1	05/18/07	WJ	n/a	n/a	VF364

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49350-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	40.3	81	71-126
541-73-1	m-Dichlorobenzene	50	57.8	116	82-126
95-50-1	o-Dichlorobenzene	50	56.1	112	83-123
106-46-7	p-Dichlorobenzene	50	57.6	115	84-124
156-60-5	trans-1,2-Dichloroethylene	50	50.8	102	77-129
10061-02-6	trans-1,3-Dichloropropene	50	52.4	105	87-131
100-41-4	Ethylbenzene	50	53.0	106	82-124
97-63-2	Ethyl methacrylate	50	48.2	96	78-118
76-13-1	Freon 113	50	61.6	123	62-147
591-78-6	2-Hexanone	250	239	96	67-130
87-68-3	Hexachlorobutadiene	50	75.9	152*	77-150
110-54-3	Hexane	50	54.9	110	65-147
98-82-8	Isopropylbenzene	50	60.3	121	82-133
99-87-6	p-Isopropyltoluene	50	56.3	113	82-132
108-10-1	4-Methyl-2-pentanone	250	219	88	69-125
126-98-7	Methacrylonitrile	500	417	83	70-138
74-83-9	Methyl bromide	50	52.0	104	60-146
74-87-3	Methyl chloride	50	53.5	107	58-163
74-88-4	Methyl iodide	50	57.3	115	66-128
80-62-6	Methyl methacrylate	50	39.3	79	73-125
74-95-3	Methylene bromide	50	51.3	103	75-128
75-09-2	Methylene chloride	50	44.9	90	62-140
78-93-3	Methyl ethyl ketone	250	248	99	66-134
1634-04-4	Methyl Tert Butyl Ether	50	48.1	96	70-131
91-20-3	Naphthalene	50	55.1	110	59-143
76-01-7	Pentachloroethane	50	48.6	97	64-156
107-12-0	Propionitrile	500	462	92	73-133
103-65-1	n-Propylbenzene	50	51.3	103	78-129
100-42-5	Styrene	50	53.6	107	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	54.0	108	81-121
71-55-6	1,1,1-Trichloroethane	50	52.9	106	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	45.2	90	70-128
79-00-5	1,1,2-Trichloroethane	50	49.9	100	76-118
87-61-6	1,2,3-Trichlorobenzene	50	66.6	133	78-136
96-18-4	1,2,3-Trichloropropane	50	46.4	93	74-125
120-82-1	1,2,4-Trichlorobenzene	50	69.9	140*	82-137

Blank Spike Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF364-BS	F021318.D	1	05/18/07	WJ	n/a	n/a	VF364

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49350-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	49.5	99	77-129
108-67-8	1,3,5-Trimethylbenzene	50	51.8	104	79-129
127-18-4	Tetrachloroethylene	50	65.7	131	79-132
108-88-3	Toluene	50	55.0	110	80-123
79-01-6	Trichloroethylene	50	55.2	110	78-132
75-69-4	Trichlorofluoromethane	50	58.8	118	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	40.9	82	74-138
75-01-4	Vinyl chloride	50	50.5	101	60-145
108-05-4	Vinyl Acetate	250	239	96	25-164
	m,p-Xylene	100	108	108	82-128
95-47-6	o-Xylene	50	53.9	108	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	80-121%
2037-26-5	Toluene-D8	97%	71-130%
460-00-4	4-Bromofluorobenzene	102%	59-148%
17060-07-0	1,2-Dichloroethane-D4	86%	77-123%

Blank Spike Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2127-BS	J029821.D	1	05/21/07	SH	n/a	n/a	VJ2127

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49350-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	28.0	112	83-124

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	100%	76-127%
2037-26-5	Toluene-D8	97%	86-112%
460-00-4	4-Bromofluorobenzene	105%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49347-1MS	J029807.D	1	05/18/07	SH	n/a	n/a	VJ2126
F49347-1MSD	J029808.D	1	05/18/07	SH	n/a	n/a	VJ2126
F49347-1	J029799.D	1	05/18/07	SH	n/a	n/a	VJ2126

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49350-1, F49350-2, F49350-3

CAS No.	Compound	F49347-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	103	82	104	83	1	59-134/14
75-05-8	Acetonitrile	ND		250	317	127*	299	120	6	57-123/15
107-02-8	Acrolein	ND		125	62.5	50	62.1	50	1	33-157/21
107-13-1	Acrylonitrile	ND		125	112	90	117	94	4	62-124/13
107-05-1	Allyl chloride	ND		25	27.1	108	27.8	111	3	48-136/13
71-43-2	Benzene	ND		25	27.9	112	27.9	112	0	83-124/11
100-44-7	Benzyl Chloride	ND		25	24.1	96	23.6	94	2	61-118/12
108-86-1	Bromobenzene	ND		25	23.6	94	23.6	94	0	83-115/10
74-97-5	Bromochloromethane	ND		25	20.9	84	21.4	86	2	78-112/10
75-27-4	Bromodichloromethane	ND		25	22.1	88	22.6	90	2	76-116/10
75-25-2	Bromoform	ND		25	19.8	79	20.0	80	1	68-128/11
104-51-8	n-Butylbenzene	ND		25	27.3	109	27.5	110	1	84-124/10
135-98-8	sec-Butylbenzene	ND		25	26.0	104	26.2	105	1	86-127/10
98-06-6	tert-Butylbenzene	ND		25	24.6	98	25.4	102	3	83-126/10
108-90-7	Chlorobenzene	ND		25	25.4	102	25.4	102	0	87-115/9
75-00-3	Chloroethane	ND		25	39.0	156	39.2	157	1	54-166/20
67-66-3	Chloroform	ND		25	24.5	98	25.2	101	3	85-123/10
544-10-5	1-Chlorohexane	ND		25	25.7	103	26.0	104	1	87-128/10
95-49-8	o-Chlorotoluene	ND		25	25.7	103	26.4	106	3	84-121/10
106-43-4	p-Chlorotoluene	ND		25	24.5	98	24.8	99	1	84-120/10
110-75-8	2-Chloroethyl vinyl ether	ND		125	ND	0*	ND	0*	nc	63-125/24
75-15-0	Carbon disulfide	ND		25	30.6	122	30.2	121	1	67-147/12
56-23-5	Carbon tetrachloride	ND		25	22.5	90	23.0	92	2	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	27.3	109	27.7	111	1	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	32.7	131	32.8	131	0	75-133/13
563-58-6	1,1-Dichloropropene	ND		25	25.9	104	26.2	105	1	87-127/10
96-12-8	1,2-Dibromo-3-chloropropane	ND		25	19.9	80	20.3	81	2	61-118/15
106-93-4	1,2-Dibromoethane	ND		25	20.8	83	21.3	85	2	80-115/10
107-06-2	1,2-Dichloroethane	ND		25	23.9	96	24.2	97	1	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	27.2	109	27.2	109	0	81-120/11
142-28-9	1,3-Dichloropropane	ND		25	22.4	90	23.2	93	4	81-113/11
594-20-7	2,2-Dichloropropane	ND		25	22.7	91	23.4	94	3	77-138/12
124-48-1	Dibromochloromethane	ND		25	18.6	74	19.3	77	4	74-116/11
75-71-8	Dichlorodifluoromethane	ND		25	34.6	138	39.2	157	12	34-158/22
156-59-2	cis-1,2-Dichloroethylene	ND		25	22.5	90	23.0	92	2	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	24.5	98	24.8	99	1	83-119/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49347-1MS	J029807.D	1	05/18/07	SH	n/a	n/a	VJ2126
F49347-1MSD	J029808.D	1	05/18/07	SH	n/a	n/a	VJ2126
F49347-1	J029799.D	1	05/18/07	SH	n/a	n/a	VJ2126

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49350-1, F49350-2, F49350-3

CAS No.	Compound	F49347-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		25	20.2	81	20.2	81	0	41-130/33
541-73-1	m-Dichlorobenzene	ND		25	22.9	92	22.9	92	0	86-115/9
95-50-1	o-Dichlorobenzene	ND		25	23.1	92	22.8	91	1	85-115/9
106-46-7	p-Dichlorobenzene	ND		25	24.2	97	24.3	97	0	87-113/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	27.3	109	27.2	109	0	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	24.9	100	25.6	102	3	87-123/10
100-41-4	Ethylbenzene	ND		25	25.2	101	25.6	102	2	87-118/10
97-63-2	Ethyl methacrylate	ND		25	23.2	93	23.4	94	1	68-110/11
76-13-1	Freon 113	ND		25	33.2	133	33.1	132	0	74-139/13
591-78-6	2-Hexanone	ND		125	134	107	132	106	2	58-125/14
87-68-3	Hexachlorobutadiene	ND		25	18.7	75	18.3	73	2	71-133/12
110-54-3	Hexane	ND		25	28.1	112	27.9	112	1	71-134/11
98-82-8	Isopropylbenzene	ND		25	24.0	96	24.3	97	1	87-131/10
99-87-6	p-Isopropyltoluene	ND		25	24.0	96	24.1	96	0	83-125/9
108-10-1	4-Methyl-2-pentanone	ND		125	146	117	145	116	1	62-125/13
126-98-7	Methacrylonitrile	ND		250	318	127	310	124	3	62-133/17
74-83-9	Methyl bromide	ND		25	35.2	141	34.2	137	3	55-151/21
74-87-3	Methyl chloride	ND		25	36.5	146	37.4	150	2	55-173/22
74-88-4	Methyl iodide	ND		25	26.8	107	27.3	109	2	72-125/11
80-62-6	Methyl methacrylate	ND		25	25.5	102	25.4	102	0	63-115/10
74-95-3	Methylene bromide	ND		25	23.9	96	24.0	96	0	81-116/10
75-09-2	Methylene chloride	ND		25	28.3	113	27.7	111	2	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	121	97	120	96	1	61-127/13
1634-04-4	Methyl Tert Butyl Ether	ND		25	21.2	85	22.3	89	5	75-116/10
91-20-3	Naphthalene	ND		25	18.6	74	19.1	76	3	59-125/15
76-01-7	Pentachloroethane	ND		25	20.3	81*	20.3	81*	0	82-111/8
107-12-0	Propionitrile	ND		250	296	118	292	117	1	69-119/12
103-65-1	n-Propylbenzene	ND		25	28.3	113	28.6	114	1	86-125/10
100-42-5	Styrene	ND		25	22.6	90	22.6	90	0	78-118/11
630-20-6	1,1,1,2-Tetrachloroethane	ND		25	20.4	82	21.0	84	3	81-119/10
71-55-6	1,1,1-Trichloroethane	ND		25	22.2	89	23.1	92	4	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	26.8	107	27.0	108	1	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	24.7	99	24.5	98	1	80-114/11
87-61-6	1,2,3-Trichlorobenzene	ND		25	18.0	72	18.5	74	3	64-126/16
96-18-4	1,2,3-Trichloropropane	ND		25	21.9	88	22.4	90	2	77-115/12
120-82-1	1,2,4-Trichlorobenzene	ND		25	19.5	78	19.7	79	1	68-123/11

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49347-1MS	J029807.D	1	05/18/07	SH	n/a	n/a	VJ2126
F49347-1MSD	J029808.D	1	05/18/07	SH	n/a	n/a	VJ2126
F49347-1	J029799.D	1	05/18/07	SH	n/a	n/a	VJ2126

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49350-1, F49350-2, F49350-3

CAS No.	Compound	F49347-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		25	23.7	95	24.3	97	3	82-120/10
108-67-8	1,3,5-Trimethylbenzene	ND		25	25.2	101	25.4	102	1	83-123/10
127-18-4	Tetrachloroethylene	ND		25	21.3	85	21.5	86	1	80-131/12
108-88-3	Toluene	ND		25	23.1	92	23.6	94	2	86-116/10
79-01-6	Trichloroethylene	ND		25	26.4	106	26.0	104	2	85-124/10
75-69-4	Trichlorofluoromethane	ND		25	44.9	180*	44.8	179*	0	66-156/15
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		25	22.4	90	22.9	92	2	51-137/24
75-01-4	Vinyl chloride	ND		25	32.4	130	33.7	135	4	57-153/22
108-05-4	Vinyl Acetate	ND		125	120	96	119	95	1	38-159/11
	m,p-Xylene	ND		50	50.1	100	50.9	102	2	86-121/10
95-47-6	o-Xylene	ND		25	22.7	91	23.2	93	2	83-121/10

CAS No.	Surrogate Recoveries	MS	MSD	F49347-1	Limits
1868-53-7	Dibromofluoromethane	92%	94%	96%	87-116%
17060-07-0	1,2-Dichloroethane-D4	95%	98%	96%	76-127%
2037-26-5	Toluene-D8	94%	95%	100%	86-112%
460-00-4	4-Bromofluorobenzene	100%	103%	107%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49392-1MS	F021326.D	1	05/18/07	WJ	n/a	n/a	VF364
F49392-1MSD	F021327.D	1	05/18/07	WJ	n/a	n/a	VF364
F49392-1	F021325.D	1	05/18/07	WJ	n/a	n/a	VF364

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49350-4

CAS No.	Compound	F49392-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		363	225	62	200	55*	12	61-144/29
75-05-8	Acetonitrile	ND		726	405	56*	422	58*	4	59-139/30
107-02-8	Acrolein	ND		363	190	52	184	51	3	27-156/39
107-13-1	Acrylonitrile	ND		363	269	74	263	73	2	55-144/24
107-05-1	Allyl chloride	ND		72.6	62.9	87	60.5	84	4	41-152/24
71-43-2	Benzene	ND		72.6	72.9	100	71.1	98	3	78-130/25
100-44-7	Benzyl Chloride	ND		72.6	68.1	94	64.0	88	6	74-130/28
108-86-1	Bromobenzene	ND		72.6	74.7	103	70.9	98	5	78-123/30
74-97-5	Bromochloromethane	ND		72.6	66.2	91	67.2	93	1	72-122/23
75-27-4	Bromodichloromethane	ND		72.6	71.8	99	65.1	90	10	73-122/25
75-25-2	Bromoform	ND		72.6	81.6	112	75.2	104	8	70-139/26
104-51-8	n-Butylbenzene	ND		72.6	76.0	105	69.1	95	10	80-138/31
135-98-8	sec-Butylbenzene	ND		72.6	77.5	107	70.8	98	9	82-132/29
98-06-6	tert-Butylbenzene	ND		72.6	74.9	103	67.9	94	10	79-130/29
108-90-7	Chlorobenzene	ND		72.6	80.8	111	75.3	104	7	83-122/23
75-00-3	Chloroethane	ND		72.6	71.2	98	67.6	93	5	61-153/31
67-66-3	Chloroform	ND		72.6	75.7	104	71.0	98	6	79-129/27
544-10-5	1-Chlorohexane	ND		72.6	86.3	119	79.4	110	8	85-137/29
95-49-8	o-Chlorotoluene	ND		72.6	72.7	100	66.9	92	8	77-123/31
106-43-4	p-Chlorotoluene	ND		72.6	73.6	101	66.8	92	10	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		363	289	80	294	81	2	52-142/25
75-15-0	Carbon disulfide	ND		72.6	74.2	102	75.0	104	1	61-142/27
56-23-5	Carbon tetrachloride	ND		72.6	78.9	109	75.1	104	5	79-135/29
75-34-3	1,1-Dichloroethane	ND		72.6	74.5	103	71.3	99	4	77-132/26
75-35-4	1,1-Dichloroethylene	ND		72.6	75.5	104	70.3	97	7	66-132/27
563-58-6	1,1-Dichloropropene	ND		72.6	79.4	109	74.7	103	6	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		72.6	61.9	85	58.1	80	6	67-129/29
106-93-4	1,2-Dibromoethane	ND		72.6	74.3	102	70.0	97	6	77-126/24
107-06-2	1,2-Dichloroethane	ND		72.6	76.1	105	67.3	93	12	78-129/24
78-87-5	1,2-Dichloropropane	ND		72.6	73.4	101	69.1	95	6	74-127/27
142-28-9	1,3-Dichloropropane	ND		72.6	73.9	102	67.1	93	10	78-118/26
594-20-7	2,2-Dichloropropane	ND		72.6	72.7	100	67.4	93	8	80-137/28
124-48-1	Dibromochloromethane	ND		72.6	74.0	102	68.5	95	8	78-117/27
75-71-8	Dichlorodifluoromethane	ND		72.6	109	150	103	142	6	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		72.6	67.7	93	68.7	95	1	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		72.6	76.9	106	70.2	97	9	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49392-1MS	F021326.D	1	05/18/07	WJ	n/a	n/a	VF364
F49392-1MSD	F021327.D	1	05/18/07	WJ	n/a	n/a	VF364
F49392-1	F021325.D	1	05/18/07	WJ	n/a	n/a	VF364

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49350-4

CAS No.	Compound	F49392-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		72.6	59.0	81	53.4	74	10	71-126/28
541-73-1	m-Dichlorobenzene	ND		72.6	79.0	109	74.8	103	5	82-126/29
95-50-1	o-Dichlorobenzene	ND		72.6	77.3	107	73.5	102	5	83-123/28
106-46-7	p-Dichlorobenzene	ND		72.6	79.7	110	74.4	103	7	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		72.6	73.7	102	69.6	96	6	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		72.6	79.5	110	71.5	99	11	87-131/27
100-41-4	Ethylbenzene	ND		72.6	79.0	109	71.0	98	11	82-124/25
97-63-2	Ethyl methacrylate	ND		72.6	69.0	95	66.1	91	4	78-118/30
76-13-1	Freon 113	ND		72.6	76.3	105	77.9	108	2	62-147/29
591-78-6	2-Hexanone	ND		363	341	94	312	86	9	67-130/29
87-68-3	Hexachlorobutadiene	ND		72.6	92.0	127	85.8	119	7	77-150/36
110-54-3	Hexane	ND		72.6	63.0	87	60.4	83	4	65-147/27
98-82-8	Isopropylbenzene	ND		72.6	90.4	125	80.2	111	12	82-133/27
99-87-6	p-Isopropyltoluene	ND		72.6	78.6	108	71.5	99	9	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		363	332	92	304	84	9	69-125/24
126-98-7	Methacrylonitrile	ND		726	652	90	584	81	11	70-138/22
74-83-9	Methyl bromide	ND		72.6	81.6	112	78.5	108	4	60-146/31
74-87-3	Methyl chloride	ND		72.6	83.3	115	79.6	110	5	58-163/26
74-88-4	Methyl iodide	ND		72.6	69.8	96	72.7	100	4	66-128/27
80-62-6	Methyl methacrylate	ND		72.6	63.7	88	56.4	78	12	73-125/24
74-95-3	Methylene bromide	ND		72.6	74.6	103	70.0	97	6	75-128/26
75-09-2	Methylene chloride	ND		72.6	70.7	97	66.9	92	6	62-140/25
78-93-3	Methyl ethyl ketone	ND		363	288	79	271	75	6	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		72.6	65.9	91	66.3	92	1	70-131/25
91-20-3	Naphthalene	ND		72.6	73.5	101	71.8	99	2	59-143/31
76-01-7	Pentachloroethane	ND		72.6	59.8	82	51.1	71	16	64-156/37
107-12-0	Propionitrile	ND		726	566	78	508	70*	11	73-133/23
103-65-1	n-Propylbenzene	ND		72.6	74.1	102	66.8	92	10	78-129/29
100-42-5	Styrene	ND		72.6	82.3	113	72.5	100	13	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		72.6	79.8	110	71.2	98	11	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		72.6	78.8	109	72.9	101	8	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		72.6	64.2	88	59.3	82	8	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		72.6	74.8	103	66.2	91	12	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		72.6	86.7	119	82.1	113	5	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		72.6	65.0	90	64.2	89	1	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		72.6	86.7	119	84.2	116	3	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49392-1MS	F021326.D	1	05/18/07	WJ	n/a	n/a	VF364
F49392-1MSD	F021327.D	1	05/18/07	WJ	n/a	n/a	VF364
F49392-1	F021325.D	1	05/18/07	WJ	n/a	n/a	VF364

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49350-4

CAS No.	Compound	F49392-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		72.6	73.2	101	67.9	94	8	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		72.6	73.8	102	67.5	93	9	79-129/31
127-18-4	Tetrachloroethylene	ND		72.6	98.4	136*	98.4	136*	0	79-132/27
108-88-3	Toluene	ND		72.6	77.7	107	71.5	99	8	80-123/26
79-01-6	Trichloroethylene	ND		72.6	82.4	114	76.9	106	7	78-132/28
75-69-4	Trichlorofluoromethane	ND		72.6	87.6	121	83.0	115	5	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		72.6	61.9	85	57.7	80	7	74-138/30
75-01-4	Vinyl chloride	ND		72.6	83.4	115	75.9	105	9	60-145/29
108-05-4	Vinyl Acetate	ND		363	340	94	300	83	13	25-164/35
	m,p-Xylene	ND		145	164	113	148	102	10	82-128/25
95-47-6	o-Xylene	ND		72.6	82.3	113	72.5	100	13	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F49392-1	Limits
1868-53-7	Dibromofluoromethane	90%	96%	103%	80-121%
2037-26-5	Toluene-D8	95%	95%	97%	71-130%
460-00-4	4-Bromofluorobenzene	98%	100%	100%	59-148%
17060-07-0	1,2-Dichloroethane-D4	96%	90%	112%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49469-1MS	J029827.D	1	05/21/07	SH	n/a	n/a	VJ2127
F49469-1MSD	J029828.D	1	05/21/07	SH	n/a	n/a	VJ2127
F49469-1 [a]	J029826.D	1	05/21/07	SH	n/a	n/a	VJ2127

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49350-3

CAS No.	Compound	F49469-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		25	28.1	112	28.0	112	0	83-124/11

CAS No.	Surrogate Recoveries	MS	MSD	F49469-1	Limits
1868-53-7	Dibromofluoromethane	97%	99%	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	100%	99%	99%	76-127%
2037-26-5	Toluene-D8	95%	97%	97%	86-112%
460-00-4	4-Bromofluorobenzene	105%	106%	109%	84-120%

(a) Confirmation run.

GC/MS Semi-volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20540-MB	L036412.D	1	05/15/07	NJ	05/14/07	OP20540	SL1868

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49350-1, F49350-2, F49350-3

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	2.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	2.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	5.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	2.0	ug/l	
	3&4-Methylphenol	ND	5.0	2.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	2.0	ug/l	
100-02-7	4-Nitrophenol	ND	25	10	ug/l	
87-86-5	Pentachlorophenol	ND	25	10	ug/l	
108-95-2	Phenol	ND	5.0	2.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.0	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
92-87-5	Benzidine	ND	25	15	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	4.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	2.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	1.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	

Method Blank Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20540-MB	L036412.D	1	05/15/07	NJ	05/14/07	OP20540	SL1868

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49350-1, F49350-2, F49350-3

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	1.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	2.5	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	2.5	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	2.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
88-74-4	2-Nitroaniline	ND	10	4.0	ug/l	
99-09-2	3-Nitroaniline	ND	10	4.0	ug/l	
100-01-6	4-Nitroaniline	ND	10	4.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	42%	14-62%
4165-62-2	Phenol-d5	29%	10-40%

Method Blank Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20540-MB	L036412.D	1	05/15/07	NJ	05/14/07	OP20540	SL1868

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49350-1, F49350-2, F49350-3

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	71%	33-118%
4165-60-0	Nitrobenzene-d5	68%	42-108%
321-60-8	2-Fluorobiphenyl	65%	40-106%
1718-51-0	Terphenyl-d14	73%	39-121%

Method Blank Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20540-MB	R07900.D	1	05/16/07	NJ	05/14/07	OP20540	SR376

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49350-1, F49350-2, F49350-3

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	2.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	2.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	5.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	2.0	ug/l	
	3&4-Methylphenol	ND	5.0	2.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	2.0	ug/l	
100-02-7	4-Nitrophenol	ND	25	10	ug/l	
87-86-5	Pentachlorophenol	ND	25	10	ug/l	
108-95-2	Phenol	ND	5.0	2.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.0	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
92-87-5	Benzidine	ND	25	15	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	4.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	2.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	1.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	

Method Blank Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20540-MB	R07900.D	1	05/16/07	NJ	05/14/07	OP20540	SR376

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49350-1, F49350-2, F49350-3

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	1.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	2.5	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	2.5	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	2.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
88-74-4	2-Nitroaniline	ND	10	4.0	ug/l	
99-09-2	3-Nitroaniline	ND	10	4.0	ug/l	
100-01-6	4-Nitroaniline	ND	10	4.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	40%	14-62%
4165-62-2	Phenol-d5	28%	10-40%

Method Blank Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20540-MB	R07900.D	1	05/16/07	NJ	05/14/07	OP20540	SR376

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49350-1, F49350-2, F49350-3

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	65%	33-118%
4165-60-0	Nitrobenzene-d5	63%	42-108%
321-60-8	2-Fluorobiphenyl	60%	40-106%
1718-51-0	Terphenyl-d14	69%	39-121%

Blank Spike Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20540-BS	L036411.D	1	05/15/07	NJ	05/14/07	OP20540	SL1868

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49350-1, F49350-2, F49350-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	100	22.8	23	10-50
95-57-8	2-Chlorophenol	50	34.2	68	44-103
59-50-7	4-Chloro-3-methyl phenol	50	37.4	75	53-105
120-83-2	2,4-Dichlorophenol	50	38.1	76	53-108
105-67-9	2,4-Dimethylphenol	50	32.5	65	37-91
51-28-5	2,4-Dinitrophenol	100	75.4	75	37-111
534-52-1	4,6-Dinitro-o-cresol	100	85.0	85	62-115
95-48-7	2-Methylphenol	50	30.8	62	35-91
	3&4-Methylphenol	100	56.6	57	32-85
88-75-5	2-Nitrophenol	50	39.5	79	49-111
100-02-7	4-Nitrophenol	100	35.4	35	13-55
87-86-5	Pentachlorophenol	100	79.0	79	57-118
108-95-2	Phenol	50	14.7	29	13-54
95-95-4	2,4,5-Trichlorophenol	50	40.1	80	59-106
88-06-2	2,4,6-Trichlorophenol	50	39.4	79	58-107
83-32-9	Acenaphthene	50	39.2	78	58-106
208-96-8	Acenaphthylene	50	39.5	79	58-105
120-12-7	Anthracene	50	40.7	81	65-108
92-87-5	Benzidine	50	23.6	47	15-73
56-55-3	Benzo(a)anthracene	50	39.5	79	63-111
50-32-8	Benzo(a)pyrene	50	39.6	79	62-106
205-99-2	Benzo(b)fluoranthene	50	41.1	82	63-109
191-24-2	Benzo(g,h,i)perylene	50	39.9	80	61-111
207-08-9	Benzo(k)fluoranthene	50	42.0	84	64-111
101-55-3	4-Bromophenyl phenyl ether	50	40.2	80	64-107
85-68-7	Butyl benzyl phthalate	50	40.7	81	59-114
100-51-6	Benzyl Alcohol	50	30.9	62	34-98
91-58-7	2-Chloronaphthalene	50	37.7	75	54-105
106-47-8	4-Chloroaniline	50	38.3	77	53-103
218-01-9	Chrysene	50	39.9	80	64-111
111-91-1	bis(2-Chloroethoxy)methane	50	33.8	68	48-101
111-44-4	bis(2-Chloroethyl)ether	50	34.7	69	51-108
108-60-1	bis(2-Chloroisopropyl)ether	50	33.6	67	43-106
7005-72-3	4-Chlorophenyl phenyl ether	50	40.3	81	61-107
95-50-1	1,2-Dichlorobenzene	50	31.4	63	41-102
541-73-1	1,3-Dichlorobenzene	50	30.4	61	38-100

Blank Spike Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20540-BS	L036411.D	1	05/15/07	NJ	05/14/07	OP20540	SL1868

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49350-1, F49350-2, F49350-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
106-46-7	1,4-Dichlorobenzene	50	30.3	61	40-100
121-14-2	2,4-Dinitrotoluene	50	39.8	80	60-109
606-20-2	2,6-Dinitrotoluene	50	39.5	79	58-104
91-94-1	3,3'-Dichlorobenzidine	50	38.3	77	57-105
53-70-3	Dibenzo(a,h)anthracene	50	38.8	78	62-112
132-64-9	Dibenzofuran	50	40.1	80	61-108
84-74-2	Di-n-butyl phthalate	50	41.7	83	62-109
117-84-0	Di-n-octyl phthalate	50	44.1	88	60-120
84-66-2	Diethyl phthalate	50	41.5	83	62-109
131-11-3	Dimethyl phthalate	50	40.8	82	63-106
117-81-7	bis(2-Ethylhexyl)phthalate	50	41.3	83	59-116
206-44-0	Fluoranthene	50	40.7	81	65-114
86-73-7	Fluorene	50	40.4	81	61-106
118-74-1	Hexachlorobenzene	50	40.1	80	62-107
87-68-3	Hexachlorobutadiene	50	34.6	69	38-107
77-47-4	Hexachlorocyclopentadiene	50	30.6	61	19-84
67-72-1	Hexachloroethane	50	30.3	61	35-101
193-39-5	Indeno(1,2,3-cd)pyrene	50	39.4	79	61-113
78-59-1	Isophorone	50	38.6	77	56-111
91-57-6	2-Methylnaphthalene	50	38.0	76	56-112
88-74-4	2-Nitroaniline	50	39.9	80	60-109
99-09-2	3-Nitroaniline	50	41.7	83	52-107
100-01-6	4-Nitroaniline	50	40.9	82	59-111
91-20-3	Naphthalene	50	35.5	71	50-104
98-95-3	Nitrobenzene	50	37.2	74	52-105
621-64-7	N-Nitroso-di-n-propylamine	50	35.8	72	51-104
86-30-6	N-Nitrosodiphenylamine	50	39.9	80	57-110
85-01-8	Phenanthrene	50	41.1	82	65-108
129-00-0	Pyrene	50	40.7	81	60-113
120-82-1	1,2,4-Trichlorobenzene	50	33.5	67	45-104

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	44%	14-62%
4165-62-2	Phenol-d5	31%	10-40%

Blank Spike Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20540-BS	L036411.D	1	05/15/07	NJ	05/14/07	OP20540	SL1868

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49350-1, F49350-2, F49350-3

CAS No.	Surrogate Recoveries	BSP	Limits
118-79-6	2,4,6-Tribromophenol	82%	33-118%
4165-60-0	Nitrobenzene-d5	76%	42-108%
321-60-8	2-Fluorobiphenyl	76%	40-106%
1718-51-0	Terphenyl-d14	81%	39-121%

Blank Spike Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20540-BS	R07899.D	1	05/16/07	NJ	05/14/07	OP20540	SR376

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49350-1, F49350-2, F49350-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	100	17.4	17	10-50
95-57-8	2-Chlorophenol	50	33.5	67	44-103
59-50-7	4-Chloro-3-methyl phenol	50	36.7	73	53-105
120-83-2	2,4-Dichlorophenol	50	36.8	74	53-108
105-67-9	2,4-Dimethylphenol	50	30.6	61	37-91
51-28-5	2,4-Dinitrophenol	100	77.1	77	37-111
534-52-1	4,6-Dinitro-o-cresol	100	81.8	82	62-115
95-48-7	2-Methylphenol	50	31.0	62	35-91
	3&4-Methylphenol	100	58.7	59	32-85
88-75-5	2-Nitrophenol	50	35.7	71	49-111
100-02-7	4-Nitrophenol	100	32.6	33	13-55
87-86-5	Pentachlorophenol	100	79.0	79	57-118
108-95-2	Phenol	50	14.8	30	13-54
95-95-4	2,4,5-Trichlorophenol	50	38.1	76	59-106
88-06-2	2,4,6-Trichlorophenol	50	37.1	74	58-107
83-32-9	Acenaphthene	50	37.9	76	58-106
208-96-8	Acenaphthylene	50	37.3	75	58-105
120-12-7	Anthracene	50	38.9	78	65-108
92-87-5	Benzidine	50	20.6	41	15-73
56-55-3	Benzo(a)anthracene	50	38.5	77	63-111
50-32-8	Benzo(a)pyrene	50	38.6	77	62-106
205-99-2	Benzo(b)fluoranthene	50	39.9	80	63-109
191-24-2	Benzo(g,h,i)perylene	50	39.5	79	61-111
207-08-9	Benzo(k)fluoranthene	50	40.0	80	64-111
101-55-3	4-Bromophenyl phenyl ether	50	38.8	78	64-107
85-68-7	Butyl benzyl phthalate	50	39.8	80	59-114
100-51-6	Benzyl Alcohol	50	30.2	60	34-98
91-58-7	2-Chloronaphthalene	50	35.6	71	54-105
106-47-8	4-Chloroaniline	50	38.1	76	53-103
218-01-9	Chrysene	50	38.8	78	64-111
111-91-1	bis(2-Chloroethoxy)methane	50	33.3	67	48-101
111-44-4	bis(2-Chloroethyl)ether	50	34.8	70	51-108
108-60-1	bis(2-Chloroisopropyl)ether	50	34.3	69	43-106
7005-72-3	4-Chlorophenyl phenyl ether	50	38.7	77	61-107
95-50-1	1,2-Dichlorobenzene	50	30.8	62	41-102
541-73-1	1,3-Dichlorobenzene	50	29.0	58	38-100

Blank Spike Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20540-BS	R07899.D	1	05/16/07	NJ	05/14/07	OP20540	SR376

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49350-1, F49350-2, F49350-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
106-46-7	1,4-Dichlorobenzene	50	29.1	58	40-100
121-14-2	2,4-Dinitrotoluene	50	39.4	79	60-109
606-20-2	2,6-Dinitrotoluene	50	37.0	74	58-104
91-94-1	3,3'-Dichlorobenzidine	50	37.6	75	57-105
53-70-3	Dibenzo(a,h)anthracene	50	39.5	79	62-112
132-64-9	Dibenzofuran	50	38.6	77	61-108
84-74-2	Di-n-butyl phthalate	50	38.6	77	62-109
117-84-0	Di-n-octyl phthalate	50	38.6	77	60-120
84-66-2	Diethyl phthalate	50	39.2	78	62-109
131-11-3	Dimethyl phthalate	50	38.8	78	63-106
117-81-7	bis(2-Ethylhexyl)phthalate	50	40.8	82	59-116
206-44-0	Fluoranthene	50	39.6	79	65-114
86-73-7	Fluorene	50	39.0	78	61-106
118-74-1	Hexachlorobenzene	50	38.0	76	62-107
87-68-3	Hexachlorobutadiene	50	31.7	63	38-107
77-47-4	Hexachlorocyclopentadiene	50	28.0	56	19-84
67-72-1	Hexachloroethane	50	28.0	56	35-101
193-39-5	Indeno(1,2,3-cd)pyrene	50	39.6	79	61-113
78-59-1	Isophorone	50	37.9	76	56-111
91-57-6	2-Methylnaphthalene	50	37.3	75	56-112
88-74-4	2-Nitroaniline	50	41.0	82	60-109
99-09-2	3-Nitroaniline	50	39.2	78	52-107
100-01-6	4-Nitroaniline	50	40.8	82	59-111
91-20-3	Naphthalene	50	33.3	67	50-104
98-95-3	Nitrobenzene	50	34.6	69	52-105
621-64-7	N-Nitroso-di-n-propylamine	50	36.8	74	51-104
86-30-6	N-Nitrosodiphenylamine	50	37.6	75	57-110
85-01-8	Phenanthrene	50	38.8	78	65-108
129-00-0	Pyrene	50	39.1	78	60-113
120-82-1	1,2,4-Trichlorobenzene	50	32.1	64	45-104

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	44%	14-62%
4165-62-2	Phenol-d5	31%	10-40%

Blank Spike Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20540-BS	R07899.D	1	05/16/07	NJ	05/14/07	OP20540	SR376

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49350-1, F49350-2, F49350-3

CAS No.	Surrogate Recoveries	BSP	Limits
118-79-6	2,4,6-Tribromophenol	79%	33-118%
4165-60-0	Nitrobenzene-d5	70%	42-108%
321-60-8	2-Fluorobiphenyl	71%	40-106%
1718-51-0	Terphenyl-d14	78%	39-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20540-MS	R07905.D	1	05/16/07	NJ	05/14/07	OP20540	SR376
OP20540-MSD	R07906.D	1	05/16/07	NJ	05/14/07	OP20540	SR376
F49350-1	R07904.D	1	05/16/07	NJ	05/14/07	OP20540	SR376

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49350-1, F49350-2, F49350-3

CAS No.	Compound	F49350-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	ND		192	101	53*	92.5	48	9	10-50/40
95-57-8	2-Chlorophenol	ND		96.2	65.6	68	58.4	61	12	44-103/29
59-50-7	4-Chloro-3-methyl phenol	ND		96.2	71.0	74	65.3	68	8	53-105/24
120-83-2	2,4-Dichlorophenol	ND		96.2	70.5	73	62.0	64	13	53-108/26
105-67-9	2,4-Dimethylphenol	ND		96.2	21.6	22*	20.9	22*	3	37-91/28
51-28-5	2,4-Dinitrophenol	ND		192	172	89	160	83	7	37-111/30
534-52-1	4,6-Dinitro-o-cresol	ND		192	172	89	161	84	7	62-115/26
95-48-7	2-Methylphenol	ND		96.2	58.5	61	53.0	55	10	35-91/30
	3&4-Methylphenol	ND		192	120	62	110	57	9	32-85/29
88-75-5	2-Nitrophenol	ND		96.2	72.0	75	63.3	66	13	49-111/30
100-02-7	4-Nitrophenol	ND		192	108	56*	105	55	3	13-55/31
87-86-5	Pentachlorophenol	ND		192	166	86	158	82	5	57-118/26
108-95-2	Phenol	ND		96.2	46.8	49	45.4	47	3	13-54/34
95-95-4	2,4,5-Trichlorophenol	ND		96.2	77.1	80	69.0	72	11	59-106/23
88-06-2	2,4,6-Trichlorophenol	ND		96.2	76.0	79	68.4	71	11	58-107/24
83-32-9	Acenaphthene	ND		96.2	76.4	79	69.4	72	10	58-106/21
208-96-8	Acenaphthylene	ND		96.2	74.2	77	67.4	70	10	58-105/21
120-12-7	Anthracene	ND		96.2	70.8	74	67.0	70	6	65-108/19
92-87-5	Benzidine	ND		96.2	ND	0*	ND	0*	nc	15-73/23
56-55-3	Benzo(a)anthracene	ND		96.2	78.9	82	73.1	76	8	63-111/19
50-32-8	Benzo(a)pyrene	ND		96.2	65.2	68	62.0	64	5	62-106/20
205-99-2	Benzo(b)fluoranthene	ND		96.2	83.2	87	75.2	78	10	63-109/20
191-24-2	Benzo(g,h,i)perylene	ND		96.2	82.2	85	77.0	80	7	61-111/21
207-08-9	Benzo(k)fluoranthene	ND		96.2	82.5	86	77.2	80	7	64-111/20
101-55-3	4-Bromophenyl phenyl ether	ND		96.2	79.8	83	73.3	76	8	64-107/20
85-68-7	Butyl benzyl phthalate	ND		96.2	83.1	86	76.2	79	9	59-114/20
100-51-6	Benzyl Alcohol	ND		96.2	67.2	70	60.3	63	11	34-98/27
91-58-7	2-Chloronaphthalene	ND		96.2	72.5	75	64.1	67	12	54-105/24
106-47-8	4-Chloroaniline	ND		96.2	ND	0*	ND	0*	nc	53-103/22
218-01-9	Chrysene	ND		96.2	80.8	84	75.2	78	7	64-111/19
111-91-1	bis(2-Chloroethoxy)methane	ND		96.2	64.0	67	56.2	58	13	48-101/28
111-44-4	bis(2-Chloroethyl)ether	ND		96.2	66.9	70	58.6	61	13	51-108/27
108-60-1	bis(2-Chloroisopropyl)ether	ND		96.2	66.4	69	58.8	61	12	43-106/27
7005-72-3	4-Chlorophenyl phenyl ether	ND		96.2	77.9	81	71.8	75	8	61-107/20
95-50-1	1,2-Dichlorobenzene	1.4	J	96.2	66.6	68	59.3	60	12	41-102/28
541-73-1	1,3-Dichlorobenzene	ND		96.2	62.8	65	56.7	59	10	38-100/28

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20540-MS	R07905.D	1	05/16/07	NJ	05/14/07	OP20540	SR376
OP20540-MSD	R07906.D	1	05/16/07	NJ	05/14/07	OP20540	SR376
F49350-1	R07904.D	1	05/16/07	NJ	05/14/07	OP20540	SR376

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49350-1, F49350-2, F49350-3

CAS No.	Compound	F49350-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
106-46-7	1,4-Dichlorobenzene	ND		96.2	63.3	66	56.7	59	11	40-100/28
121-14-2	2,4-Dinitrotoluene	ND		96.2	79.7	83	74.8	78	6	60-109/20
606-20-2	2,6-Dinitrotoluene	ND		96.2	74.7	78	69.2	72	8	58-104/21
91-94-1	3,3'-Dichlorobenzidine	ND		96.2	ND	0*	ND	0*	nc	57-105/25
53-70-3	Dibenzo(a,h)anthracene	ND		96.2	82.4	86	74.8	78	10	62-112/20
132-64-9	Dibenzofuran	ND		96.2	77.8	81	71.2	74	9	61-108/20
84-74-2	Di-n-butyl phthalate	ND		96.2	79.2	82	73.9	77	7	62-109/20
117-84-0	Di-n-octyl phthalate	ND		96.2	81.1	84	73.8	77	9	60-120/24
84-66-2	Diethyl phthalate	ND		96.2	78.9	82	73.2	76	7	62-109/19
131-11-3	Dimethyl phthalate	ND		96.2	77.8	81	72.1	75	8	63-106/19
117-81-7	bis(2-Ethylhexyl)phthalate	ND		96.2	84.2	88	77.6	81	8	59-116/21
206-44-0	Fluoranthene	ND		96.2	81.1	84	77.3	80	5	65-114/21
86-73-7	Fluorene	ND		96.2	79.1	82	73.3	76	8	61-106/19
118-74-1	Hexachlorobenzene	ND		96.2	79.2	82	72.7	76	9	62-107/20
87-68-3	Hexachlorobutadiene	ND		96.2	69.2	72	61.1	64	12	38-107/30
77-47-4	Hexachlorocyclopentadiene	ND		96.2	67.9	71	57.9	60	16	19-84/35
67-72-1	Hexachloroethane	ND		96.2	62.2	65	55.6	58	11	35-101/29
193-39-5	Indeno(1,2,3-cd)pyrene	ND		96.2	83.4	87	77.4	80	7	61-113/20
78-59-1	Isophorone	ND		96.2	73.4	76	65.1	68	12	56-111/26
91-57-6	2-Methylnaphthalene	ND		96.2	74.1	77	65.0	68	13	56-112/26
88-74-4	2-Nitroaniline	ND		96.2	59.6	62	34.3	36*	54*	60-109/20
99-09-2	3-Nitroaniline	ND		96.2	ND	0*	ND	0*	nc	52-107/21
100-01-6	4-Nitroaniline	ND		96.2	10.1	11*	ND	0*	200*	59-111/21
91-20-3	Naphthalene	ND		96.2	68.3	71	60.6	63	12	50-104/28
98-95-3	Nitrobenzene	ND		96.2	93.9	98	87.9	91	7	52-105/28
621-64-7	N-Nitroso-di-n-propylamine	ND		96.2	69.3	72	62.2	65	11	51-104/28
86-30-6	N-Nitrosodiphenylamine	ND		96.2	76.6	80	71.3	74	7	57-110/19
85-01-8	Phenanthrene	ND		96.2	81.5	85	75.9	79	7	65-108/20
129-00-0	Pyrene	ND		96.2	82.2	85	74.5	77	10	60-113/20
120-82-1	1,2,4-Trichlorobenzene	ND		96.2	68.0	71	59.5	62	13	45-104/28

CAS No.	Surrogate Recoveries	MS	MSD	F49350-1	Limits
367-12-4	2-Fluorophenol	57%	52%	37%	14-62%
4165-62-2	Phenol-d5	49%*	47%*	27%	10-40%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20540-MS	R07905.D	1	05/16/07	NJ	05/14/07	OP20540	SR376
OP20540-MSD	R07906.D	1	05/16/07	NJ	05/14/07	OP20540	SR376
F49350-1	R07904.D	1	05/16/07	NJ	05/14/07	OP20540	SR376

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49350-1, F49350-2, F49350-3

CAS No.	Surrogate Recoveries	MS	MSD	F49350-1	Limits
118-79-6	2,4,6-Tribromophenol	83%	75%	75%	33-118%
4165-60-0	Nitrobenzene-d5	70%	62%	65%	42-108%
321-60-8	2-Fluorobiphenyl	73%	64%	65%	40-106%
1718-51-0	Terphenyl-d14	84%	75%	74%	39-121%

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GHH1152-MB	HH026217.D	1	05/18/07	TD	n/a	n/a	GHH1152

The QC reported here applies to the following samples: **Method:** SW846 8015

F49350-1, F49350-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	87%	57-129%
98-08-8	aaa-Trifluorotoluene	81%	58-120%

Method Blank Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GHH1154-MB	HH026269.D	1	05/22/07	TD	n/a	n/a	GHH1154

The QC reported here applies to the following samples: **Method:** SW846 8015

F49350-3

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	100%	57-129%
98-08-8	aaa-Trifluorotoluene	89%	58-120%

Blank Spike Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GHH1152-BS	HH026216.D	1	05/18/07	TD	n/a	n/a	GHH1152

The QC reported here applies to the following samples: **Method:** SW846 8015

F49350-1, F49350-2

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	0.4	0.452	113	75-129

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	98%	57-129%
98-08-8	aaa-Trifluorotoluene	100%	58-120%

Blank Spike Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GHH1154-BS	HH026268.D	1	05/22/07	TD	n/a	n/a	GHH1154

The QC reported here applies to the following samples: **Method:** SW846 8015

F49350-3

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	0.4	0.482	121	75-129

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	109%	57-129%
98-08-8	aaa-Trifluorotoluene	99%	58-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49350-2MS	HH026224.D	1	05/18/07	TD	n/a	n/a	GHH1152
F49350-2MSD	HH026225.D	1	05/18/07	TD	n/a	n/a	GHH1152
F49350-2	HH026221.D	1	05/18/07	TD	n/a	n/a	GHH1152

The QC reported here applies to the following samples: **Method:** SW846 8015

F49350-1, F49350-2

CAS No.	Compound	F49350-2 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		0.4	0.530	133*	0.508	127	4	75-129/13

CAS No.	Surrogate Recoveries	MS	MSD	F49350-2	Limits
460-00-4	4-Bromofluorobenzene	95%	94%	80%	57-129%
98-08-8	aaa-Trifluorotoluene	95%	96%	80%	58-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49499-1MS	HH026282.D	10	05/22/07	TD	n/a	n/a	GHH1154
F49499-1MSD	HH026283.D	10	05/22/07	TD	n/a	n/a	GHH1154
F49499-1	HH026273.D	10	05/22/07	TD	n/a	n/a	GHH1154

The QC reported here applies to the following samples: **Method:** SW846 8015

F49350-3

CAS No.	Compound	F49499-1 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	2.51		4	6.89	110	6.52	100	6	75-129/13

CAS No.	Surrogate Recoveries	MS	MSD	F49499-1	Limits
460-00-4	4-Bromofluorobenzene	108%	107%	96%	57-129%
98-08-8	aaa-Trifluorotoluene	97%	91%	81%	58-120%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20545-MB	YY02383.D	1	05/17/07	MG	05/14/07	OP20545	GYY93

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F49350-1, F49350-2, F49350-3

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.25	0.10	mg/l	
	TPH (> C22-C36)	ND	0.25	0.10	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	79%	42-114%

Blank Spike Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20545-BS	YY02382.D	1	05/17/07	MG	05/14/07	OP20545	GYY93

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F49350-1, F49350-2, F49350-3

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH (C10-C22)	1	0.806	81	60-140
	TPH (> C22-C36)	1	1.02	102	60-140

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	87%	42-114%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49350
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20545-MS	YY02387.D	1	05/17/07	MG	05/14/07	OP20545	GYY93
OP20545-MSD	YY02388.D	1	05/17/07	MG	05/14/07	OP20545	GYY93
F49350-3	YY02386.D	1	05/17/07	MG	05/14/07	OP20545	GYY93

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F49350-1, F49350-2, F49350-3

CAS No.	Compound	F49350-3 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		1.92	1.92	100	1.80	94	6	60-140/30
	TPH (> C22-C36)	ND		1.92	2.28	119	2.23	116	2	60-140/30

CAS No.	Surrogate Recoveries	MS	MSD	F49350-3	Limits
84-15-1	o-Terphenyl	90%	83%	77%	42-114%

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F49350
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11949 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/11/07 05/11/07

Metal	RL	IDL	MB raw	MB final	MB raw	MB final
Mercury	1.0	.08	0.020	<1.0	-0.012	<1.0

Associated samples MP11949: F49350-1, F49350-2, F49350-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F49350
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11949
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 05/11/07 05/11/07

Metal	F49383-2 Original	DUP	RPD	QC Limits	F49383-2 Original	MS	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.0	0.0	NC	0-20	0.0	3.0	3	100.0	80-120

Associated samples MP11949: F49350-1, F49350-2, F49350-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F49350
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11949 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/11/07

Metal	F49383-2 Original	MSD	Spikelot HGFLWS1	% Rec	MSD RPD	QC Limit
Mercury	0.0	2.9	3	96.7	3.4	20

Associated samples MP11949: F49350-1, F49350-2, F49350-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F49350
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11949
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 05/11/07

Metal	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	3.0	3	100.0	80-120

Associated samples MP11949: F49350-1, F49350-2, F49350-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: F49350
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11949 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/11/07

Metal	F49383-2 Original	SDL 1:5	RPD	QC Limits
Mercury	0.00	0.00	NC	0-10

Associated samples MP11949: F49350-1, F49350-2, F49350-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F49350
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11996
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 05/16/07

Metal	RL	IDL	MB raw	final
Aluminum	200	18		
Antimony	6.0	3.4	anr	
Arsenic	10	2.8	0.50	<10
Barium	200	5	0.050	<200
Beryllium	4.0	1	anr	
Cadmium	5.0	1	-0.12	<5.0
Calcium	1000	42	anr	
Chromium	10	.6	-0.31	<10
Cobalt	50	1		
Copper	25	.9		
Iron	300	12	anr	
Lead	5.0	1.7	2.2	<5.0
Magnesium	5000	4.3		
Manganese	15	.6	anr	
Molybdenum	50	1.3		
Nickel	40	1	anr	
Potassium	10000	10	anr	
Selenium	10	2	2.5	<10
Silver	10	.9	-0.56	<10
Sodium	10000	500		
Thallium	10	2.3		
Tin	50	3.1		
Vanadium	50	.6	anr	
Zinc	20	1.3		

Associated samples MP11996: F49350-1, F49350-2, F49350-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F49350
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11996
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date:			05/16/07					05/16/07	
Metal	F49368-1 Original	DUP	RPD	QC Limits	F49368-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum									
Antimony	anr								
Arsenic	0.0	0.0	NC	0-20	0.0	1890	2000	94.5	80-120
Barium	75.0	76.3	1.7	0-20	75.0	2110	2000	101.8	80-120
Beryllium	anr								
Cadmium	0.0	0.0	NC	0-20	0.0	48.4	50	96.8	80-120
Calcium	anr								
Chromium	1.2	0.93	25.4 (a)	0-20	1.2	193	200	95.9	80-120
Cobalt									
Copper									
Iron	anr								
Lead	3.3	2.0	49.1 (a)	0-20	3.3	483	500	95.9	80-120
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	0.0	0.0	NC	0-20	0.0	1890	2000	94.5	80-120
Silver	0.0	0.0	NC	0-20	0.0	47.5	50	95.0	80-120
Sodium									
Thallium									
Tin									
Vanadium	anr								
Zinc									

Associated samples MP11996: F49350-1, F49350-2, F49350-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) RPD acceptable due to low duplicate and sample concentrations.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F49350
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11996 Methods: SW846 6010B
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/16/07

Metal	F49368-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony	anr					
Arsenic	0.0	1890	2000	94.5	0.0	20
Barium	75.0	2090	2000	100.8	1.0	20
Beryllium	anr					
Cadmium	0.0	48.3	50	96.6	0.2	20
Calcium	anr					
Chromium	1.2	192	200	95.4	0.5	20
Cobalt						
Copper						
Iron	anr					
Lead	3.3	481	500	95.5	0.4	20
Magnesium						
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	anr					
Selenium	0.0	1890	2000	94.5	0.0	20
Silver	0.0	46.6	50	93.2	1.9	20
Sodium						
Thallium						
Tin						
Vanadium	anr					
Zinc						

Associated samples MP11996: F49350-1, F49350-2, F49350-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F49350
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11996
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 05/16/07

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum				
Antimony	anr			
Arsenic	1880	2000	94.0	80-120
Barium	1990	2000	99.5	80-120
Beryllium	anr			
Cadmium	48.5	50	97.0	80-120
Calcium	anr			
Chromium	192	200	96.0	80-120
Cobalt				
Copper				
Iron	anr			
Lead	483	500	96.6	80-120
Magnesium				
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	anr			
Selenium	1910	2000	95.5	80-120
Silver	46.4	50	92.8	80-120
Sodium				
Thallium				
Tin				
Vanadium	anr			
Zinc				

Associated samples MP11996: F49350-1, F49350-2, F49350-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: F49350
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11996
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 05/16/07

Metal	F49368-1 Original	SDL 1:5	RPD	QC Limits
Aluminum				
Antimony	anr			
Arsenic	0.00	0.00	NC	0-10
Barium	75.0	78.9	5.2	0-10
Beryllium	anr			
Cadmium	0.00	0.00	NC	0-10
Calcium	anr			
Chromium	1.22	0.00	100.0(a)	0-10
Cobalt				
Copper				
Iron	anr			
Lead	3.31	9.77	195.2(a)	0-10
Magnesium				
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	anr			
Selenium	0.00	0.00	NC	0-10
Silver	0.00	0.00	NC	0-10
Sodium				
Thallium				
Tin				
Vanadium	anr			
Zinc				

Associated samples MP11996: F49350-1, F49350-2, F49350-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: F49350
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Solids, Total Dissolved	GN25347	100	<100	mg/l				

Associated Samples:
Batch GN25347: F49350-1, F49350-2, F49350-3
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: F49350
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Solids, Total Dissolved	GN25347	F49343-7	mg/l	294	344	15.7	0-30%

Associated Samples:
Batch GN25347: F49350-1, F49350-2, F49350-3
(*) Outside of QC limits

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

10/29/08

Technical Report for

Bhate Environmental Associates, Inc.

HOLMN

9050361.01.02

Accutest Job Number: F49392

Sampling Dates: 05/07/07 - 05/08/07

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **173**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Note: This report is password protected to disallow document modification or assembly.
A password to unlock this report is available from your client service representative.

Sections: 1 2 3 4 5 6 7 8 9

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **8**
3.1: F49392-1: SS61-DP62 13' 9
3.2: F49392-2: SS61-DP62 21' 18
3.3: F49392-3: SS61-DP62a 21'a 27
3.4: F49392-4: SS61-DP63 15' 36
3.5: F49392-5: SS61-DP63 21 45
3.6: F49392-6: SS61-DP64 13' 54
3.7: F49392-7: SS61-DP64 24' 63
3.8: F49392-8: SS61-DP61 17' 72
3.9: F49392-9: SS61-DP61 24' 81
3.10: F49392-10: SS61-TRIP BLANK 90
Section 4: Misc. Forms **93**
4.1: Chain of Custody 94
Section 5: GC/MS Volatiles - QC Data Summaries **96**
5.1: Method Blank Summary 97
5.2: Blank Spike Summary 111
5.3: Matrix Spike/Matrix Spike Duplicate Summary 125
Section 6: GC/MS Semi-volatiles - QC Data Summaries **139**
6.1: Method Blank Summary 140
6.2: Blank Spike Summary 146
6.3: Matrix Spike/Matrix Spike Duplicate Summary 149
Section 7: GC Volatiles - QC Data Summaries **152**
7.1: Method Blank Summary 153
7.2: Blank Spike Summary 155
7.3: Matrix Spike/Matrix Spike Duplicate Summary 157
Section 8: GC Semi-volatiles - QC Data Summaries **159**
8.1: Method Blank Summary 160
8.2: Blank Spike Summary 161
8.3: Matrix Spike/Matrix Spike Duplicate Summary 162
Section 9: Metals Analysis - QC Data Summaries **163**
9.1: Prep QC MP11962: Hg 164
9.2: Prep QC MP12008: As,Ba,Cd,Cr,Pb,Se,Ag 169

Sample Summary

Bhate Environmental Associates, Inc.

Job No: F49392

HOLMN
Project No: 9050361.01.02

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F49392-1	05/08/07	09:30	BW	05/09/07	SO	Soil	SS61-DP62 13'
F49392-2	05/08/07	09:45	BW	05/09/07	SO	Soil	SS61-DP62 21'
F49392-3	05/08/07	09:45	BW	05/09/07	SO	Soil	SS61-DP62a 21' a
F49392-4	05/08/07	10:45	BW	05/09/07	SO	Soil	SS61-DP63 15'
F49392-5	05/08/07	11:00	BW	05/09/07	SO	Soil	SS61-DP63 21
F49392-6	05/08/07	12:10	BW	05/09/07	SO	Soil	SS61-DP64 13'
F49392-7	05/08/07	12:30	BW	05/09/07	SO	Soil	SS61-DP64 24'
F49392-8	05/07/07	16:00	BW	05/09/07	SO	Soil	SS61-DP61 17'
F49392-9	05/07/07	16:30	BW	05/09/07	SO	Soil	SS61-DP61 24'
F49392-10	05/07/07	00:00	BW	05/09/07	AQ	Trip Blank Soil	SS61-TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Bhate Environmental Associates, Inc. **Job No:** F49392

Site: HOLMN **Report Date** 5/25/2007 3:24:55 PM

9 Samples, 1 Trip Blank were collected on between 05/07/2007 and 05/08/2007 and received at Accutest on 05/09/2007 properly preserved, at 2.6 Deg. C and intact. These Samples received an Accutest job number of F49392. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VJ2127

All method blanks for this batch meet method specific criteria.

The following samples were run outside of holding time for method SW846 8260B: F49392-10

Blank Spike Recovery(s) for Dichlorodifluoromethane are outside control limits. Biased high, not detected in the samples, data integrity not adversely affected.

Sample(s) F49392-7, F49486-32MS, F49392-6, F49392-3 have surrogates outside control limits. Probable cause due to matrix interference.

Matrix: AQ **Batch ID:** VJ2130

Sample(s) F49392-7, F49486-32MS, F49392-6, F49392-3 have surrogates outside control limits. Probable cause due to matrix interference.

F49392-10: Confirmation run. Sample re-analyzed beyond hold time; reported results are considered minimum values.

Matrix: SO **Batch ID:** VF364

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49392-1MS, F49392-1MSD were used as the QC samples indicated.

Blank Spike Recovery(s) for 1,2,4-Trichlorobenzene, Hexachlorobutadiene are outside control limits. Biased high, not detected in the samples, data integrity not adversely affected.

MS adnd/or MSD Recovery(s) for Acetone, Acetonitrile, Propionitrile, Tetrachloroethylene are outside control limits. Probable cause due to matrix interference. See Blank Spike.

Sample(s) F49392-7, F49486-32MS, F49392-6, F49392-3 have surrogates outside control limits. Probable cause due to matrix interference.

F49392-6: Confirmation run.

Matrix: SO **Batch ID:** VF365

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for Hexachlorobutadiene, Tetrachloroethylene are outside control limits. Biased high, not detected in the samples, data integrity not adversely affected.

Sample(s) F49392-7, F49486-32MS, F49392-6, F49392-3 have surrogates outside control limits. Probable cause due to matrix interference.

F49392-4 for Acetone: CCV outside of control limits; results may be biased high.

F49392-6 for 1,2-Dichloroethane-D4: Outside control limits due to matrix interference. Confirmed by reanalysis.

F49392-3 for Hexane: CCV outside of control limits; results may be biased high.

F49392-8 for Acetone: CCV outside of control limits; results may be biased high.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VF366

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49486-32MS, F49486-32MSD were used as the QC samples indicated.

Blank Spike Recovery(s) for Tetrachloroethylene are outside control limits. Biased high, not detected in the samples, data

integrity not adversely affected.

Matrix Spike Recovery(s) for 1,1,2,2-Tetrachloroethane, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, Acetone, Acetonitrile, Bromobenzene, cis-1,4-Dichloro-2-Butene, Dichlorodifluoromethane, Ethyl methacrylate, Hexachlorobutadiene, Hexane, Methacrylonitrile, Methyl ethyl ketone, n-Butylbenzene, n-Propylbenzene, Naphthalene, o-Chlorotoluene, p-Chlorotoluene, Propionitrile, Toluene, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Acetone, Acetonitrile, Bromobenzene, Dichlorodifluoromethane, Ethyl methacrylate, Hexachlorobutadiene, Hexane, Methacrylonitrile, Methyl ethyl ketone, Methyl methacrylate, n-Butylbenzene, Naphthalene, p-Isopropyltoluene, Propionitrile, sec-Butylbenzene, Toluene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference. For method performance in clean matrix refer to Blank Spike.

RPD(s) for MSD for cis-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits for sample F49486-32MSD. Probable cause due to sample homogeneity.

Sample(s) F49392-7, F49486-32MS, F49392-6, F49392-3 have surrogates outside control limits. Probable cause due to matrix interference.

F49392-7: En Core samples were not preserved within 48 hours.

F49392-7 for Acetone: CCV outside of control limits; results may be biased high.

F49392-7 for Carbon disulfide: CCV outside of control limits; results may be biased high.

Matrix: SO **Batch ID:** VF368

All method blanks for this batch meet method specific criteria.

Sample(s) F49463-4MS, F49463-4MSD were used as the QC samples indicated.

The following samples were run outside of holding time for method SW846 8260B: F49392-3 Sample re-analyzed beyond hold time; reported results are considered minimum values.

MS/MSD Recovery(s) for Isopropylbenzene are outside control limits. Probable cause due to matrix interference. See Blank spike.

Sample(s) F49392-7, F49486-32MS, F49392-6, F49392-3 have surrogates outside control limits. Probable cause due to matrix interference.

F49392-3: Sample re-analyzed beyond hold time; reported results are considered minimum values.

F49392-3 for 1,2-Dichloroethane-D4: Outside control limits due to matrix interference.

Matrix: SO **Batch ID:** VH1631

Sample(s) F49392-7, F49486-32MS, F49392-6, F49392-3 have surrogates outside control limits. Probable cause due to matrix interference.

Extractables by GCMS By Method SW846 8270C

Matrix: SO **Batch ID:** OP20671

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49337-4MS, F49337-4MSD were used as the QC samples indicated.

Matrix Spike Recovery(s) for 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Chloronaphthalene, 2-Chlorophenol, 2-Methylnaphthalene, 2-Methylphenol, 2-Nitrophenol, 3&4-Methylphenol, 4,6-Dinitro-o-cresol, 4-Bromophenyl phenyl ether, 4-Chloro-3-methyl phenol, 4-Chlorophenyl phenyl ether, 4-Nitrophenol, Acenaphthene, Acenaphthylene, Anthracene, Benzidine, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Benzoic acid, bis(2-Chloroethoxy)methane, bis(2-Chloroethyl)ether, bis(2-Chloroisopropyl)ether, bis(2-Ethylhexyl)phthalate, Butyl benzyl phthalate, Chrysene, Di-n-butyl phthalate, Di-n-octyl phthalate, Dibenzo(a,h)anthracene, Dibenzofuran, Diethyl phthalate, Dimethyl phthalate, Fluoranthene, Fluorene, Hexachlorobenzene, Hexachlorobutadiene, Hexachloroethane, Indeno(1,2,3-cd)pyrene, Isophorone, N-Nitroso-di-n-propylamine, Naphthalene, Nitrobenzene, Pentachlorophenol, Phenanthrene, Phenol, Pyrene are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 2,4-Dinitrophenol, 4,6-Dinitro-o-cresol, Benzidine, Hexachloroethane are outside control limits. Probable cause due to matrix interference. See Blank Spike.

RPD(s) for MSD for 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Nitroaniline, 3,3'-Dichlorobenzidine, 3-Nitroaniline, 4-Bromophenyl phenyl ether, 4-Chloro-3-methyl phenol, 4-Chlorophenyl phenyl ether, 4-Nitroaniline, 4-Nitrophenol, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, bis(2-Ethylhexyl)phthalate, Butyl benzyl phthalate, Chrysene, Di-n-butyl phthalate, Di-n-octyl phthalate, Dibenzo(a,h)anthracene, Dibenzofuran, Diethyl phthalate, Dimethyl phthalate, Fluoranthene, Fluorene, Hexachlorobenzene, Indeno(1,2,3-cd)pyrene, N-Nitrosodiphenylamine, Pentachlorophenol, Phenanthrene are outside control limits for sample OP20671-MSD. Probable cause due to sample homogeneity.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GCD3194

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49416-2MS, F49416-2MSD were used as the QC samples indicated.

Sample(s) F49392-2, F49392-5, F49392-9 have surrogates outside control limits. Probable cause due to matrix interference.

F49392-2: Confirmation run.

F49392-9: Confirmation run.

F49392-5: Confirmation run.

F49392-5 for 4-Bromofluorobenzene: Outside control limits due to matrix interference. Confirmed by reanalysis.

F49392-5 for 4-Bromofluorobenzene: Result reported from PID.

F49392-9 for 4-Bromofluorobenzene: Outside control limits due to matrix interference. Confirmed by reanalysis.

F49392-2 for 4-Bromofluorobenzene: Outside control limits due to matrix interference. Confirmed by reanalysis.

Matrix: SO **Batch ID:** GCD3197

All samples were analyzed within the recommended method holding time.

Sample(s) F49416-5MS, F49416-5MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Sample(s) F49392-2, F49392-5, F49392-9 have surrogates outside control limits. Probable cause due to matrix interference.

F49392-5 for 4-Bromofluorobenzene: Outside control limits due to matrix interference. Confirmed by reanalysis.

F49392-5 for 4-Bromofluorobenzene: Result reported from PID.

F49392-9 for 4-Bromofluorobenzene: Outside control limits due to matrix interference. Confirmed by reanalysis.

F49392-2 for 4-Bromofluorobenzene: Outside control limits due to matrix interference. Confirmed by reanalysis.

Extractables by GC By Method SW846 8015 M

Matrix: SO **Batch ID:** OP20658

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F49392-6MS, F49392-6MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Matrix Spike Duplicate Recovery(s) for TPH (C10-C22) are outside control limits. Probable cause due to matrix interference.

Metals By Method SW846 6010B

Matrix: SO **Batch ID:** MP12008

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49392-1DUP, F49392-1MS, F49392-1MSD, F49392-1SDL were used as the QC samples for metals.

RPD(s) for Duplicate for Silver are outside control limits for sample MP12008-D1. RPD acceptable due to low duplicate and sample concentrations.

RPD(s) for Serial Dilution for Cadmium are outside control limits for sample MP12008-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Metals By Method SW846 7471A

Matrix: SO **Batch ID:** MP11962

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49392-1DUP, F49392-1MS, F49392-1MSD, F49392-1SDL were used as the QC samples for metals.

Wet Chemistry By Method EPA 160.3 M

Matrix: SO **Batch ID:** GN25438

Sample(s) F49392-1DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision,

accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____

Svetlana Izosimova, QAO (signature on file)

Date: May 25, 2007

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-DP62 13'		
Lab Sample ID:	F49392-1	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.5
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F021325.D	1	05/18/07	WJ	05/10/07 08:45	n/a	VF364
Run #2							

	Initial Weight
Run #1	6.01 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	49	24	ug/kg	
75-05-8	Acetonitrile	ND	49	34	ug/kg	
107-02-8	Acrolein	ND	24	15	ug/kg	
107-13-1	Acrylonitrile	ND	24	12	ug/kg	
107-05-1	Allyl chloride	ND	24	4.9	ug/kg	
71-43-2	Benzene	ND	4.9	1.9	ug/kg	
100-44-7	Benzyl Chloride	ND	4.9	2.9	ug/kg	
108-86-1	Bromobenzene	ND	4.9	1.9	ug/kg	
74-97-5	Bromochloromethane	ND	4.9	1.9	ug/kg	
75-27-4	Bromodichloromethane	ND	4.9	1.9	ug/kg	
75-25-2	Bromoform	ND	4.9	1.9	ug/kg	
104-51-8	n-Butylbenzene	ND	4.9	2.9	ug/kg	
135-98-8	sec-Butylbenzene	ND	4.9	1.9	ug/kg	
98-06-6	tert-Butylbenzene	ND	4.9	1.9	ug/kg	
108-90-7	Chlorobenzene	ND	4.9	1.9	ug/kg	
75-00-3	Chloroethane	ND	4.9	2.9	ug/kg	
67-66-3	Chloroform	ND	4.9	1.9	ug/kg	
544-10-5	1-Chlorohexane	ND	4.9	1.9	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.9	1.9	ug/kg	
106-43-4	p-Chlorotoluene	ND	4.9	1.9	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	24	12	ug/kg	
75-15-0	Carbon disulfide	ND	4.9	1.9	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.9	1.9	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.9	1.9	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.9	1.9	ug/kg	
563-58-6	1,1-Dichloropropene	ND	4.9	1.9	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.9	2.9	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4.9	1.9	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.9	1.9	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.9	1.9	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4.9	1.9	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4.9	1.9	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP62 13'		
Lab Sample ID:	F49392-1	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.5
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	4.9	1.9	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.9	2.9	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.9	1.9	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.9	1.9	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	24	4.9	ug/kg	
541-73-1	m-Dichlorobenzene	ND	4.9	1.9	ug/kg	
95-50-1	o-Dichlorobenzene	ND	4.9	1.9	ug/kg	
106-46-7	p-Dichlorobenzene	ND	4.9	1.9	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	4.9	1.9	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.9	1.9	ug/kg	
100-41-4	Ethylbenzene	ND	4.9	1.9	ug/kg	
97-63-2	Ethyl methacrylate	ND	24	4.9	ug/kg	
76-13-1	Freon 113	ND	4.9	1.9	ug/kg	
591-78-6	2-Hexanone	ND	24	9.7	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.9	1.9	ug/kg	
110-54-3	Hexane	ND	4.9	2.9	ug/kg	
98-82-8	Isopropylbenzene	ND	4.9	1.9	ug/kg	
99-87-6	p-Isopropyltoluene	ND	4.9	1.9	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	24	9.7	ug/kg	
126-98-7	Methacrylonitrile	ND	24	9.7	ug/kg	
74-83-9	Methyl bromide	ND	4.9	1.9	ug/kg	
74-87-3	Methyl chloride	ND	4.9	1.9	ug/kg	
74-88-4	Methyl iodide	ND	9.7	1.9	ug/kg	
80-62-6	Methyl methacrylate	ND	24	4.9	ug/kg	
74-95-3	Methylene bromide	ND	4.9	1.9	ug/kg	
75-09-2	Methylene chloride	ND	9.7	4.9	ug/kg	
78-93-3	Methyl ethyl ketone	ND	24	9.7	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.9	1.9	ug/kg	
91-20-3	Naphthalene	ND	4.9	1.9	ug/kg	
76-01-7	Pentachloroethane	ND	24	4.9	ug/kg	
107-12-0	Propionitrile	ND	49	9.7	ug/kg	
103-65-1	n-Propylbenzene	ND	4.9	1.9	ug/kg	
100-42-5	Styrene	ND	4.9	1.9	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.9	1.9	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.9	1.9	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.9	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.9	1.9	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.9	1.9	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.9	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	1.9	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP62 13'		
Lab Sample ID:	F49392-1	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.5
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	4.9	2.9	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.9	1.9	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.9	1.9	ug/kg	
108-88-3	Toluene	ND	4.9	1.9	ug/kg	
79-01-6	Trichloroethylene	ND	4.9	1.9	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.9	1.9	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	24	9.7	ug/kg	
75-01-4	Vinyl chloride	ND	4.9	1.9	ug/kg	
108-05-4	Vinyl Acetate	ND	24	9.7	ug/kg	
	m,p-Xylene	ND	9.7	2.9	ug/kg	
95-47-6	o-Xylene	ND	4.9	1.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-121%
2037-26-5	Toluene-D8	97%		71-130%
460-00-4	4-Bromofluorobenzene	100%		59-148%
17060-07-0	1,2-Dichloroethane-D4	112%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP62 13'		
Lab Sample ID:	F49392-1	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	85.5
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U002188.D	1	05/22/07	NJ	05/21/07	OP20671	SU110
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	970	390	ug/kg	
95-57-8	2-Chlorophenol	ND	190	39	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	39	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	39	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	39	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	970	390	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	390	78	ug/kg	
95-48-7	2-Methylphenol	ND	190	39	ug/kg	
	3&4-Methylphenol	ND	190	39	ug/kg	
88-75-5	2-Nitrophenol	ND	190	39	ug/kg	
100-02-7	4-Nitrophenol	ND	970	390	ug/kg	
87-86-5	Pentachlorophenol	ND	970	390	ug/kg	
108-95-2	Phenol	ND	190	39	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	39	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	39	ug/kg	
83-32-9	Acenaphthene	ND	190	39	ug/kg	
208-96-8	Acenaphthylene	ND	190	39	ug/kg	
120-12-7	Anthracene	ND	190	39	ug/kg	
92-87-5	Benzidine	ND	1900	970	ug/kg	
56-55-3	Benzo(a)anthracene	ND	190	39	ug/kg	
50-32-8	Benzo(a)pyrene	ND	190	39	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	190	39	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	190	78	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	190	39	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	190	39	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	390	97	ug/kg	
100-51-6	Benzyl Alcohol	ND	190	39	ug/kg	
91-58-7	2-Chloronaphthalene	ND	190	39	ug/kg	
106-47-8	4-Chloroaniline	ND	390	160	ug/kg	
218-01-9	Chrysene	ND	190	39	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	190	39	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	190	78	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP62 13'		
Lab Sample ID:	F49392-1	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	85.5
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	190	39	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	190	39	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	190	39	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	190	39	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	190	39	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	190	78	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	190	78	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	390	190	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	190	78	ug/kg	
132-64-9	Dibenzofuran	ND	190	39	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	390	97	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	390	190	ug/kg	
84-66-2	Diethyl phthalate	ND	390	97	ug/kg	
131-11-3	Dimethyl phthalate	ND	390	97	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	390	190	ug/kg	
206-44-0	Fluoranthene	ND	190	39	ug/kg	
86-73-7	Fluorene	ND	190	39	ug/kg	
118-74-1	Hexachlorobenzene	ND	190	39	ug/kg	
87-68-3	Hexachlorobutadiene	ND	190	78	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	190	78	ug/kg	
67-72-1	Hexachloroethane	ND	190	78	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	190	78	ug/kg	
78-59-1	Isophorone	ND	190	39	ug/kg	
91-57-6	2-Methylnaphthalene	ND	190	39	ug/kg	
88-74-4	2-Nitroaniline	ND	390	97	ug/kg	
99-09-2	3-Nitroaniline	ND	390	97	ug/kg	
100-01-6	4-Nitroaniline	ND	390	140	ug/kg	
91-20-3	Naphthalene	ND	190	39	ug/kg	
98-95-3	Nitrobenzene	ND	190	39	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	190	78	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	39	ug/kg	
85-01-8	Phenanthrene	ND	190	39	ug/kg	
129-00-0	Pyrene	ND	190	78	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	190	39	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	54%		40-102%
4165-62-2	Phenol-d5	56%		41-100%
118-79-6	2,4,6-Tribromophenol	59%		42-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP62 13'		
Lab Sample ID:	F49392-1	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	85.5
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	54%		40-105%
321-60-8	2-Fluorobiphenyl	53%		43-107%
1718-51-0	Terphenyl-d14	67%		45-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP62 13'		
Lab Sample ID:	F49392-1	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	85.5
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD077057.D	1	05/16/07	MM	05/10/07 08:45	n/a	GCD3194
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.27 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.4	3.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	83%		56-136%
98-08-8	aaa-Trifluorotoluene	83%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP62 13'		
Lab Sample ID:	F49392-1	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	85.5
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02469.D	1	05/22/07	MG	05/21/07	OP20658	GYY96
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.7	5.8	mg/kg	
	TPH (> C22-C36)	ND	9.7	5.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	76%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SS61-DP62 13'
Lab Sample ID: F49392-1
Matrix: SO - Soil
Project: HOLMN

Date Sampled: 05/08/07
Date Received: 05/09/07
Percent Solids: 85.5

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	1.0	0.45	0.22	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Barium	62.0	11	0.28	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Cadmium	0.40	0.23	0.057	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Chromium	9.7	0.57	0.051	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Lead	2.8 J	5.7	0.11	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.0078 U	0.097	0.0078	mg/kg	1	05/12/07	05/12/07	MS	SW846 7471A [1]	SW846 7471A [3]
Selenium	0.11 U	5.7	0.11	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Silver	0.051 U	0.57	0.051	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA5706
(2) Instrument QC Batch: MA5725
(3) Prep QC Batch: MP11962
(4) Prep QC Batch: MP12008

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-DP62 21'		
Lab Sample ID:	F49392-2	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.9
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F021353.D	1	05/19/07	WJ	05/10/07 08:45	n/a	VF365
Run #2	H043727.D	1	05/21/07	WJ	05/10/07 08:45	n/a	VH1631

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.85 g	5.0 ml	100 ul
Run #2	5.85 g	5.0 ml	10.0 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	2900	1400	ug/kg	
75-05-8	Acetonitrile	ND	2900	2000	ug/kg	
107-02-8	Acrolein	ND	1400	870	ug/kg	
107-13-1	Acrylonitrile	ND	1400	720	ug/kg	
107-05-1	Allyl chloride	ND	1400	290	ug/kg	
71-43-2	Benzene	908	290	120	ug/kg	
100-44-7	Benzyl Chloride	ND	290	170	ug/kg	
108-86-1	Bromobenzene	ND	290	120	ug/kg	
74-97-5	Bromochloromethane	ND	290	120	ug/kg	
75-27-4	Bromodichloromethane	ND	290	120	ug/kg	
75-25-2	Bromoform	ND	290	120	ug/kg	
104-51-8	n-Butylbenzene	ND	290	170	ug/kg	
135-98-8	sec-Butylbenzene	1020	290	120	ug/kg	
98-06-6	tert-Butylbenzene	408	290	120	ug/kg	
108-90-7	Chlorobenzene	ND	290	120	ug/kg	
75-00-3	Chloroethane	ND	290	170	ug/kg	
67-66-3	Chloroform	ND	290	120	ug/kg	
544-10-5	1-Chlorohexane	ND	290	120	ug/kg	
95-49-8	o-Chlorotoluene	ND	290	120	ug/kg	
106-43-4	p-Chlorotoluene	ND	290	120	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1400	720	ug/kg	
75-15-0	Carbon disulfide	ND	290	120	ug/kg	
56-23-5	Carbon tetrachloride	ND	290	120	ug/kg	
75-34-3	1,1-Dichloroethane	ND	290	120	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	290	120	ug/kg	
563-58-6	1,1-Dichloropropene	ND	290	120	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	290	170	ug/kg	
106-93-4	1,2-Dibromoethane	ND	290	120	ug/kg	
107-06-2	1,2-Dichloroethane	ND	290	120	ug/kg	
78-87-5	1,2-Dichloropropane	ND	290	120	ug/kg	
142-28-9	1,3-Dichloropropane	ND	290	120	ug/kg	
594-20-7	2,2-Dichloropropane	ND	290	120	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP62 21'		
Lab Sample ID:	F49392-2	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.9
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	290	120	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	290	170	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	290	120	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	290	120	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	1400	290	ug/kg	
541-73-1	m-Dichlorobenzene	ND	290	120	ug/kg	
95-50-1	o-Dichlorobenzene	ND	290	120	ug/kg	
106-46-7	p-Dichlorobenzene	ND	290	120	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	290	120	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	290	120	ug/kg	
100-41-4	Ethylbenzene	6200	290	120	ug/kg	
97-63-2	Ethyl methacrylate	ND	1400	290	ug/kg	
76-13-1	Freon 113	ND	290	120	ug/kg	
591-78-6	2-Hexanone	ND	1400	580	ug/kg	
87-68-3	Hexachlorobutadiene	ND	290	120	ug/kg	
110-54-3	Hexane	ND	290	170	ug/kg	
98-82-8	Isopropylbenzene	57300 [a]	2900	640	ug/kg	
99-87-6	p-Isopropyltoluene	ND	290	120	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1400	580	ug/kg	
126-98-7	Methacrylonitrile	ND	1400	580	ug/kg	
74-83-9	Methyl bromide	ND	290	120	ug/kg	
74-87-3	Methyl chloride	ND	290	120	ug/kg	
74-88-4	Methyl iodide	ND	580	120	ug/kg	
80-62-6	Methyl methacrylate	ND	1400	290	ug/kg	
74-95-3	Methylene bromide	ND	290	120	ug/kg	
75-09-2	Methylene chloride	ND	580	290	ug/kg	
78-93-3	Methyl ethyl ketone	ND	1400	580	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	290	120	ug/kg	
91-20-3	Naphthalene	ND	290	120	ug/kg	
76-01-7	Pentachloroethane	ND	1400	290	ug/kg	
107-12-0	Propionitrile	ND	2900	580	ug/kg	
103-65-1	n-Propylbenzene	2630	290	120	ug/kg	
100-42-5	Styrene	ND	290	120	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	290	120	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	290	120	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	290	120	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	290	120	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	290	120	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	290	140	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	290	120	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP62 21'		
Lab Sample ID:	F49392-2	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.9
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	290	170	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	290	120	ug/kg	
127-18-4	Tetrachloroethylene	ND	290	120	ug/kg	
108-88-3	Toluene	ND	290	120	ug/kg	
79-01-6	Trichloroethylene	ND	290	120	ug/kg	
75-69-4	Trichlorofluoromethane	ND	290	120	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	1400	580	ug/kg	
75-01-4	Vinyl chloride	ND	290	120	ug/kg	
108-05-4	Vinyl Acetate	ND	1400	580	ug/kg	
	m,p-Xylene	ND	580	170	ug/kg	
95-47-6	o-Xylene	ND	290	120	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%	103%	80-121%
2037-26-5	Toluene-D8	95%	95%	71-130%
460-00-4	4-Bromofluorobenzene	102%	95%	59-148%
17060-07-0	1,2-Dichloroethane-D4	80%	105%	77-123%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP62 21'		
Lab Sample ID:	F49392-2	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	85.9
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U002189.D	1	05/22/07	NJ	05/21/07	OP20671	SU110
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	950	380	ug/kg	
95-57-8	2-Chlorophenol	ND	190	38	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	38	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	38	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	38	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	950	380	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	380	76	ug/kg	
95-48-7	2-Methylphenol	ND	190	38	ug/kg	
	3&4-Methylphenol	ND	190	38	ug/kg	
88-75-5	2-Nitrophenol	ND	190	38	ug/kg	
100-02-7	4-Nitrophenol	ND	950	380	ug/kg	
87-86-5	Pentachlorophenol	ND	950	380	ug/kg	
108-95-2	Phenol	ND	190	38	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	38	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	38	ug/kg	
83-32-9	Acenaphthene	ND	190	38	ug/kg	
208-96-8	Acenaphthylene	ND	190	38	ug/kg	
120-12-7	Anthracene	ND	190	38	ug/kg	
92-87-5	Benzidine	ND	1900	950	ug/kg	
56-55-3	Benzo(a)anthracene	ND	190	38	ug/kg	
50-32-8	Benzo(a)pyrene	ND	190	38	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	190	38	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	190	76	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	190	38	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	190	38	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	380	95	ug/kg	
100-51-6	Benzyl Alcohol	ND	190	38	ug/kg	
91-58-7	2-Chloronaphthalene	ND	190	38	ug/kg	
106-47-8	4-Chloroaniline	ND	380	150	ug/kg	
218-01-9	Chrysene	ND	190	38	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	190	38	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	190	76	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP62 21'		
Lab Sample ID:	F49392-2	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	85.9
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	190	38	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	190	38	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	190	38	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	190	38	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	190	38	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	190	76	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	190	76	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	380	190	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	190	76	ug/kg	
132-64-9	Dibenzofuran	ND	190	38	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	380	95	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	380	190	ug/kg	
84-66-2	Diethyl phthalate	ND	380	95	ug/kg	
131-11-3	Dimethyl phthalate	ND	380	95	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	380	190	ug/kg	
206-44-0	Fluoranthene	ND	190	38	ug/kg	
86-73-7	Fluorene	ND	190	38	ug/kg	
118-74-1	Hexachlorobenzene	ND	190	38	ug/kg	
87-68-3	Hexachlorobutadiene	ND	190	76	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	190	76	ug/kg	
67-72-1	Hexachloroethane	ND	190	76	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	190	76	ug/kg	
78-59-1	Isophorone	ND	190	38	ug/kg	
91-57-6	2-Methylnaphthalene	ND	190	38	ug/kg	
88-74-4	2-Nitroaniline	ND	380	95	ug/kg	
99-09-2	3-Nitroaniline	ND	380	95	ug/kg	
100-01-6	4-Nitroaniline	ND	380	130	ug/kg	
91-20-3	Naphthalene	ND	190	38	ug/kg	
98-95-3	Nitrobenzene	ND	190	38	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	190	76	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	38	ug/kg	
85-01-8	Phenanthrene	ND	190	38	ug/kg	
129-00-0	Pyrene	ND	190	76	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	190	38	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	67%		40-102%
4165-62-2	Phenol-d5	69%		41-100%
118-79-6	2,4,6-Tribromophenol	69%		42-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP62 21'		
Lab Sample ID:	F49392-2	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	85.9
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	66%		40-105%
321-60-8	2-Fluorobiphenyl	65%		43-107%
1718-51-0	Terphenyl-d14	73%		45-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP62 21'		
Lab Sample ID:	F49392-2	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	85.9
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD077113.D	1	05/17/07	MM	05/10/07 08:45	n/a	GCD3197
Run #2 [a]	CD077058.D	1	05/16/07	MM	05/10/07 08:45	n/a	GCD3194

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.85 g	5.0 ml	3.0 ul
Run #2	5.85 g	5.0 ml	3.0 ul

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1130	190	97	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	416% [b]	349% [b]	56-136%
98-08-8	aaa-Trifluorotoluene	84%	88%	61-121%

(a) Confirmation run.
(b) Outside control limits due to matrix interference. Confirmed by reanalysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP62 21'		
Lab Sample ID:	F49392-2	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	85.9
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02470.D	1	05/22/07	MG	05/21/07	OP20658	GYY96
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.6	5.8	mg/kg	
	TPH (> C22-C36)	ND	9.6	5.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP62 21'		
Lab Sample ID:	F49392-2	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
		Percent Solids:	85.9
Project:	HOLMN		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.60	0.47	0.23	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Barium	99.9	12	0.29	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Cadmium	0.26	0.23	0.058	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Chromium	9.8	0.58	0.052	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Lead	3.9 J	5.8	0.12	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.0072 U	0.090	0.0072	mg/kg	1	05/12/07	05/12/07	MS	SW846 7471A [1]	SW846 7471A [3]
Selenium	0.12 U	5.8	0.12	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Silver	0.052 U	0.58	0.052	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA5706
(2) Instrument QC Batch: MA5725
(3) Prep QC Batch: MP11962
(4) Prep QC Batch: MP12008

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-DP62a 21'a		
Lab Sample ID:	F49392-3	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.0
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F021354.D	1	05/19/07	WJ	05/10/07 08:45	n/a	VF365
Run #2 [a]	F021441.D	1	05/23/07	WJ	05/10/07 08:45	n/a	VF368

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.86 g	5.0 ml	100 ul
Run #2	6.01 g	5.0 ml	20.0 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	2800	1400	ug/kg	
75-05-8	Acetonitrile	ND	2800	2000	ug/kg	
107-02-8	Acrolein	ND	1400	850	ug/kg	
107-13-1	Acrylonitrile	ND	1400	710	ug/kg	
107-05-1	Allyl chloride	ND	1400	280	ug/kg	
71-43-2	Benzene	448	280	110	ug/kg	
100-44-7	Benzyl Chloride	ND	280	170	ug/kg	
108-86-1	Bromobenzene	ND	280	110	ug/kg	
74-97-5	Bromochloromethane	ND	280	110	ug/kg	
75-27-4	Bromodichloromethane	ND	280	110	ug/kg	
75-25-2	Bromoform	ND	280	110	ug/kg	
104-51-8	n-Butylbenzene	ND	280	170	ug/kg	
135-98-8	sec-Butylbenzene	201	280	110	ug/kg	J
98-06-6	tert-Butylbenzene	ND	280	110	ug/kg	
108-90-7	Chlorobenzene	ND	280	110	ug/kg	
75-00-3	Chloroethane	ND	280	170	ug/kg	
67-66-3	Chloroform	ND	280	110	ug/kg	
544-10-5	1-Chlorohexane	ND	280	110	ug/kg	
95-49-8	o-Chlorotoluene	ND	280	110	ug/kg	
106-43-4	p-Chlorotoluene	ND	280	110	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1400	710	ug/kg	
75-15-0	Carbon disulfide	ND	280	110	ug/kg	
56-23-5	Carbon tetrachloride	ND	280	110	ug/kg	
75-34-3	1,1-Dichloroethane	ND	280	110	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	280	110	ug/kg	
563-58-6	1,1-Dichloropropene	ND	280	110	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	280	170	ug/kg	
106-93-4	1,2-Dibromoethane	ND	280	110	ug/kg	
107-06-2	1,2-Dichloroethane	ND	280	110	ug/kg	
78-87-5	1,2-Dichloropropane	ND	280	110	ug/kg	
142-28-9	1,3-Dichloropropane	ND	280	110	ug/kg	
594-20-7	2,2-Dichloropropane	ND	280	110	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP62a 21'a		
Lab Sample ID:	F49392-3	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.0
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	280	110	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	280	170	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	280	110	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	280	110	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	1400	280	ug/kg	
541-73-1	m-Dichlorobenzene	ND	280	110	ug/kg	
95-50-1	o-Dichlorobenzene	ND	280	110	ug/kg	
106-46-7	p-Dichlorobenzene	ND	280	110	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	280	110	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	280	110	ug/kg	
100-41-4	Ethylbenzene	1180	280	110	ug/kg	
97-63-2	Ethyl methacrylate	ND	1400	280	ug/kg	
76-13-1	Freon 113	ND	280	110	ug/kg	
591-78-6	2-Hexanone	ND	1400	570	ug/kg	
87-68-3	Hexachlorobutadiene	ND	280	110	ug/kg	
110-54-3	Hexane [b]	375	280	170	ug/kg	J
98-82-8	Isopropylbenzene	39800 [c]	1400	550	ug/kg	
99-87-6	p-Isopropyltoluene	ND	280	110	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1400	570	ug/kg	
126-98-7	Methacrylonitrile	ND	1400	570	ug/kg	
74-83-9	Methyl bromide	ND	280	110	ug/kg	
74-87-3	Methyl chloride	ND	280	110	ug/kg	
74-88-4	Methyl iodide	ND	570	110	ug/kg	
80-62-6	Methyl methacrylate	ND	1400	280	ug/kg	
74-95-3	Methylene bromide	ND	280	110	ug/kg	
75-09-2	Methylene chloride	ND	570	280	ug/kg	
78-93-3	Methyl ethyl ketone	ND	1400	570	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	280	110	ug/kg	
91-20-3	Naphthalene	ND	280	110	ug/kg	
76-01-7	Pentachloroethane	ND	1400	280	ug/kg	
107-12-0	Propionitrile	ND	2800	570	ug/kg	
103-65-1	n-Propylbenzene	401	280	110	ug/kg	
100-42-5	Styrene	ND	280	110	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	280	110	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	280	110	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	280	110	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	280	110	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	280	110	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	280	140	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	280	110	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP62a 21'a		
Lab Sample ID:	F49392-3	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.0
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	280	170	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	280	110	ug/kg	
127-18-4	Tetrachloroethylene	ND	280	110	ug/kg	
108-88-3	Toluene	ND	280	110	ug/kg	
79-01-6	Trichloroethylene	ND	280	110	ug/kg	
75-69-4	Trichlorofluoromethane	ND	280	110	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	1400	570	ug/kg	
75-01-4	Vinyl chloride	ND	280	110	ug/kg	
108-05-4	Vinyl Acetate	ND	1400	570	ug/kg	
	m,p-Xylene	ND	570	170	ug/kg	
95-47-6	o-Xylene	ND	280	110	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%	103%	80-121%
2037-26-5	Toluene-D8	97%	94%	71-130%
460-00-4	4-Bromofluorobenzene	102%	130%	59-148%
17060-07-0	1,2-Dichloroethane-D4	77%	126% [d]	77-123%

(a) Sample re-analyzed beyond hold time; reported results are considered minimum values.
(b) CCV outside of control limits; results may be biased high.
(c) Result is from Run# 2
(d) Outside control limits due to matrix interference.

Report of Analysis

Client Sample ID:	SS61-DP62a 21'a		
Lab Sample ID:	F49392-3	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	87.0
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U002190.D	1	05/22/07	NJ	05/21/07	OP20671	SU110
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	940	370	ug/kg	
95-57-8	2-Chlorophenol	ND	190	37	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	37	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	37	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	37	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	940	370	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	370	75	ug/kg	
95-48-7	2-Methylphenol	ND	190	37	ug/kg	
	3&4-Methylphenol	ND	190	37	ug/kg	
88-75-5	2-Nitrophenol	ND	190	37	ug/kg	
100-02-7	4-Nitrophenol	ND	940	370	ug/kg	
87-86-5	Pentachlorophenol	ND	940	370	ug/kg	
108-95-2	Phenol	ND	190	37	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	37	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	37	ug/kg	
83-32-9	Acenaphthene	ND	190	37	ug/kg	
208-96-8	Acenaphthylene	ND	190	37	ug/kg	
120-12-7	Anthracene	ND	190	37	ug/kg	
92-87-5	Benzidine	ND	1900	940	ug/kg	
56-55-3	Benzo(a)anthracene	ND	190	37	ug/kg	
50-32-8	Benzo(a)pyrene	ND	190	37	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	190	37	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	190	75	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	190	37	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	190	37	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	370	94	ug/kg	
100-51-6	Benzyl Alcohol	ND	190	37	ug/kg	
91-58-7	2-Chloronaphthalene	ND	190	37	ug/kg	
106-47-8	4-Chloroaniline	ND	370	150	ug/kg	
218-01-9	Chrysene	ND	190	37	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	190	37	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	190	75	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP62a 21'a		
Lab Sample ID:	F49392-3	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	87.0
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	190	37	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	190	37	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	190	37	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	190	37	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	190	37	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	190	75	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	190	75	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	370	190	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	190	75	ug/kg	
132-64-9	Dibenzofuran	ND	190	37	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	370	94	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	370	190	ug/kg	
84-66-2	Diethyl phthalate	ND	370	94	ug/kg	
131-11-3	Dimethyl phthalate	ND	370	94	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	370	190	ug/kg	
206-44-0	Fluoranthene	ND	190	37	ug/kg	
86-73-7	Fluorene	ND	190	37	ug/kg	
118-74-1	Hexachlorobenzene	ND	190	37	ug/kg	
87-68-3	Hexachlorobutadiene	ND	190	75	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	190	75	ug/kg	
67-72-1	Hexachloroethane	ND	190	75	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	190	75	ug/kg	
78-59-1	Isophorone	ND	190	37	ug/kg	
91-57-6	2-Methylnaphthalene	ND	190	37	ug/kg	
88-74-4	2-Nitroaniline	ND	370	94	ug/kg	
99-09-2	3-Nitroaniline	ND	370	94	ug/kg	
100-01-6	4-Nitroaniline	ND	370	130	ug/kg	
91-20-3	Naphthalene	ND	190	37	ug/kg	
98-95-3	Nitrobenzene	ND	190	37	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	190	75	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	37	ug/kg	
85-01-8	Phenanthrene	ND	190	37	ug/kg	
129-00-0	Pyrene	ND	190	75	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	190	37	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	69%		40-102%
4165-62-2	Phenol-d5	72%		41-100%
118-79-6	2,4,6-Tribromophenol	73%		42-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP62a 21'a		
Lab Sample ID:	F49392-3	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	87.0
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	65%		40-105%
321-60-8	2-Fluorobiphenyl	66%		43-107%
1718-51-0	Terphenyl-d14	78%		45-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP62a 21'a		
Lab Sample ID:	F49392-3	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	87.0
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD077059.D	1	05/16/07	MM	05/10/07 08:45	n/a	GCD3194
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.86 g	5.0 ml	3.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	204	190	94	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	131%		56-136%
98-08-8	aaa-Trifluorotoluene	84%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP62a 21'a		
Lab Sample ID:	F49392-3	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	87.0
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02471.D	1	05/22/07	MG	05/21/07	OP20658	GYY96
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.5	5.7	mg/kg	
	TPH (> C22-C36)	ND	9.5	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	73%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP62a 21'a		
Lab Sample ID:	F49392-3	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
		Percent Solids:	87.0
Project:	HOLMN		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.82	0.46	0.22	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Barium	71.1	11	0.29	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Cadmium	0.24	0.23	0.057	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Chromium	5.6	0.57	0.052	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Lead	3.1 J	5.7	0.11	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.0075 U	0.094	0.0075	mg/kg	1	05/12/07	05/12/07	MS	SW846 7471A [1]	SW846 7471A [3]
Selenium	0.11 U	5.7	0.11	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Silver	0.052 U	0.57	0.052	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA5706
(2) Instrument QC Batch: MA5725
(3) Prep QC Batch: MP11962
(4) Prep QC Batch: MP12008

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-DP63 15'		
Lab Sample ID:	F49392-4	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.7
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F021348.D	1	05/19/07	WJ	05/10/07 08:45	n/a	VF365
Run #2							

	Initial Weight
Run #1	5.08 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	70.7	58	29	ug/kg	J
75-05-8	Acetonitrile	ND	58	41	ug/kg	
107-02-8	Acrolein	ND	29	17	ug/kg	
107-13-1	Acrylonitrile	ND	29	15	ug/kg	
107-05-1	Allyl chloride	ND	29	5.8	ug/kg	
71-43-2	Benzene	3.8	5.8	2.3	ug/kg	J
100-44-7	Benzyl Chloride	ND	5.8	3.5	ug/kg	
108-86-1	Bromobenzene	ND	5.8	2.3	ug/kg	
74-97-5	Bromochloromethane	ND	5.8	2.3	ug/kg	
75-27-4	Bromodichloromethane	ND	5.8	2.3	ug/kg	
75-25-2	Bromoform	ND	5.8	2.3	ug/kg	
104-51-8	n-Butylbenzene	ND	5.8	3.5	ug/kg	
135-98-8	sec-Butylbenzene	181	5.8	2.3	ug/kg	
98-06-6	tert-Butylbenzene	63.8	5.8	2.3	ug/kg	
108-90-7	Chlorobenzene	ND	5.8	2.3	ug/kg	
75-00-3	Chloroethane	ND	5.8	3.5	ug/kg	
67-66-3	Chloroform	ND	5.8	2.3	ug/kg	
544-10-5	1-Chlorohexane	ND	5.8	2.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.8	2.3	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.8	2.3	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	29	15	ug/kg	
75-15-0	Carbon disulfide	ND	5.8	2.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.8	2.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.8	2.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.8	2.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.8	2.3	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.8	3.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.8	2.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.8	2.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.8	2.3	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.8	2.3	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.8	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP63 15'		
Lab Sample ID:	F49392-4	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.7
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.8	2.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.8	3.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.8	2.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.8	2.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	29	5.8	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.8	2.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.8	2.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.8	2.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.8	2.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.8	2.3	ug/kg	
100-41-4	Ethylbenzene	ND	5.8	2.3	ug/kg	
97-63-2	Ethyl methacrylate	ND	29	5.8	ug/kg	
76-13-1	Freon 113	ND	5.8	2.3	ug/kg	
591-78-6	2-Hexanone	ND	29	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.8	2.3	ug/kg	
110-54-3	Hexane	ND	5.8	3.5	ug/kg	
98-82-8	Isopropylbenzene	135	5.8	2.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.8	2.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	29	12	ug/kg	
126-98-7	Methacrylonitrile	ND	29	12	ug/kg	
74-83-9	Methyl bromide	ND	5.8	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.8	2.3	ug/kg	
74-88-4	Methyl iodide	ND	12	2.3	ug/kg	
80-62-6	Methyl methacrylate	ND	29	5.8	ug/kg	
74-95-3	Methylene bromide	ND	5.8	2.3	ug/kg	
75-09-2	Methylene chloride	ND	12	5.8	ug/kg	
78-93-3	Methyl ethyl ketone	ND	29	12	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.8	2.3	ug/kg	
91-20-3	Naphthalene	ND	5.8	2.3	ug/kg	
76-01-7	Pentachloroethane	ND	29	5.8	ug/kg	
107-12-0	Propionitrile	ND	58	12	ug/kg	
103-65-1	n-Propylbenzene	7.7	5.8	2.3	ug/kg	
100-42-5	Styrene	ND	5.8	2.3	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.8	2.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.8	2.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.8	2.3	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.8	2.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.8	2.3	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.8	2.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.8	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP63 15'		
Lab Sample ID:	F49392-4	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.7
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.8	3.5	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.8	2.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.8	2.3	ug/kg	
108-88-3	Toluene	ND	5.8	2.3	ug/kg	
79-01-6	Trichloroethylene	ND	5.8	2.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.8	2.3	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	29	12	ug/kg	
75-01-4	Vinyl chloride	ND	5.8	2.3	ug/kg	
108-05-4	Vinyl Acetate	ND	29	12	ug/kg	
	m,p-Xylene	ND	12	3.5	ug/kg	
95-47-6	o-Xylene	ND	5.8	2.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-121%
2037-26-5	Toluene-D8	96%		71-130%
460-00-4	4-Bromofluorobenzene	100%		59-148%
17060-07-0	1,2-Dichloroethane-D4	84%		77-123%

(a) CCV outside of control limits; results may be biased high.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP63 15'		
Lab Sample ID:	F49392-4	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	84.7
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U002191.D	1	05/22/07	NJ	05/21/07	OP20671	SU110
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	970	390	ug/kg	
95-57-8	2-Chlorophenol	ND	190	39	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	39	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	39	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	39	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	970	390	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	390	77	ug/kg	
95-48-7	2-Methylphenol	ND	190	39	ug/kg	
	3&4-Methylphenol	ND	190	39	ug/kg	
88-75-5	2-Nitrophenol	ND	190	39	ug/kg	
100-02-7	4-Nitrophenol	ND	970	390	ug/kg	
87-86-5	Pentachlorophenol	ND	970	390	ug/kg	
108-95-2	Phenol	ND	190	39	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	39	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	39	ug/kg	
83-32-9	Acenaphthene	ND	190	39	ug/kg	
208-96-8	Acenaphthylene	ND	190	39	ug/kg	
120-12-7	Anthracene	ND	190	39	ug/kg	
92-87-5	Benzidine	ND	1900	970	ug/kg	
56-55-3	Benzo(a)anthracene	ND	190	39	ug/kg	
50-32-8	Benzo(a)pyrene	ND	190	39	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	190	39	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	190	77	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	190	39	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	190	39	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	390	97	ug/kg	
100-51-6	Benzyl Alcohol	ND	190	39	ug/kg	
91-58-7	2-Chloronaphthalene	ND	190	39	ug/kg	
106-47-8	4-Chloroaniline	ND	390	150	ug/kg	
218-01-9	Chrysene	ND	190	39	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	190	39	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	190	77	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP63 15'		
Lab Sample ID:	F49392-4	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	84.7
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	190	39	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	190	39	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	190	39	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	190	39	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	190	39	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	190	77	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	190	77	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	390	190	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	190	77	ug/kg	
132-64-9	Dibenzofuran	ND	190	39	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	390	97	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	390	190	ug/kg	
84-66-2	Diethyl phthalate	ND	390	97	ug/kg	
131-11-3	Dimethyl phthalate	ND	390	97	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	390	190	ug/kg	
206-44-0	Fluoranthene	ND	190	39	ug/kg	
86-73-7	Fluorene	ND	190	39	ug/kg	
118-74-1	Hexachlorobenzene	ND	190	39	ug/kg	
87-68-3	Hexachlorobutadiene	ND	190	77	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	190	77	ug/kg	
67-72-1	Hexachloroethane	ND	190	77	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	190	77	ug/kg	
78-59-1	Isophorone	ND	190	39	ug/kg	
91-57-6	2-Methylnaphthalene	ND	190	39	ug/kg	
88-74-4	2-Nitroaniline	ND	390	97	ug/kg	
99-09-2	3-Nitroaniline	ND	390	97	ug/kg	
100-01-6	4-Nitroaniline	ND	390	140	ug/kg	
91-20-3	Naphthalene	ND	190	39	ug/kg	
98-95-3	Nitrobenzene	ND	190	39	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	190	77	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	39	ug/kg	
85-01-8	Phenanthrene	ND	190	39	ug/kg	
129-00-0	Pyrene	ND	190	77	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	190	39	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	61%		40-102%
4165-62-2	Phenol-d5	63%		41-100%
118-79-6	2,4,6-Tribromophenol	64%		42-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP63 15'		
Lab Sample ID:	F49392-4	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	84.7
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	59%		40-105%
321-60-8	2-Fluorobiphenyl	60%		43-107%
1718-51-0	Terphenyl-d14	72%		45-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP63 15'		
Lab Sample ID:	F49392-4	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	84.7
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD077060.D	1	05/16/07	MM	05/10/07 08:45	n/a	GCD3194
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.25 g	5.0 ml	3.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	518	220	110	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	85%		56-136%
98-08-8	aaa-Trifluorotoluene	83%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP63 15'		
Lab Sample ID:	F49392-4	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	84.7
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02472.D	1	05/22/07	MG	05/21/07	OP20658	GYY96
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.8	5.9	mg/kg	
	TPH (> C22-C36)	ND	9.8	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	69%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP63 15'		
Lab Sample ID:	F49392-4	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
		Percent Solids:	84.7
Project:	HOLMN		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.56	0.47	0.23	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Barium	42.1	12	0.30	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Cadmium	0.14 J	0.24	0.059	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Chromium	4.6	0.59	0.053	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Lead	2.4 J	5.9	0.12	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.0073 U	0.091	0.0073	mg/kg	1	05/12/07	05/12/07	MS	SW846 7471A [1]	SW846 7471A [3]
Selenium	0.12 U	5.9	0.12	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Silver	0.053 U	0.59	0.053	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA5706
(2) Instrument QC Batch: MA5725
(3) Prep QC Batch: MP11962
(4) Prep QC Batch: MP12008

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-DP63 21		
Lab Sample ID:	F49392-5	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.9
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F021355.D	1	05/19/07	WJ	05/10/07 08:45	n/a	VF365
Run #2	H043729.D	1	05/21/07	WJ	05/10/07 08:45	n/a	VH1631

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.73 g	5.0 ml	100 ul
Run #2	5.73 g	5.0 ml	10.0 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3100	1500	ug/kg	
75-05-8	Acetonitrile	ND	3100	2200	ug/kg	
107-02-8	Acrolein	ND	1500	920	ug/kg	
107-13-1	Acrylonitrile	ND	1500	770	ug/kg	
107-05-1	Allyl chloride	ND	1500	310	ug/kg	
71-43-2	Benzene	4160	310	120	ug/kg	
100-44-7	Benzyl Chloride	ND	310	180	ug/kg	
108-86-1	Bromobenzene	ND	310	120	ug/kg	
74-97-5	Bromochloromethane	ND	310	120	ug/kg	
75-27-4	Bromodichloromethane	ND	310	120	ug/kg	
75-25-2	Bromoform	ND	310	120	ug/kg	
104-51-8	n-Butylbenzene	ND	310	180	ug/kg	
135-98-8	sec-Butylbenzene	740	310	120	ug/kg	
98-06-6	tert-Butylbenzene	ND	310	120	ug/kg	
108-90-7	Chlorobenzene	ND	310	120	ug/kg	
75-00-3	Chloroethane	ND	310	180	ug/kg	
67-66-3	Chloroform	ND	310	120	ug/kg	
544-10-5	1-Chlorohexane	ND	310	120	ug/kg	
95-49-8	o-Chlorotoluene	ND	310	120	ug/kg	
106-43-4	p-Chlorotoluene	ND	310	120	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1500	770	ug/kg	
75-15-0	Carbon disulfide	ND	310	120	ug/kg	
56-23-5	Carbon tetrachloride	ND	310	120	ug/kg	
75-34-3	1,1-Dichloroethane	ND	310	120	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	310	120	ug/kg	
563-58-6	1,1-Dichloropropene	ND	310	120	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	310	180	ug/kg	
106-93-4	1,2-Dibromoethane	ND	310	120	ug/kg	
107-06-2	1,2-Dichloroethane	ND	310	120	ug/kg	
78-87-5	1,2-Dichloropropane	ND	310	120	ug/kg	
142-28-9	1,3-Dichloropropane	ND	310	120	ug/kg	
594-20-7	2,2-Dichloropropane	ND	310	120	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP63 21		
Lab Sample ID:	F49392-5	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.9
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	310	120	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	310	180	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	310	120	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	310	120	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	1500	310	ug/kg	
541-73-1	m-Dichlorobenzene	ND	310	120	ug/kg	
95-50-1	o-Dichlorobenzene	ND	310	120	ug/kg	
106-46-7	p-Dichlorobenzene	ND	310	120	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	310	120	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	310	120	ug/kg	
100-41-4	Ethylbenzene	11000	310	120	ug/kg	
97-63-2	Ethyl methacrylate	ND	1500	310	ug/kg	
76-13-1	Freon 113	ND	310	120	ug/kg	
591-78-6	2-Hexanone	ND	1500	620	ug/kg	
87-68-3	Hexachlorobutadiene	ND	310	120	ug/kg	
110-54-3	Hexane	ND	310	180	ug/kg	
98-82-8	Isopropylbenzene	43300 [a]	3100	680	ug/kg	
99-87-6	p-Isopropyltoluene	ND	310	120	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1500	620	ug/kg	
126-98-7	Methacrylonitrile	ND	1500	620	ug/kg	
74-83-9	Methyl bromide	ND	310	120	ug/kg	
74-87-3	Methyl chloride	ND	310	120	ug/kg	
74-88-4	Methyl iodide	ND	620	120	ug/kg	
80-62-6	Methyl methacrylate	ND	1500	310	ug/kg	
74-95-3	Methylene bromide	ND	310	120	ug/kg	
75-09-2	Methylene chloride	ND	620	310	ug/kg	
78-93-3	Methyl ethyl ketone	ND	1500	620	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	310	120	ug/kg	
91-20-3	Naphthalene	ND	310	120	ug/kg	
76-01-7	Pentachloroethane	ND	1500	310	ug/kg	
107-12-0	Propionitrile	ND	3100	620	ug/kg	
103-65-1	n-Propylbenzene	2470	310	120	ug/kg	
100-42-5	Styrene	ND	310	120	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	310	120	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	310	120	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	310	120	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	310	120	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	310	120	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	310	150	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	310	120	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP63 21		
Lab Sample ID:	F49392-5	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.9
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	310	180	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	310	120	ug/kg	
127-18-4	Tetrachloroethylene	ND	310	120	ug/kg	
108-88-3	Toluene	ND	310	120	ug/kg	
79-01-6	Trichloroethylene	ND	310	120	ug/kg	
75-69-4	Trichlorofluoromethane	ND	310	120	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	1500	620	ug/kg	
75-01-4	Vinyl chloride	ND	310	120	ug/kg	
108-05-4	Vinyl Acetate	ND	1500	620	ug/kg	
	m,p-Xylene	ND	620	180	ug/kg	
95-47-6	o-Xylene	ND	310	120	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%	102%	80-121%
2037-26-5	Toluene-D8	99%	95%	71-130%
460-00-4	4-Bromofluorobenzene	105%	94%	59-148%
17060-07-0	1,2-Dichloroethane-D4	78%	104%	77-123%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP63 21		
Lab Sample ID:	F49392-5	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	83.9
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U002192.D	1	05/22/07	NJ	05/21/07	OP20671	SU110
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	980	390	ug/kg	
95-57-8	2-Chlorophenol	ND	200	39	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	200	39	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	200	39	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	200	39	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	980	390	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	390	79	ug/kg	
95-48-7	2-Methylphenol	ND	200	39	ug/kg	
	3&4-Methylphenol	ND	200	39	ug/kg	
88-75-5	2-Nitrophenol	ND	200	39	ug/kg	
100-02-7	4-Nitrophenol	ND	980	390	ug/kg	
87-86-5	Pentachlorophenol	ND	980	390	ug/kg	
108-95-2	Phenol	372	200	39	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	39	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	39	ug/kg	
83-32-9	Acenaphthene	ND	200	39	ug/kg	
208-96-8	Acenaphthylene	ND	200	39	ug/kg	
120-12-7	Anthracene	ND	200	39	ug/kg	
92-87-5	Benzidine	ND	2000	980	ug/kg	
56-55-3	Benzo(a)anthracene	ND	200	39	ug/kg	
50-32-8	Benzo(a)pyrene	ND	200	39	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	200	39	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	200	79	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	200	39	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	200	39	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	390	98	ug/kg	
100-51-6	Benzyl Alcohol	ND	200	39	ug/kg	
91-58-7	2-Chloronaphthalene	ND	200	39	ug/kg	
106-47-8	4-Chloroaniline	ND	390	160	ug/kg	
218-01-9	Chrysene	ND	200	39	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	200	39	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	200	79	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP63 21		
Lab Sample ID:	F49392-5	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	83.9
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	200	39	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	200	39	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	200	39	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	200	39	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	200	39	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	200	79	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	200	79	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	390	200	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	200	79	ug/kg	
132-64-9	Dibenzofuran	ND	200	39	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	390	98	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	390	200	ug/kg	
84-66-2	Diethyl phthalate	ND	390	98	ug/kg	
131-11-3	Dimethyl phthalate	ND	390	98	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	390	200	ug/kg	
206-44-0	Fluoranthene	ND	200	39	ug/kg	
86-73-7	Fluorene	ND	200	39	ug/kg	
118-74-1	Hexachlorobenzene	ND	200	39	ug/kg	
87-68-3	Hexachlorobutadiene	ND	200	79	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	200	79	ug/kg	
67-72-1	Hexachloroethane	ND	200	79	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	200	79	ug/kg	
78-59-1	Isophorone	ND	200	39	ug/kg	
91-57-6	2-Methylnaphthalene	ND	200	39	ug/kg	
88-74-4	2-Nitroaniline	ND	390	98	ug/kg	
99-09-2	3-Nitroaniline	ND	390	98	ug/kg	
100-01-6	4-Nitroaniline	ND	390	140	ug/kg	
91-20-3	Naphthalene	52.3	200	39	ug/kg	J
98-95-3	Nitrobenzene	ND	200	39	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	200	79	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	39	ug/kg	
85-01-8	Phenanthrene	ND	200	39	ug/kg	
129-00-0	Pyrene	ND	200	79	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	200	39	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	67%		40-102%
4165-62-2	Phenol-d5	70%		41-100%
118-79-6	2,4,6-Tribromophenol	66%		42-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP63 21		
Lab Sample ID:	F49392-5	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	83.9
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	64%		40-105%
321-60-8	2-Fluorobiphenyl	63%		43-107%
1718-51-0	Terphenyl-d14	69%		45-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP63 21		
Lab Sample ID:	F49392-5	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	83.9
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD077108.D	1	05/17/07	MM	05/10/07 08:45	n/a	GCD3197
Run #2 [a]	CD077061.D	1	05/16/07	MM	05/10/07 08:45	n/a	GCD3194

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.08 g	5.0 ml	5.0 ul
Run #2	5.08 g	5.0 ml	5.0 ul

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	392	140	68	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	130% [b]	133% [b]	56-136%
460-00-4	4-Bromofluorobenzene	176% [c]	192% [c]	56-136%
98-08-8	aaa-Trifluorotoluene	88%	86%	61-121%

(a) Confirmation run.
(b) Result reported from PID.
(c) Outside control limits due to matrix interference. Confirmed by reanalysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP63 21		
Lab Sample ID:	F49392-5	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	83.9
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02473.D	1	05/22/07	MG	05/21/07	OP20658	GYY96
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	7.91	9.9	5.9	mg/kg	J
	TPH (> C22-C36)	ND	9.9	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	71%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP63 21		
Lab Sample ID:	F49392-5	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
		Percent Solids:	83.9
Project:	HOLMN		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.92	0.46	0.22	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Barium	50.5	11	0.29	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Cadmium	0.35	0.23	0.057	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Chromium	8.8	0.57	0.052	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Lead	9.5	5.7	0.11	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.0067 U	0.084	0.0067	mg/kg	1	05/12/07	05/12/07	MS	SW846 7471A [1]	SW846 7471A [3]
Selenium	0.11 U	5.7	0.11	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Silver	0.052 U	0.57	0.052	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA5706
(2) Instrument QC Batch: MA5725
(3) Prep QC Batch: MP11962
(4) Prep QC Batch: MP12008

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-DP64 13'		
Lab Sample ID:	F49392-6	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.3
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F021349.D	1	05/19/07	WJ	05/10/07 09:11	n/a	VF365
Run #2 [a]	F021332.D	1	05/18/07	WJ	05/10/07 09:11	n/a	VF364

	Initial Weight
Run #1	5.65 g
Run #2	5.96 g

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	52	26	ug/kg	
75-05-8	Acetonitrile	ND	52	36	ug/kg	
107-02-8	Acrolein	ND	26	16	ug/kg	
107-13-1	Acrylonitrile	ND	26	13	ug/kg	
107-05-1	Allyl chloride	ND	26	5.2	ug/kg	
71-43-2	Benzene	ND	5.2	2.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.2	3.1	ug/kg	
108-86-1	Bromobenzene	ND	5.2	2.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.2	2.1	ug/kg	
75-27-4	Bromodichloromethane	ND	5.2	2.1	ug/kg	
75-25-2	Bromoform	ND	5.2	2.1	ug/kg	
104-51-8	n-Butylbenzene	ND	5.2	3.1	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.2	2.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.2	2.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.2	2.1	ug/kg	
75-00-3	Chloroethane	ND	5.2	3.1	ug/kg	
67-66-3	Chloroform	ND	5.2	2.1	ug/kg	
544-10-5	1-Chlorohexane	ND	5.2	2.1	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.2	2.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.2	2.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	26	13	ug/kg	
75-15-0	Carbon disulfide	ND	5.2	2.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.2	2.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.2	2.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.2	2.1	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.2	2.1	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.2	3.1	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.2	2.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.2	2.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.2	2.1	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.2	2.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.2	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP64 13'		
Lab Sample ID:	F49392-6	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.3
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.2	2.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.2	3.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.2	2.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.2	2.1	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	26	5.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.2	2.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.2	2.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.2	2.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.2	2.1	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.2	2.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.2	2.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	26	5.2	ug/kg	
76-13-1	Freon 113	ND	5.2	2.1	ug/kg	
591-78-6	2-Hexanone	ND	26	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.2	2.1	ug/kg	
110-54-3	Hexane	ND	5.2	3.1	ug/kg	
98-82-8	Isopropylbenzene	ND	5.2	2.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.2	2.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	26	10	ug/kg	
126-98-7	Methacrylonitrile	ND	26	10	ug/kg	
74-83-9	Methyl bromide	ND	5.2	2.1	ug/kg	
74-87-3	Methyl chloride	ND	5.2	2.1	ug/kg	
74-88-4	Methyl iodide	ND	10	2.1	ug/kg	
80-62-6	Methyl methacrylate	ND	26	5.2	ug/kg	
74-95-3	Methylene bromide	ND	5.2	2.1	ug/kg	
75-09-2	Methylene chloride	ND	10	5.2	ug/kg	
78-93-3	Methyl ethyl ketone	ND	26	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.2	2.1	ug/kg	
91-20-3	Naphthalene	ND	5.2	2.1	ug/kg	
76-01-7	Pentachloroethane	ND	26	5.2	ug/kg	
107-12-0	Propionitrile	ND	52	10	ug/kg	
103-65-1	n-Propylbenzene	ND	5.2	2.1	ug/kg	
100-42-5	Styrene	ND	5.2	2.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.2	2.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.2	2.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.2	2.1	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.2	2.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.2	2.1	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.2	2.6	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.2	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP64 13'		
Lab Sample ID:	F49392-6	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.3
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.2	3.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.2	2.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.2	2.1	ug/kg	
108-88-3	Toluene	ND	5.2	2.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.2	2.1	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.2	2.1	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	26	10	ug/kg	
75-01-4	Vinyl chloride	ND	5.2	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	26	10	ug/kg	
	m,p-Xylene	ND	10	3.1	ug/kg	
95-47-6	o-Xylene	ND	5.2	2.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	94%	80-121%
2037-26-5	Toluene-D8	95%	96%	71-130%
460-00-4	4-Bromofluorobenzene	105%	106%	59-148%
17060-07-0	1,2-Dichloroethane-D4	74% [b]	72%	77-123%

(a) Confirmation run.
(b) Outside control limits due to matrix interference. Confirmed by reanalysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP64 13'		
Lab Sample ID:	F49392-6	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	85.3
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U002193.D	1	05/22/07	NJ	05/21/07	OP20671	SU110
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	970	390	ug/kg	
95-57-8	2-Chlorophenol	ND	190	39	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	39	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	39	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	39	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	970	390	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	390	78	ug/kg	
95-48-7	2-Methylphenol	ND	190	39	ug/kg	
	3&4-Methylphenol	ND	190	39	ug/kg	
88-75-5	2-Nitrophenol	ND	190	39	ug/kg	
100-02-7	4-Nitrophenol	ND	970	390	ug/kg	
87-86-5	Pentachlorophenol	ND	970	390	ug/kg	
108-95-2	Phenol	ND	190	39	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	39	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	39	ug/kg	
83-32-9	Acenaphthene	ND	190	39	ug/kg	
208-96-8	Acenaphthylene	ND	190	39	ug/kg	
120-12-7	Anthracene	ND	190	39	ug/kg	
92-87-5	Benzidine	ND	1900	970	ug/kg	
56-55-3	Benzo(a)anthracene	ND	190	39	ug/kg	
50-32-8	Benzo(a)pyrene	ND	190	39	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	190	39	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	190	78	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	190	39	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	190	39	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	390	97	ug/kg	
100-51-6	Benzyl Alcohol	ND	190	39	ug/kg	
91-58-7	2-Chloronaphthalene	ND	190	39	ug/kg	
106-47-8	4-Chloroaniline	ND	390	160	ug/kg	
218-01-9	Chrysene	ND	190	39	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	190	39	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	190	78	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP64 13'		
Lab Sample ID:	F49392-6	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	85.3
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	190	39	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	190	39	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	190	39	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	190	39	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	190	39	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	190	78	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	190	78	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	390	190	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	190	78	ug/kg	
132-64-9	Dibenzofuran	ND	190	39	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	390	97	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	390	190	ug/kg	
84-66-2	Diethyl phthalate	ND	390	97	ug/kg	
131-11-3	Dimethyl phthalate	ND	390	97	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	390	190	ug/kg	
206-44-0	Fluoranthene	ND	190	39	ug/kg	
86-73-7	Fluorene	ND	190	39	ug/kg	
118-74-1	Hexachlorobenzene	ND	190	39	ug/kg	
87-68-3	Hexachlorobutadiene	ND	190	78	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	190	78	ug/kg	
67-72-1	Hexachloroethane	ND	190	78	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	190	78	ug/kg	
78-59-1	Isophorone	ND	190	39	ug/kg	
91-57-6	2-Methylnaphthalene	ND	190	39	ug/kg	
88-74-4	2-Nitroaniline	ND	390	97	ug/kg	
99-09-2	3-Nitroaniline	ND	390	97	ug/kg	
100-01-6	4-Nitroaniline	ND	390	140	ug/kg	
91-20-3	Naphthalene	ND	190	39	ug/kg	
98-95-3	Nitrobenzene	ND	190	39	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	190	78	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	39	ug/kg	
85-01-8	Phenanthrene	ND	190	39	ug/kg	
129-00-0	Pyrene	ND	190	78	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	190	39	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	68%		40-102%
4165-62-2	Phenol-d5	69%		41-100%
118-79-6	2,4,6-Tribromophenol	73%		42-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP64 13'		
Lab Sample ID:	F49392-6	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	85.3
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	66%		40-105%
321-60-8	2-Fluorobiphenyl	65%		43-107%
1718-51-0	Terphenyl-d14	80%		45-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP64 13'		
Lab Sample ID:	F49392-6	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	85.3
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD077062.D	1	05/16/07	MM	05/10/07 09:11	n/a	GCD3194
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.26 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.4	3.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	82%		56-136%
98-08-8	aaa-Trifluorotoluene	84%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP64 13'		
Lab Sample ID:	F49392-6	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	85.3
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02474.D	1	05/22/07	MG	05/21/07	OP20658	GYY96
Run #2							

	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.5	5.7	mg/kg	
	TPH (> C22-C36)	ND	9.5	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	73%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP64 13'		
Lab Sample ID:	F49392-6	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
		Percent Solids:	85.3
Project:	HOLMN		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	1.0	0.45	0.22	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Barium	63.6	11	0.28	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Cadmium	0.29	0.23	0.056	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Chromium	5.5	0.56	0.051	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Lead	1.6 J	5.6	0.11	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.0071 U	0.089	0.0071	mg/kg	1	05/12/07	05/12/07	MS	SW846 7471A [1]	SW846 7471A [3]
Selenium	0.11 U	5.6	0.11	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Silver	0.051 U	0.56	0.051	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA5706
(2) Instrument QC Batch: MA5725
(3) Prep QC Batch: MP11962
(4) Prep QC Batch: MP12008

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-DP64 24'		
Lab Sample ID:	F49392-7	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.7
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	F021384.D	1	05/21/07	WJ	05/10/07 09:11	n/a	VF366
Run #2	F021356.D	1	05/19/07	WJ	05/10/07 09:11	n/a	VF365

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.65 g		
Run #2	5.29 g	5.0 ml	100 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [b]	86.9	52	26	ug/kg	J
75-05-8	Acetonitrile	ND	52	36	ug/kg	
107-02-8	Acrolein	ND	26	15	ug/kg	
107-13-1	Acrylonitrile	ND	26	13	ug/kg	
107-05-1	Allyl chloride	ND	26	5.2	ug/kg	
71-43-2	Benzene	ND	5.2	2.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.2	3.1	ug/kg	
108-86-1	Bromobenzene	ND	5.2	2.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.2	2.1	ug/kg	
75-27-4	Bromodichloromethane	ND	5.2	2.1	ug/kg	
75-25-2	Bromoform	ND	5.2	2.1	ug/kg	
104-51-8	n-Butylbenzene	ND	5.2	3.1	ug/kg	
135-98-8	sec-Butylbenzene	98.7	5.2	2.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.2	2.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.2	2.1	ug/kg	
75-00-3	Chloroethane	ND	5.2	3.1	ug/kg	
67-66-3	Chloroform	ND	5.2	2.1	ug/kg	
544-10-5	1-Chlorohexane	ND	5.2	2.1	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.2	2.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.2	2.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	26	13	ug/kg	
75-15-0	Carbon disulfide [b]	2.2	5.2	2.1	ug/kg	J
56-23-5	Carbon tetrachloride	ND	5.2	2.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.2	2.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.2	2.1	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.2	2.1	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.2	3.1	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.2	2.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.2	2.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.2	2.1	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.2	2.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.2	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP64 24'		
Lab Sample ID:	F49392-7	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.7
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.2	2.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.2	3.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.2	2.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.2	2.1	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	26	5.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.2	2.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.2	2.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.2	2.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.2	2.1	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.2	2.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.2	2.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	26	5.2	ug/kg	
76-13-1	Freon 113	ND	5.2	2.1	ug/kg	
591-78-6	2-Hexanone	ND	26	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.2	2.1	ug/kg	
110-54-3	Hexane	ND	5.2	3.1	ug/kg	
98-82-8	Isopropylbenzene	188 [c]	320	130	ug/kg	J
99-87-6	p-Isopropyltoluene	ND	5.2	2.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	26	10	ug/kg	
126-98-7	Methacrylonitrile	ND	26	10	ug/kg	
74-83-9	Methyl bromide	ND	5.2	2.1	ug/kg	
74-87-3	Methyl chloride	ND	5.2	2.1	ug/kg	
74-88-4	Methyl iodide	ND	10	2.1	ug/kg	
80-62-6	Methyl methacrylate	ND	26	5.2	ug/kg	
74-95-3	Methylene bromide	ND	5.2	2.1	ug/kg	
75-09-2	Methylene chloride	ND	10	5.2	ug/kg	
78-93-3	Methyl ethyl ketone	ND	26	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.2	2.1	ug/kg	
91-20-3	Naphthalene	ND	5.2	2.1	ug/kg	
76-01-7	Pentachloroethane	ND	26	5.2	ug/kg	
107-12-0	Propionitrile	ND	52	10	ug/kg	
103-65-1	n-Propylbenzene	25.8	5.2	2.1	ug/kg	
100-42-5	Styrene	ND	5.2	2.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.2	2.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.2	2.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.2	2.1	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.2	2.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.2	2.1	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.2	2.6	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.2	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP64 24'		
Lab Sample ID:	F49392-7	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.7
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.2	3.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.2	2.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.2	2.1	ug/kg	
108-88-3	Toluene	ND	5.2	2.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.2	2.1	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.2	2.1	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	26	10	ug/kg	
75-01-4	Vinyl chloride	ND	5.2	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	26	10	ug/kg	
	m,p-Xylene	ND	10	3.1	ug/kg	
95-47-6	o-Xylene	ND	5.2	2.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%	97%	80-121%
2037-26-5	Toluene-D8	94%	93%	71-130%
460-00-4	4-Bromofluorobenzene	102%	107%	59-148%
17060-07-0	1,2-Dichloroethane-D4	103%	76%	77-123%

(a) En Core samples were not preserved within 48 hours.
(b) CCV outside of control limits; results may be biased high.
(c) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP64 24'		
Lab Sample ID:	F49392-7	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	85.7
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U002194.D	1	05/22/07	NJ	05/21/07	OP20671	SU110
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	960	390	ug/kg	
95-57-8	2-Chlorophenol	ND	190	39	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	39	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	39	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	39	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	960	390	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	390	77	ug/kg	
95-48-7	2-Methylphenol	ND	190	39	ug/kg	
	3&4-Methylphenol	ND	190	39	ug/kg	
88-75-5	2-Nitrophenol	ND	190	39	ug/kg	
100-02-7	4-Nitrophenol	ND	960	390	ug/kg	
87-86-5	Pentachlorophenol	ND	960	390	ug/kg	
108-95-2	Phenol	ND	190	39	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	39	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	39	ug/kg	
83-32-9	Acenaphthene	ND	190	39	ug/kg	
208-96-8	Acenaphthylene	ND	190	39	ug/kg	
120-12-7	Anthracene	ND	190	39	ug/kg	
92-87-5	Benzidine	ND	1900	960	ug/kg	
56-55-3	Benzo(a)anthracene	ND	190	39	ug/kg	
50-32-8	Benzo(a)pyrene	ND	190	39	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	190	39	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	190	77	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	190	39	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	190	39	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	390	96	ug/kg	
100-51-6	Benzyl Alcohol	ND	190	39	ug/kg	
91-58-7	2-Chloronaphthalene	ND	190	39	ug/kg	
106-47-8	4-Chloroaniline	ND	390	150	ug/kg	
218-01-9	Chrysene	ND	190	39	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	190	39	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	190	77	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP64 24'		
Lab Sample ID:	F49392-7	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	85.7
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	190	39	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	190	39	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	190	39	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	190	39	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	190	39	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	190	77	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	190	77	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	390	190	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	190	77	ug/kg	
132-64-9	Dibenzofuran	ND	190	39	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	390	96	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	390	190	ug/kg	
84-66-2	Diethyl phthalate	ND	390	96	ug/kg	
131-11-3	Dimethyl phthalate	ND	390	96	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	390	190	ug/kg	
206-44-0	Fluoranthene	ND	190	39	ug/kg	
86-73-7	Fluorene	ND	190	39	ug/kg	
118-74-1	Hexachlorobenzene	ND	190	39	ug/kg	
87-68-3	Hexachlorobutadiene	ND	190	77	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	190	77	ug/kg	
67-72-1	Hexachloroethane	ND	190	77	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	190	77	ug/kg	
78-59-1	Isophorone	ND	190	39	ug/kg	
91-57-6	2-Methylnaphthalene	ND	190	39	ug/kg	
88-74-4	2-Nitroaniline	ND	390	96	ug/kg	
99-09-2	3-Nitroaniline	ND	390	96	ug/kg	
100-01-6	4-Nitroaniline	ND	390	130	ug/kg	
91-20-3	Naphthalene	ND	190	39	ug/kg	
98-95-3	Nitrobenzene	ND	190	39	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	190	77	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	39	ug/kg	
85-01-8	Phenanthrene	ND	190	39	ug/kg	
129-00-0	Pyrene	ND	190	77	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	190	39	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	62%		40-102%
4165-62-2	Phenol-d5	64%		41-100%
118-79-6	2,4,6-Tribromophenol	67%		42-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP64 24'		
Lab Sample ID:	F49392-7	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	85.7
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	60%		40-105%
321-60-8	2-Fluorobiphenyl	60%		43-107%
1718-51-0	Terphenyl-d14	72%		45-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP64 24'		
Lab Sample ID:	F49392-7	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	85.7
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD077063.D	1	05/16/07	MM	05/10/07 09:11	n/a	GCD3194
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.29 g	5.0 ml	5.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	130	63	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	80%		56-136%
98-08-8	aaa-Trifluorotoluene	82%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP64 24'		
Lab Sample ID:	F49392-7	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	85.7
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02480.D	1	05/22/07	MG	05/21/07	OP20658	GYY96
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	12.0	9.6	5.7	mg/kg	
	TPH (> C22-C36)	ND	9.6	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SS61-DP64 24'
Lab Sample ID: F49392-7
Matrix: SO - Soil
Project: HOLMN

Date Sampled: 05/08/07
Date Received: 05/09/07
Percent Solids: 85.7

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.97	0.47	0.23	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Barium	65.0	12	0.29	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Cadmium	0.29	0.23	0.058	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Chromium	6.9	0.58	0.053	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Lead	2.9 J	5.8	0.12	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.0074 U	0.093	0.0074	mg/kg	1	05/12/07	05/12/07	MS	SW846 7471A [1]	SW846 7471A [3]
Selenium	0.12 U	5.8	0.12	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Silver	0.070 J	0.58	0.053	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA5706
(2) Instrument QC Batch: MA5725
(3) Prep QC Batch: MP11962
(4) Prep QC Batch: MP12008

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-DP61 17'		
Lab Sample ID:	F49392-8	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.9
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F021352.D	1	05/19/07	WJ	05/10/07 09:11	n/a	VF365
Run #2							

	Initial Weight
Run #1	5.39 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	111	55	28	ug/kg	J
75-05-8	Acetonitrile	ND	55	39	ug/kg	
107-02-8	Acrolein	ND	28	17	ug/kg	
107-13-1	Acrylonitrile	ND	28	14	ug/kg	
107-05-1	Allyl chloride	ND	28	5.5	ug/kg	
71-43-2	Benzene	ND	5.5	2.2	ug/kg	
100-44-7	Benzyl Chloride	ND	5.5	3.3	ug/kg	
108-86-1	Bromobenzene	ND	5.5	2.2	ug/kg	
74-97-5	Bromochloromethane	ND	5.5	2.2	ug/kg	
75-27-4	Bromodichloromethane	ND	5.5	2.2	ug/kg	
75-25-2	Bromoform	ND	5.5	2.2	ug/kg	
104-51-8	n-Butylbenzene	ND	5.5	3.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.5	2.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.5	2.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.5	2.2	ug/kg	
75-00-3	Chloroethane	ND	5.5	3.3	ug/kg	
67-66-3	Chloroform	ND	5.5	2.2	ug/kg	
544-10-5	1-Chlorohexane	ND	5.5	2.2	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.5	2.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.5	2.2	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	28	14	ug/kg	
75-15-0	Carbon disulfide	ND	5.5	2.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.5	2.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.5	2.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.5	2.2	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.5	2.2	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.5	3.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.5	2.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.5	2.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.5	2.2	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.5	2.2	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.5	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP61 17'		
Lab Sample ID:	F49392-8	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.9
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.5	2.2	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.5	3.3	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.5	2.2	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.5	2.2	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	28	5.5	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.5	2.2	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.5	2.2	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.5	2.2	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.5	2.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.5	2.2	ug/kg	
100-41-4	Ethylbenzene	ND	5.5	2.2	ug/kg	
97-63-2	Ethyl methacrylate	ND	28	5.5	ug/kg	
76-13-1	Freon 113	ND	5.5	2.2	ug/kg	
591-78-6	2-Hexanone	ND	28	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.5	2.2	ug/kg	
110-54-3	Hexane	ND	5.5	3.3	ug/kg	
98-82-8	Isopropylbenzene	ND	5.5	2.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.5	2.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	28	11	ug/kg	
126-98-7	Methacrylonitrile	ND	28	11	ug/kg	
74-83-9	Methyl bromide	ND	5.5	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.5	2.2	ug/kg	
74-88-4	Methyl iodide	ND	11	2.2	ug/kg	
80-62-6	Methyl methacrylate	ND	28	5.5	ug/kg	
74-95-3	Methylene bromide	ND	5.5	2.2	ug/kg	
75-09-2	Methylene chloride	ND	11	5.5	ug/kg	
78-93-3	Methyl ethyl ketone	ND	28	11	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.5	2.2	ug/kg	
91-20-3	Naphthalene	ND	5.5	2.2	ug/kg	
76-01-7	Pentachloroethane	ND	28	5.5	ug/kg	
107-12-0	Propionitrile	ND	55	11	ug/kg	
103-65-1	n-Propylbenzene	ND	5.5	2.2	ug/kg	
100-42-5	Styrene	ND	5.5	2.2	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.5	2.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.5	2.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.5	2.2	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.5	2.2	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.5	2.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.5	2.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.5	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP61 17'		
Lab Sample ID:	F49392-8	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.9
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.5	3.3	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.5	2.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.5	2.2	ug/kg	
108-88-3	Toluene	ND	5.5	2.2	ug/kg	
79-01-6	Trichloroethylene	ND	5.5	2.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.5	2.2	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	28	11	ug/kg	
75-01-4	Vinyl chloride	ND	5.5	2.2	ug/kg	
108-05-4	Vinyl Acetate	ND	28	11	ug/kg	
	m,p-Xylene	ND	11	3.3	ug/kg	
95-47-6	o-Xylene	ND	5.5	2.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		80-121%
2037-26-5	Toluene-D8	96%		71-130%
460-00-4	4-Bromofluorobenzene	101%		59-148%
17060-07-0	1,2-Dichloroethane-D4	83%		77-123%

(a) CCV outside of control limits; results may be biased high.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP61 17'		
Lab Sample ID:	F49392-8	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	83.9
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U002195.D	1	05/22/07	NJ	05/21/07	OP20671	SU110
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	980	390	ug/kg	
95-57-8	2-Chlorophenol	ND	200	39	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	200	39	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	200	39	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	200	39	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	980	390	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	390	78	ug/kg	
95-48-7	2-Methylphenol	ND	200	39	ug/kg	
	3&4-Methylphenol	ND	200	39	ug/kg	
88-75-5	2-Nitrophenol	ND	200	39	ug/kg	
100-02-7	4-Nitrophenol	ND	980	390	ug/kg	
87-86-5	Pentachlorophenol	ND	980	390	ug/kg	
108-95-2	Phenol	ND	200	39	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	39	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	39	ug/kg	
83-32-9	Acenaphthene	ND	200	39	ug/kg	
208-96-8	Acenaphthylene	ND	200	39	ug/kg	
120-12-7	Anthracene	ND	200	39	ug/kg	
92-87-5	Benzidine	ND	2000	980	ug/kg	
56-55-3	Benzo(a)anthracene	ND	200	39	ug/kg	
50-32-8	Benzo(a)pyrene	ND	200	39	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	200	39	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	200	78	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	200	39	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	200	39	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	390	98	ug/kg	
100-51-6	Benzyl Alcohol	ND	200	39	ug/kg	
91-58-7	2-Chloronaphthalene	ND	200	39	ug/kg	
106-47-8	4-Chloroaniline	ND	390	160	ug/kg	
218-01-9	Chrysene	ND	200	39	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	200	39	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	200	78	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP61 17'		
Lab Sample ID:	F49392-8	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	83.9
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	200	39	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	200	39	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	200	39	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	200	39	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	200	39	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	200	78	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	200	78	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	390	200	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	200	78	ug/kg	
132-64-9	Dibenzofuran	ND	200	39	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	390	98	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	390	200	ug/kg	
84-66-2	Diethyl phthalate	ND	390	98	ug/kg	
131-11-3	Dimethyl phthalate	ND	390	98	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	390	200	ug/kg	
206-44-0	Fluoranthene	ND	200	39	ug/kg	
86-73-7	Fluorene	ND	200	39	ug/kg	
118-74-1	Hexachlorobenzene	ND	200	39	ug/kg	
87-68-3	Hexachlorobutadiene	ND	200	78	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	200	78	ug/kg	
67-72-1	Hexachloroethane	ND	200	78	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	200	78	ug/kg	
78-59-1	Isophorone	ND	200	39	ug/kg	
91-57-6	2-Methylnaphthalene	ND	200	39	ug/kg	
88-74-4	2-Nitroaniline	ND	390	98	ug/kg	
99-09-2	3-Nitroaniline	ND	390	98	ug/kg	
100-01-6	4-Nitroaniline	ND	390	140	ug/kg	
91-20-3	Naphthalene	ND	200	39	ug/kg	
98-95-3	Nitrobenzene	ND	200	39	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	200	78	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	39	ug/kg	
85-01-8	Phenanthrene	ND	200	39	ug/kg	
129-00-0	Pyrene	ND	200	78	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	200	39	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	67%		40-102%
4165-62-2	Phenol-d5	68%		41-100%
118-79-6	2,4,6-Tribromophenol	67%		42-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP61 17'		
Lab Sample ID:	F49392-8	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	83.9
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	65%		40-105%
321-60-8	2-Fluorobiphenyl	65%		43-107%
1718-51-0	Terphenyl-d14	73%		45-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP61 17'		
Lab Sample ID:	F49392-8	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	83.9
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD077064.D	1	05/16/07	MM	05/10/07 09:11	n/a	GCD3194
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.63 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	4.07	6.3	3.1	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	82%		56-136%
98-08-8	aaa-Trifluorotoluene	87%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP61 17'		
Lab Sample ID:	F49392-8	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	83.9
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02481.D	1	05/22/07	MG	05/21/07	OP20658	GYY96
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.7	5.8	mg/kg	
	TPH (> C22-C36)	ND	9.7	5.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	81%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP61 17'		
Lab Sample ID:	F49392-8	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
		Percent Solids:	83.9
Project:	HOLMN		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.93	0.47	0.23	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Barium	129	12	0.29	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Cadmium	0.28	0.23	0.058	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Chromium	6.6	0.58	0.053	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Lead	2.9 J	5.8	0.12	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.0069 U	0.086	0.0069	mg/kg	1	05/12/07	05/12/07	MS	SW846 7471A [1]	SW846 7471A [3]
Selenium	0.12 U	5.8	0.12	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Silver	0.053 U	0.58	0.053	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA5706
(2) Instrument QC Batch: MA5725
(3) Prep QC Batch: MP11962
(4) Prep QC Batch: MP12008

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-DP61 24'		
Lab Sample ID:	F49392-9	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.2
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F021357.D	1	05/19/07	WJ	05/10/07 09:11	n/a	VF365
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.04 g	5.0 ml	100 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	2900	1500	ug/kg	
75-05-8	Acetonitrile	ND	2900	2000	ug/kg	
107-02-8	Acrolein	ND	1500	880	ug/kg	
107-13-1	Acrylonitrile	ND	1500	730	ug/kg	
107-05-1	Allyl chloride	ND	1500	290	ug/kg	
71-43-2	Benzene	255	290	120	ug/kg	J
100-44-7	Benzyl Chloride	ND	290	180	ug/kg	
108-86-1	Bromobenzene	ND	290	120	ug/kg	
74-97-5	Bromochloromethane	ND	290	120	ug/kg	
75-27-4	Bromodichloromethane	ND	290	120	ug/kg	
75-25-2	Bromoform	ND	290	120	ug/kg	
104-51-8	n-Butylbenzene	ND	290	180	ug/kg	
135-98-8	sec-Butylbenzene	ND	290	120	ug/kg	
98-06-6	tert-Butylbenzene	ND	290	120	ug/kg	
108-90-7	Chlorobenzene	ND	290	120	ug/kg	
75-00-3	Chloroethane	ND	290	180	ug/kg	
67-66-3	Chloroform	ND	290	120	ug/kg	
544-10-5	1-Chlorohexane	ND	290	120	ug/kg	
95-49-8	o-Chlorotoluene	ND	290	120	ug/kg	
106-43-4	p-Chlorotoluene	ND	290	120	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1500	730	ug/kg	
75-15-0	Carbon disulfide	ND	290	120	ug/kg	
56-23-5	Carbon tetrachloride	ND	290	120	ug/kg	
75-34-3	1,1-Dichloroethane	ND	290	120	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	290	120	ug/kg	
563-58-6	1,1-Dichloropropene	ND	290	120	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	290	180	ug/kg	
106-93-4	1,2-Dibromoethane	ND	290	120	ug/kg	
107-06-2	1,2-Dichloroethane	ND	290	120	ug/kg	
78-87-5	1,2-Dichloropropane	ND	290	120	ug/kg	
142-28-9	1,3-Dichloropropane	ND	290	120	ug/kg	
594-20-7	2,2-Dichloropropane	ND	290	120	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP61 24'		
Lab Sample ID:	F49392-9	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.2
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	290	120	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	290	180	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	290	120	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	290	120	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	1500	290	ug/kg	
541-73-1	m-Dichlorobenzene	ND	290	120	ug/kg	
95-50-1	o-Dichlorobenzene	ND	290	120	ug/kg	
106-46-7	p-Dichlorobenzene	ND	290	120	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	290	120	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	290	120	ug/kg	
100-41-4	Ethylbenzene	207	290	120	ug/kg	J
97-63-2	Ethyl methacrylate	ND	1500	290	ug/kg	
76-13-1	Freon 113	ND	290	120	ug/kg	
591-78-6	2-Hexanone	ND	1500	590	ug/kg	
87-68-3	Hexachlorobutadiene	ND	290	120	ug/kg	
110-54-3	Hexane	ND	290	180	ug/kg	
98-82-8	Isopropylbenzene	1650	290	120	ug/kg	
99-87-6	p-Isopropyltoluene	ND	290	120	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1500	590	ug/kg	
126-98-7	Methacrylonitrile	ND	1500	590	ug/kg	
74-83-9	Methyl bromide	ND	290	120	ug/kg	
74-87-3	Methyl chloride	ND	290	120	ug/kg	
74-88-4	Methyl iodide	ND	590	120	ug/kg	
80-62-6	Methyl methacrylate	ND	1500	290	ug/kg	
74-95-3	Methylene bromide	ND	290	120	ug/kg	
75-09-2	Methylene chloride	ND	590	290	ug/kg	
78-93-3	Methyl ethyl ketone	ND	1500	590	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	290	120	ug/kg	
91-20-3	Naphthalene	ND	290	120	ug/kg	
76-01-7	Pentachloroethane	ND	1500	290	ug/kg	
107-12-0	Propionitrile	ND	2900	590	ug/kg	
103-65-1	n-Propylbenzene	ND	290	120	ug/kg	
100-42-5	Styrene	ND	290	120	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	290	120	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	290	120	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	290	120	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	290	120	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	290	120	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	290	150	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	290	120	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP61 24'		
Lab Sample ID:	F49392-9	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.2
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	290	180	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	290	120	ug/kg	
127-18-4	Tetrachloroethylene	ND	290	120	ug/kg	
108-88-3	Toluene	ND	290	120	ug/kg	
79-01-6	Trichloroethylene	ND	290	120	ug/kg	
75-69-4	Trichlorofluoromethane	ND	290	120	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	1500	590	ug/kg	
75-01-4	Vinyl chloride	ND	290	120	ug/kg	
108-05-4	Vinyl Acetate	ND	1500	590	ug/kg	
	m,p-Xylene	ND	590	180	ug/kg	
95-47-6	o-Xylene	ND	290	120	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-121%
2037-26-5	Toluene-D8	96%		71-130%
460-00-4	4-Bromofluorobenzene	103%		59-148%
17060-07-0	1,2-Dichloroethane-D4	81%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP61 24'		
Lab Sample ID:	F49392-9	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	84.2
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U002203.D	1	05/23/07	NJ	05/21/07	OP20671	SU111
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	980	390	ug/kg	
95-57-8	2-Chlorophenol	ND	200	39	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	200	39	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	200	39	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	200	39	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	980	390	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	390	79	ug/kg	
95-48-7	2-Methylphenol	ND	200	39	ug/kg	
	3&4-Methylphenol	ND	200	39	ug/kg	
88-75-5	2-Nitrophenol	ND	200	39	ug/kg	
100-02-7	4-Nitrophenol	ND	980	390	ug/kg	
87-86-5	Pentachlorophenol	ND	980	390	ug/kg	
108-95-2	Phenol	ND	200	39	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	39	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	39	ug/kg	
83-32-9	Acenaphthene	ND	200	39	ug/kg	
208-96-8	Acenaphthylene	ND	200	39	ug/kg	
120-12-7	Anthracene	ND	200	39	ug/kg	
92-87-5	Benzidine	ND	2000	980	ug/kg	
56-55-3	Benzo(a)anthracene	ND	200	39	ug/kg	
50-32-8	Benzo(a)pyrene	ND	200	39	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	200	39	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	200	79	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	200	39	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	200	39	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	390	98	ug/kg	
100-51-6	Benzyl Alcohol	ND	200	39	ug/kg	
91-58-7	2-Chloronaphthalene	ND	200	39	ug/kg	
106-47-8	4-Chloroaniline	ND	390	160	ug/kg	
218-01-9	Chrysene	ND	200	39	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	200	39	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	200	79	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP61 24'		
Lab Sample ID:	F49392-9	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	84.2
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	200	39	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	200	39	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	200	39	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	200	39	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	200	39	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	200	79	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	200	79	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	390	200	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	200	79	ug/kg	
132-64-9	Dibenzofuran	ND	200	39	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	390	98	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	390	200	ug/kg	
84-66-2	Diethyl phthalate	ND	390	98	ug/kg	
131-11-3	Dimethyl phthalate	ND	390	98	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	390	200	ug/kg	
206-44-0	Fluoranthene	ND	200	39	ug/kg	
86-73-7	Fluorene	ND	200	39	ug/kg	
118-74-1	Hexachlorobenzene	ND	200	39	ug/kg	
87-68-3	Hexachlorobutadiene	ND	200	79	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	200	79	ug/kg	
67-72-1	Hexachloroethane	ND	200	79	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	200	79	ug/kg	
78-59-1	Isophorone	ND	200	39	ug/kg	
91-57-6	2-Methylnaphthalene	ND	200	39	ug/kg	
88-74-4	2-Nitroaniline	ND	390	98	ug/kg	
99-09-2	3-Nitroaniline	ND	390	98	ug/kg	
100-01-6	4-Nitroaniline	ND	390	140	ug/kg	
91-20-3	Naphthalene	ND	200	39	ug/kg	
98-95-3	Nitrobenzene	ND	200	39	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	200	79	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	39	ug/kg	
85-01-8	Phenanthrene	ND	200	39	ug/kg	
129-00-0	Pyrene	ND	200	79	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	200	39	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	70%		40-102%
4165-62-2	Phenol-d5	74%		41-100%
118-79-6	2,4,6-Tribromophenol	73%		42-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP61 24'		
Lab Sample ID:	F49392-9	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	84.2
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	66%		40-105%
321-60-8	2-Fluorobiphenyl	68%		43-107%
1718-51-0	Terphenyl-d14	73%		45-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP61 24'		
Lab Sample ID:	F49392-9	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	84.2
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD077109.D	1	05/17/07	MM	05/10/07 09:11	n/a	GCD3197
Run #2 [a]	CD077065.D	1	05/16/07	MM	05/10/07 09:11	n/a	GCD3194

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.52 g	5.0 ml	100 ul
Run #2	5.52 g	5.0 ml	100 ul

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	19.1	6.3	3.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	271% [b]	268% [b]	56-136%
98-08-8	aaa-Trifluorotoluene	80%	84%	61-121%

(a) Confirmation run.
(b) Outside control limits due to matrix interference. Confirmed by reanalysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP61 24'		
Lab Sample ID:	F49392-9	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	84.2
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02482.D	1	05/22/07	MG	05/21/07	OP20658	GYY96
Run #2							

	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.6	5.8	mg/kg	
	TPH (> C22-C36)	ND	9.6	5.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	72%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP61 24'		
Lab Sample ID:	F49392-9	**Date Sampled:**	05/07/07
Matrix:	SO - Soil	**Date Received:**	05/09/07
		Percent Solids:	84.2
Project:	HOLMN		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.51	0.48	0.23	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Barium	68.3	12	0.30	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Cadmium	0.14 J	0.24	0.059	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Chromium	3.8	0.59	0.053	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Lead	1.7 J	5.9	0.12	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.0079 U	0.099	0.0079	mg/kg	1	05/12/07	05/12/07	MS	SW846 7471A [1]	SW846 7471A [3]
Selenium	0.12 U	5.9	0.12	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Silver	0.053 U	0.59	0.053	mg/kg	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA5706
(2) Instrument QC Batch: MA5725
(3) Prep QC Batch: MP11962
(4) Prep QC Batch: MP12008

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-TRIP BLANK		
Lab Sample ID:	F49392-10	**Date Sampled:**	05/07/07
Matrix:	AQ - Trip Blank Soil	**Date Received:**	05/09/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J029842.D	1	05/21/07	SH	n/a	n/a	VJ2127
Run #2 [a]	J029871.D	1	05/22/07	SH	n/a	n/a	VJ2130

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
75-05-8	Acetonitrile	ND	20	10	ug/l	
107-02-8	Acrolein	ND	20	10	ug/l	
107-13-1	Acrylonitrile	ND	10	5.0	ug/l	
107-05-1	Allyl chloride	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
100-44-7	Benzyl Chloride	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	1.0	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TRIP BLANK		
Lab Sample ID:	F49392-10	**Date Sampled:**	05/07/07
Matrix:	AQ - Trip Blank Soil	**Date Received:**	05/09/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	2.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
110-54-3	Hexane	ND	2.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
126-98-7	Methacrylonitrile	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
74-88-4	Methyl iodide	ND	5.0	2.5	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	2.5	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	5.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TRIP BLANK		
Lab Sample ID:	F49392-10	**Date Sampled:**	05/07/07
Matrix:	AQ - Trip Blank Soil	**Date Received:**	05/09/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	10	5.0	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	90%	98%	76-127%
2037-26-5	Toluene-D8	97%	101%	86-112%
460-00-4	4-Bromofluorobenzene	102%	102%	84-120%

(a) Confirmation run. Sample re-analyzed beyond hold time; reported results are considered minimum values.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

Page: 1 of 1
Project No: 9050361.01.02
COC Number(1): 05-08-2007-01
LIMS Number:

F49392

Chain of Custody and Analytical Request

Facility/Base I.D.: Holloman Air Force Base
Project/Site Name: SS-61 Voluntary Corrective Measures
Client Name: USACE
Collected by: J. Moore/C. McGriff/R. Currance/B. Wolfe

	Field Sample ID (30 Characters Max)	BRPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code (2)	Sample Number (3)	Sample Matrix (4)	Number of containers	Sample Analysis Requested (5): VOC, 8260B	SVOC, 8270C	TPH, 8015M	RCRA Metals, 6010B, 7471A	Quality Assurance Samples (6): Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
	SS61- [illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	1	1	1	1				
1	SS61- DP62		08-May-2007	0930	13	N		SO	6	1	1	1	1				
2	SS61- DP62		08-May-2007	0945	21	N		SO	6	1	1	1	1				
3	SS61- DP62a		08-May-2007	0945	21a	N		SO	6	1	1	1	1				
4	SS61- DP63		08-May-2007	1045	15	N		SO	6	1	1	1	1				
5	SS61- DP63		08-May-2007	1100	21	N		SO	6	1	1	1	1				
6	SS61- DP64		08-May-2007	1210	13	N		SO	6	1	1	1	1				
7	SS61- DP64		08-May-2007	1230	24	N		SO	6	1	1	1	1				
8	SS61- DP61		07-May-2007	1600	17	N		SO	6	1	1	1	1				
9	SS61- DP61		07-May-2007	1630	24	N		SO	6	1	1	1	1				
10	SS61- Trip Blank		07-May-2007	/	/	TB		WQ	6	1							

COMMENTS:

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1.	B. Wolfe	5/8/07	1500	Release to FedEx		
2.	FedEx	5-09-07	09:00	[illegible]	05-09-07	09:00
3.						

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: Shipped No.:
Method of Shipment: FedEx Airbill Number:
Analytical Lab: Accutest Delivery Location: Orlando, FL
Lab Recipient: Delivery Date/Time:

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)
2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-e) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-c)
3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)
4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks
5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each
6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment Blank collected in association with MW-1 on 10/10/99 will be designated 101099EB01 in the Equipment Blank Lot Control

2.6

F49392: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F49392 CLIENT: BHATE PROJECT: ~~SS-61~~ VOLUNTARY CLEAN. MOA.

DATE/TIME RECEIVED: 05-01-07 09:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.6

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8600 5190 1750

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [x] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [x] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [x] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 36

NUMBER OF 5035 FIELD KITS ? ~~2~~

NUMBER OR LAB FILTERED METALS ? ~~2~~

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE: [signature] 05-01-07 TECHNICIAN SIGNATURE/DATE:

ASBD 10/03/06

4.1 4

F49392: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF364-MB	F021319.D	1	05/18/07	WJ	n/a	n/a	VF364

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49392-1

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	35	ug/kg	
107-02-8	Acrolein	ND	25	15	ug/kg	
107-13-1	Acrylonitrile	ND	25	13	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	2.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	3.0	ug/kg	
108-86-1	Bromobenzene	ND	5.0	2.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	2.0	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	2.0	ug/kg	
75-25-2	Bromoform	ND	5.0	2.0	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	3.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	2.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	2.0	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	2.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	3.0	ug/kg	
67-66-3	Chloroform	ND	5.0	2.0	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	2.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	2.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	2.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	13	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	2.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	2.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	2.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	2.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	3.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	2.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	2.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	2.0	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	2.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	2.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	3.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	2.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF364-MB	F021319.D	1	05/18/07	WJ	n/a	n/a	VF364

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49392-1

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	2.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	2.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	2.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	2.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	2.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	2.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.0	ug/kg	
591-78-6	2-Hexanone	ND	25	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/kg	
110-54-3	Hexane	ND	5.0	3.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	2.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	2.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	10	ug/kg	
126-98-7	Methacrylonitrile	ND	25	10	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.0	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.0	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	2.0	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	2.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	10	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	2.0	ug/kg	
100-42-5	Styrene	ND	5.0	2.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	2.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	2.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	2.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF364-MB	F021319.D	1	05/18/07	WJ	n/a	n/a	VF364

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49392-1

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	3.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	2.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	2.0	ug/kg	
108-88-3	Toluene	ND	5.0	2.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	2.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	10	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	10	ug/kg	
	m,p-Xylene	ND	10	3.0	ug/kg	
95-47-6	o-Xylene	ND	5.0	2.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	80-121%
2037-26-5	Toluene-D8	96%	71-130%
460-00-4	4-Bromofluorobenzene	101%	59-148%
17060-07-0	1,2-Dichloroethane-D4	89%	77-123%

Method Blank Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF365-MB	F021347.D	1	05/19/07	WJ	n/a	n/a	VF365

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49392-2, F49392-3, F49392-4, F49392-5, F49392-6, F49392-7, F49392-8, F49392-9

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	35	ug/kg	
107-02-8	Acrolein	ND	25	15	ug/kg	
107-13-1	Acrylonitrile	ND	25	13	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	2.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	3.0	ug/kg	
108-86-1	Bromobenzene	ND	5.0	2.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	2.0	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	2.0	ug/kg	
75-25-2	Bromoform	ND	5.0	2.0	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	3.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	2.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	2.0	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	2.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	3.0	ug/kg	
67-66-3	Chloroform	ND	5.0	2.0	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	2.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	2.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	2.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	13	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	2.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	2.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	2.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	2.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	3.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	2.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	2.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	2.0	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	2.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	2.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	3.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	2.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF365-MB	F021347.D	1	05/19/07	WJ	n/a	n/a	VF365

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49392-2, F49392-3, F49392-4, F49392-5, F49392-6, F49392-7, F49392-8, F49392-9

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	2.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	2.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	2.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	2.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	2.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	2.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.0	ug/kg	
591-78-6	2-Hexanone	ND	25	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/kg	
110-54-3	Hexane	ND	5.0	3.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	2.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	2.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	10	ug/kg	
126-98-7	Methacrylonitrile	ND	25	10	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.0	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.0	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	2.0	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	2.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	10	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	2.0	ug/kg	
100-42-5	Styrene	ND	5.0	2.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	2.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	2.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	2.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF365-MB	F021347.D	1	05/19/07	WJ	n/a	n/a	VF365

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49392-2, F49392-3, F49392-4, F49392-5, F49392-6, F49392-7, F49392-8, F49392-9

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	3.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	2.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	2.0	ug/kg	
108-88-3	Toluene	ND	5.0	2.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	2.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	10	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	10	ug/kg	
	m,p-Xylene	ND	10	3.0	ug/kg	
95-47-6	o-Xylene	ND	5.0	2.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	97%	80-121%
2037-26-5	Toluene-D8	94%	71-130%
460-00-4	4-Bromofluorobenzene	100%	59-148%
17060-07-0	1,2-Dichloroethane-D4	85%	77-123%

Method Blank Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2127-MB	J029822.D	1	05/21/07	SH	n/a	n/a	VJ2127

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49392-10

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
75-05-8	Acetonitrile	ND	20	10	ug/l	
107-02-8	Acrolein	ND	20	10	ug/l	
107-13-1	Acrylonitrile	ND	10	5.0	ug/l	
107-05-1	Allyl chloride	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
100-44-7	Benzyl Chloride	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	1.0	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	

Method Blank Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2127-MB	J029822.D	1	05/21/07	SH	n/a	n/a	VJ2127

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49392-10

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	2.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
110-54-3	Hexane	ND	2.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
126-98-7	Methacrylonitrile	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
74-88-4	Methyl iodide	ND	5.0	2.5	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	2.5	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	5.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.53	1.0	0.50	ug/l	J
96-18-4	1,2,3-Trichloropropane	ND	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

Method Blank Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2127-MB	J029822.D	1	05/21/07	SH	n/a	n/a	VJ2127

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49392-10

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	10	5.0	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	103%	76-127%
2037-26-5	Toluene-D8	96%	86-112%
460-00-4	4-Bromofluorobenzene	109%	84-120%

Method Blank Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF366-MB	F021376.D	1	05/21/07	WJ	n/a	n/a	VF366

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49392-7

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	35	ug/kg	
107-02-8	Acrolein	ND	25	15	ug/kg	
107-13-1	Acrylonitrile	ND	25	13	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	2.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	3.0	ug/kg	
108-86-1	Bromobenzene	ND	5.0	2.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	2.0	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	2.0	ug/kg	
75-25-2	Bromoform	ND	5.0	2.0	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	3.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	2.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	2.0	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	2.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	3.0	ug/kg	
67-66-3	Chloroform	ND	5.0	2.0	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	2.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	2.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	2.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	13	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	2.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	2.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	2.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	2.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	3.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	2.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	2.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	2.0	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	2.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	2.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	3.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	2.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF366-MB	F021376.D	1	05/21/07	WJ	n/a	n/a	VF366

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49392-7

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	2.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	2.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	2.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	2.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	2.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	2.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.0	ug/kg	
591-78-6	2-Hexanone	ND	25	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/kg	
110-54-3	Hexane	ND	5.0	3.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	2.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	10	ug/kg	
126-98-7	Methacrylonitrile	ND	25	10	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.0	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.0	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	2.0	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	2.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	10	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	2.0	ug/kg	
100-42-5	Styrene	ND	5.0	2.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	2.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	2.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	2.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	3.0	ug/kg	

Method Blank Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF366-MB	F021376.D	1	05/21/07	WJ	n/a	n/a	VF366

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49392-7

CAS No.	Compound	Result	RL	MDL	Units	Q
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	2.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	2.0	ug/kg	
108-88-3	Toluene	ND	5.0	2.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	2.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	10	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	10	ug/kg	
	m,p-Xylene	ND	10	3.0	ug/kg	
95-47-6	o-Xylene	ND	5.0	2.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	99%	80-121%
2037-26-5	Toluene-D8	96%	71-130%
460-00-4	4-Bromofluorobenzene	102%	59-148%
17060-07-0	1,2-Dichloroethane-D4	84%	77-123%

Method Blank Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH1631-MB	H043718.D	1	05/21/07	WJ	n/a	n/a	VH1631

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49392-2, F49392-5

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	5.0	2.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	80-121%
2037-26-5	Toluene-D8	97%	71-130%
460-00-4	4-Bromofluorobenzene	100%	59-148%
17060-07-0	1,2-Dichloroethane-D4	102%	77-123%

Method Blank Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF368-MB	F021431.D	1	05/23/07	WJ	n/a	n/a	VF368

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49392-3

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	5.0	2.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	80-121%
2037-26-5	Toluene-D8	102%	71-130%
460-00-4	4-Bromofluorobenzene	100%	59-148%
17060-07-0	1,2-Dichloroethane-D4	102%	77-123%

Blank Spike Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF364-BS	F021318.D	1	05/18/07	WJ	n/a	n/a	VF364

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49392-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	258	103	61-144
75-05-8	Acetonitrile	500	402	80	59-139
107-02-8	Acrolein	250	124	50	27-156
107-13-1	Acrylonitrile	250	219	88	55-144
107-05-1	Allyl chloride	50	43.9	88	41-152
71-43-2	Benzene	50	53.0	106	78-130
100-44-7	Benzyl Chloride	50	57.6	115	74-130
108-86-1	Bromobenzene	50	54.6	109	78-123
74-97-5	Bromochloromethane	50	52.7	105	72-122
75-27-4	Bromodichloromethane	50	46.8	94	73-122
75-25-2	Bromoform	50	55.6	111	70-139
104-51-8	n-Butylbenzene	50	55.6	111	80-138
135-98-8	sec-Butylbenzene	50	54.5	109	82-132
98-06-6	tert-Butylbenzene	50	49.6	99	79-130
108-90-7	Chlorobenzene	50	56.5	113	83-122
75-00-3	Chloroethane	50	42.8	86	61-153
67-66-3	Chloroform	50	51.3	103	79-129
544-10-5	1-Chlorohexane	50	61.7	123	85-137
95-49-8	o-Chlorotoluene	50	50.5	101	77-123
106-43-4	p-Chlorotoluene	50	50.8	102	78-129
110-75-8	2-Chloroethyl vinyl ether	250	197	79	52-142
75-15-0	Carbon disulfide	50	55.5	111	61-142
56-23-5	Carbon tetrachloride	50	54.9	110	79-135
75-34-3	1,1-Dichloroethane	50	52.0	104	77-132
75-35-4	1,1-Dichloroethylene	50	50.5	101	66-132
563-58-6	1,1-Dichloropropene	50	55.4	111	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	43.1	86	67-129
106-93-4	1,2-Dibromoethane	50	51.8	104	77-126
107-06-2	1,2-Dichloroethane	50	46.0	92	78-129
78-87-5	1,2-Dichloropropane	50	50.6	101	74-127
142-28-9	1,3-Dichloropropane	50	48.6	97	78-118
594-20-7	2,2-Dichloropropane	50	54.4	109	80-137
124-48-1	Dibromochloromethane	50	52.2	104	78-117
75-71-8	Dichlorodifluoromethane	50	73.2	146	35-162
156-59-2	cis-1,2-Dichloroethylene	50	51.5	103	74-123
10061-01-5	cis-1,3-Dichloropropene	50	53.5	107	79-130

Blank Spike Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF364-BS	F021318.D	1	05/18/07	WJ	n/a	n/a	VF364

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49392-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	40.3	81	71-126
541-73-1	m-Dichlorobenzene	50	57.8	116	82-126
95-50-1	o-Dichlorobenzene	50	56.1	112	83-123
106-46-7	p-Dichlorobenzene	50	57.6	115	84-124
156-60-5	trans-1,2-Dichloroethylene	50	50.8	102	77-129
10061-02-6	trans-1,3-Dichloropropene	50	52.4	105	87-131
100-41-4	Ethylbenzene	50	53.0	106	82-124
97-63-2	Ethyl methacrylate	50	48.2	96	78-118
76-13-1	Freon 113	50	61.6	123	62-147
591-78-6	2-Hexanone	250	239	96	67-130
87-68-3	Hexachlorobutadiene	50	75.9	152*	77-150
110-54-3	Hexane	50	54.9	110	65-147
98-82-8	Isopropylbenzene	50	60.3	121	82-133
99-87-6	p-Isopropyltoluene	50	56.3	113	82-132
108-10-1	4-Methyl-2-pentanone	250	219	88	69-125
126-98-7	Methacrylonitrile	500	417	83	70-138
74-83-9	Methyl bromide	50	52.0	104	60-146
74-87-3	Methyl chloride	50	53.5	107	58-163
74-88-4	Methyl iodide	50	57.3	115	66-128
80-62-6	Methyl methacrylate	50	39.3	79	73-125
74-95-3	Methylene bromide	50	51.3	103	75-128
75-09-2	Methylene chloride	50	44.9	90	62-140
78-93-3	Methyl ethyl ketone	250	248	99	66-134
1634-04-4	Methyl Tert Butyl Ether	50	48.1	96	70-131
91-20-3	Naphthalene	50	55.1	110	59-143
76-01-7	Pentachloroethane	50	48.6	97	64-156
107-12-0	Propionitrile	500	462	92	73-133
103-65-1	n-Propylbenzene	50	51.3	103	78-129
100-42-5	Styrene	50	53.6	107	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	54.0	108	81-121
71-55-6	1,1,1-Trichloroethane	50	52.9	106	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	45.2	90	70-128
79-00-5	1,1,2-Trichloroethane	50	49.9	100	76-118
87-61-6	1,2,3-Trichlorobenzene	50	66.6	133	78-136
96-18-4	1,2,3-Trichloropropane	50	46.4	93	74-125
120-82-1	1,2,4-Trichlorobenzene	50	69.9	140*	82-137

Blank Spike Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF364-BS	F021318.D	1	05/18/07	WJ	n/a	n/a	VF364

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49392-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	49.5	99	77-129
108-67-8	1,3,5-Trimethylbenzene	50	51.8	104	79-129
127-18-4	Tetrachloroethylene	50	65.7	131	79-132
108-88-3	Toluene	50	55.0	110	80-123
79-01-6	Trichloroethylene	50	55.2	110	78-132
75-69-4	Trichlorofluoromethane	50	58.8	118	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	40.9	82	74-138
75-01-4	Vinyl chloride	50	50.5	101	60-145
108-05-4	Vinyl Acetate	250	239	96	25-164
	m,p-Xylene	100	108	108	82-128
95-47-6	o-Xylene	50	53.9	108	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	80-121%
2037-26-5	Toluene-D8	97%	71-130%
460-00-4	4-Bromofluorobenzene	102%	59-148%
17060-07-0	1,2-Dichloroethane-D4	86%	77-123%

Blank Spike Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF365-BS	F021346.D	1	05/19/07	WJ	n/a	n/a	VF365

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49392-2, F49392-3, F49392-4, F49392-5, F49392-6, F49392-7, F49392-8, F49392-9

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	230	92	61-144
75-05-8	Acetonitrile	500	348	70	59-139
107-02-8	Acrolein	250	377	151	27-156
107-13-1	Acrylonitrile	250	202	81	55-144
107-05-1	Allyl chloride	50	43.2	86	41-152
71-43-2	Benzene	50	55.6	111	78-130
100-44-7	Benzyl Chloride	50	58.2	116	74-130
108-86-1	Bromobenzene	50	57.2	114	78-123
74-97-5	Bromochloromethane	50	56.3	113	72-122
75-27-4	Bromodichloromethane	50	48.8	98	73-122
75-25-2	Bromoform	50	58.3	117	70-139
104-51-8	n-Butylbenzene	50	57.1	114	80-138
135-98-8	sec-Butylbenzene	50	58.0	116	82-132
98-06-6	tert-Butylbenzene	50	52.2	104	79-130
108-90-7	Chlorobenzene	50	59.6	119	83-122
75-00-3	Chloroethane	50	43.3	87	61-153
67-66-3	Chloroform	50	53.2	106	79-129
544-10-5	1-Chlorohexane	50	66.6	133	85-137
95-49-8	o-Chlorotoluene	50	52.0	104	77-123
106-43-4	p-Chlorotoluene	50	51.5	103	78-129
110-75-8	2-Chloroethyl vinyl ether	250	200	80	52-142
75-15-0	Carbon disulfide	50	59.5	119	61-142
56-23-5	Carbon tetrachloride	50	58.0	116	79-135
75-34-3	1,1-Dichloroethane	50	52.9	106	77-132
75-35-4	1,1-Dichloroethylene	50	51.6	103	66-132
563-58-6	1,1-Dichloropropene	50	58.0	116	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	40.2	80	67-129
106-93-4	1,2-Dibromoethane	50	54.7	109	77-126
107-06-2	1,2-Dichloroethane	50	46.4	93	78-129
78-87-5	1,2-Dichloropropane	50	52.5	105	74-127
142-28-9	1,3-Dichloropropane	50	50.7	101	78-118
594-20-7	2,2-Dichloropropane	50	56.4	113	80-137
124-48-1	Dibromochloromethane	50	53.8	108	78-117
75-71-8	Dichlorodifluoromethane	50	76.8	154	35-162
156-59-2	cis-1,2-Dichloroethylene	50	56.7	113	74-123
10061-01-5	cis-1,3-Dichloropropene	50	53.6	107	79-130

Blank Spike Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF365-BS	F021346.D	1	05/19/07	WJ	n/a	n/a	VF365

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49392-2, F49392-3, F49392-4, F49392-5, F49392-6, F49392-7, F49392-8, F49392-9

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	36.9	74	71-126
541-73-1	m-Dichlorobenzene	50	59.3	119	82-126
95-50-1	o-Dichlorobenzene	50	58.6	117	83-123
106-46-7	p-Dichlorobenzene	50	59.8	120	84-124
156-60-5	trans-1,2-Dichloroethylene	50	53.0	106	77-129
10061-02-6	trans-1,3-Dichloropropene	50	54.1	108	87-131
100-41-4	Ethylbenzene	50	55.1	110	82-124
97-63-2	Ethyl methacrylate	50	48.3	97	78-118
76-13-1	Freon 113	50	63.4	127	62-147
591-78-6	2-Hexanone	250	231	92	67-130
87-68-3	Hexachlorobutadiene	50	75.9	152*	77-150
110-54-3	Hexane	50	55.9	112	65-147
98-82-8	Isopropylbenzene	50	65.8	132	82-133
99-87-6	p-Isopropyltoluene	50	59.7	119	82-132
108-10-1	4-Methyl-2-pentanone	250	211	84	69-125
126-98-7	Methacrylonitrile	500	381	76	70-138
74-83-9	Methyl bromide	50	51.1	102	60-146
74-87-3	Methyl chloride	50	55.1	110	58-163
74-88-4	Methyl iodide	50	62.8	126	66-128
80-62-6	Methyl methacrylate	50	38.0	76	73-125
74-95-3	Methylene bromide	50	53.1	106	75-128
75-09-2	Methylene chloride	50	43.9	88	62-140
78-93-3	Methyl ethyl ketone	250	232	93	66-134
1634-04-4	Methyl Tert Butyl Ether	50	48.8	98	70-131
91-20-3	Naphthalene	50	52.2	104	59-143
76-01-7	Pentachloroethane	50	51.3	103	64-156
107-12-0	Propionitrile	500	416	83	73-133
103-65-1	n-Propylbenzene	50	53.1	106	78-129
100-42-5	Styrene	50	57.2	114	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	58.0	116	81-121
71-55-6	1,1,1-Trichloroethane	50	56.0	112	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	44.4	89	70-128
79-00-5	1,1,2-Trichloroethane	50	51.2	102	76-118
87-61-6	1,2,3-Trichlorobenzene	50	65.0	130	78-136
96-18-4	1,2,3-Trichloropropane	50	46.2	92	74-125
120-82-1	1,2,4-Trichlorobenzene	50	67.8	136	82-137

Blank Spike Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF365-BS	F021346.D	1	05/19/07	WJ	n/a	n/a	VF365

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49392-2, F49392-3, F49392-4, F49392-5, F49392-6, F49392-7, F49392-8, F49392-9

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	52.8	106	77-129
108-67-8	1,3,5-Trimethylbenzene	50	53.9	108	79-129
127-18-4	Tetrachloroethylene	50	74.8	150*	79-132
108-88-3	Toluene	50	58.7	117	80-123
79-01-6	Trichloroethylene	50	59.1	118	78-132
75-69-4	Trichlorofluoromethane	50	60.2	120	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	40.3	81	74-138
75-01-4	Vinyl chloride	50	49.1	98	60-145
108-05-4	Vinyl Acetate	250	231	92	25-164
	m,p-Xylene	100	115	115	82-128
95-47-6	o-Xylene	50	56.9	114	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	80-121%
2037-26-5	Toluene-D8	101%	71-130%
460-00-4	4-Bromofluorobenzene	105%	59-148%
17060-07-0	1,2-Dichloroethane-D4	80%	77-123%

Blank Spike Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2127-BS	J029821.D	1	05/21/07	SH	n/a	n/a	VJ2127

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49392-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	120	96	59-134
75-05-8	Acetonitrile	250	264	106	57-123
107-02-8	Acrolein	125	194	155	33-157
107-13-1	Acrylonitrile	125	129	103	62-124
107-05-1	Allyl chloride	25	26.7	107	48-136
71-43-2	Benzene	25	28.0	112	83-124
100-44-7	Benzyl Chloride	25	23.9	96	61-118
108-86-1	Bromobenzene	25	24.4	98	83-115
74-97-5	Bromochloromethane	25	23.8	95	78-112
75-27-4	Bromodichloromethane	25	26.3	105	76-116
75-25-2	Bromoform	25	22.7	91	68-128
104-51-8	n-Butylbenzene	25	27.7	111	84-124
135-98-8	sec-Butylbenzene	25	27.4	110	86-127
98-06-6	tert-Butylbenzene	25	27.4	110	83-126
108-90-7	Chlorobenzene	25	25.3	101	87-115
75-00-3	Chloroethane	25	35.6	142	54-166
67-66-3	Chloroform	25	28.4	114	85-123
544-10-5	1-Chlorohexane	25	29.2	117	87-128
95-49-8	o-Chlorotoluene	25	26.8	107	84-121
106-43-4	p-Chlorotoluene	25	26.9	108	84-120
110-75-8	2-Chloroethyl vinyl ether	125	106	85	63-125
75-15-0	Carbon disulfide	25	28.1	112	67-147
56-23-5	Carbon tetrachloride	25	27.9	112	74-139
75-34-3	1,1-Dichloroethane	25	28.3	113	82-127
75-35-4	1,1-Dichloroethylene	25	29.9	120	75-133
563-58-6	1,1-Dichloropropene	25	29.7	119	87-127
96-12-8	1,2-Dibromo-3-chloropropane	25	21.3	85	61-118
106-93-4	1,2-Dibromoethane	25	24.1	96	80-115
107-06-2	1,2-Dichloroethane	25	25.4	102	76-122
78-87-5	1,2-Dichloropropane	25	27.3	109	81-120
142-28-9	1,3-Dichloropropane	25	24.8	99	81-113
594-20-7	2,2-Dichloropropane	25	29.1	116	77-138
124-48-1	Dibromochloromethane	25	23.6	94	74-116
75-71-8	Dichlorodifluoromethane	25	43.2	173*	34-158
156-59-2	cis-1,2-Dichloroethylene	25	26.1	104	81-114
10061-01-5	cis-1,3-Dichloropropene	25	27.5	110	83-119

Blank Spike Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2127-BS	J029821.D	1	05/21/07	SH	n/a	n/a	VJ2127

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49392-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	25	24.2	97	41-130
541-73-1	m-Dichlorobenzene	25	24.7	99	86-115
95-50-1	o-Dichlorobenzene	25	24.4	98	85-115
106-46-7	p-Dichlorobenzene	25	24.4	98	87-113
156-60-5	trans-1,2-Dichloroethylene	25	27.6	110	82-126
10061-02-6	trans-1,3-Dichloropropene	25	27.7	111	87-123
100-41-4	Ethylbenzene	25	25.6	102	87-118
97-63-2	Ethyl methacrylate	25	24.1	96	68-110
76-13-1	Freon 113	25	29.7	119	74-139
591-78-6	2-Hexanone	125	119	95	58-125
87-68-3	Hexachlorobutadiene	25	23.1	92	71-133
110-54-3	Hexane	25	27.6	110	71-134
98-82-8	Isopropylbenzene	25	27.0	108	87-131
99-87-6	p-Isopropyltoluene	25	26.2	105	83-125
108-10-1	4-Methyl-2-pentanone	125	119	95	62-125
126-98-7	Methacrylonitrile	250	255	102	62-133
74-83-9	Methyl bromide	25	29.4	118	55-151
74-87-3	Methyl chloride	25	32.0	128	55-173
74-88-4	Methyl iodide	25	26.3	105	72-125
80-62-6	Methyl methacrylate	25	22.4	90	63-115
74-95-3	Methylene bromide	25	26.1	104	81-116
75-09-2	Methylene chloride	25	26.8	107	69-125
78-93-3	Methyl ethyl ketone	125	115	92	61-127
1634-04-4	Methyl Tert Butyl Ether	25	23.6	94	75-116
91-20-3	Naphthalene	25	19.9	80	59-125
76-01-7	Pentachloroethane	25	23.2	93	82-111
107-12-0	Propionitrile	250	252	101	69-119
103-65-1	n-Propylbenzene	25	27.7	111	86-125
100-42-5	Styrene	25	24.4	98	78-118
630-20-6	1,1,1,2-Tetrachloroethane	25	24.5	98	81-119
71-55-6	1,1,1-Trichloroethane	25	28.6	114	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	25.5	102	71-120
79-00-5	1,1,2-Trichloroethane	25	25.2	101	80-114
87-61-6	1,2,3-Trichlorobenzene	25	20.0	80	64-126
96-18-4	1,2,3-Trichloropropane	25	22.6	90	77-115
120-82-1	1,2,4-Trichlorobenzene	25	21.7	87	68-123

Blank Spike Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2127-BS	J029821.D	1	05/21/07	SH	n/a	n/a	VJ2127

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49392-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	25	25.7	103	82-120
108-67-8	1,3,5-Trimethylbenzene	25	26.2	105	83-123
127-18-4	Tetrachloroethylene	25	24.8	99	80-131
108-88-3	Toluene	25	25.7	103	86-116
79-01-6	Trichloroethylene	25	27.5	110	85-124
75-69-4	Trichlorofluoromethane	25	38.9	156	66-156
110-57-6	Trans-1,4-Dichloro-2-Butene	25	25.2	101	51-137
75-01-4	Vinyl chloride	25	32.7	131	57-153
108-05-4	Vinyl Acetate	125	133	106	38-159
	m,p-Xylene	50	52.3	105	86-121
95-47-6	o-Xylene	25	26.2	105	83-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	100%	76-127%
2037-26-5	Toluene-D8	97%	86-112%
460-00-4	4-Bromofluorobenzene	105%	84-120%

Blank Spike Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF366-BS	F021375.D	1	05/21/07	WJ	n/a	n/a	VF366

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49392-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	269	108	61-144
75-05-8	Acetonitrile	500	390	78	59-139
107-02-8	Acrolein	250	389	156	27-156
107-13-1	Acrylonitrile	250	225	90	55-144
107-05-1	Allyl chloride	50	42.6	85	41-152
71-43-2	Benzene	50	53.9	108	78-130
100-44-7	Benzyl Chloride	50	58.0	116	74-130
108-86-1	Bromobenzene	50	55.2	110	78-123
74-97-5	Bromochloromethane	50	55.4	111	72-122
75-27-4	Bromodichloromethane	50	46.7	93	73-122
75-25-2	Bromoform	50	55.8	112	70-139
104-51-8	n-Butylbenzene	50	55.4	111	80-138
135-98-8	sec-Butylbenzene	50	56.0	112	82-132
98-06-6	tert-Butylbenzene	50	49.7	99	79-130
108-90-7	Chlorobenzene	50	56.2	112	83-122
75-00-3	Chloroethane	50	42.4	85	61-153
67-66-3	Chloroform	50	50.9	102	79-129
544-10-5	1-Chlorohexane	50	61.7	123	85-137
95-49-8	o-Chlorotoluene	50	50.5	101	77-123
106-43-4	p-Chlorotoluene	50	51.3	103	78-129
110-75-8	2-Chloroethyl vinyl ether	250	200	80	52-142
75-15-0	Carbon disulfide	50	58.0	116	61-142
56-23-5	Carbon tetrachloride	50	55.4	111	79-135
75-34-3	1,1-Dichloroethane	50	50.8	102	77-132
75-35-4	1,1-Dichloroethylene	50	49.4	99	66-132
563-58-6	1,1-Dichloropropene	50	54.9	110	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	38.4	77	67-129
106-93-4	1,2-Dibromoethane	50	52.7	105	77-126
107-06-2	1,2-Dichloroethane	50	44.8	90	78-129
78-87-5	1,2-Dichloropropane	50	51.4	103	74-127
142-28-9	1,3-Dichloropropane	50	48.9	98	78-118
594-20-7	2,2-Dichloropropane	50	54.1	108	80-137
124-48-1	Dibromochloromethane	50	51.6	103	78-117
75-71-8	Dichlorodifluoromethane	50	75.3	151	35-162
156-59-2	cis-1,2-Dichloroethylene	50	55.0	110	74-123
10061-01-5	cis-1,3-Dichloropropene	50	52.5	105	79-130

Blank Spike Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF366-BS	F021375.D	1	05/21/07	WJ	n/a	n/a	VF366

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49392-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	36.9	74	71-126
541-73-1	m-Dichlorobenzene	50	58.4	117	82-126
95-50-1	o-Dichlorobenzene	50	57.3	115	83-123
106-46-7	p-Dichlorobenzene	50	57.5	115	84-124
156-60-5	trans-1,2-Dichloroethylene	50	49.4	99	77-129
10061-02-6	trans-1,3-Dichloropropene	50	51.7	103	87-131
100-41-4	Ethylbenzene	50	52.5	105	82-124
97-63-2	Ethyl methacrylate	50	46.9	94	78-118
76-13-1	Freon 113	50	62.0	124	62-147
591-78-6	2-Hexanone	250	240	96	67-130
87-68-3	Hexachlorobutadiene	50	72.9	146	77-150
110-54-3	Hexane	50	57.8	116	65-147
99-87-6	p-Isopropyltoluene	50	57.4	115	82-132
108-10-1	4-Methyl-2-pentanone	250	207	83	69-125
126-98-7	Methacrylonitrile	500	383	77	70-138
74-83-9	Methyl bromide	50	50.0	100	60-146
74-87-3	Methyl chloride	50	53.4	107	58-163
74-88-4	Methyl iodide	50	59.2	118	66-128
80-62-6	Methyl methacrylate	50	37.0	74	73-125
74-95-3	Methylene bromide	50	52.5	105	75-128
75-09-2	Methylene chloride	50	42.7	85	62-140
78-93-3	Methyl ethyl ketone	250	254	102	66-134
1634-04-4	Methyl Tert Butyl Ether	50	46.9	94	70-131
91-20-3	Naphthalene	50	52.3	105	59-143
76-01-7	Pentachloroethane	50	49.7	99	64-156
107-12-0	Propionitrile	500	423	85	73-133
103-65-1	n-Propylbenzene	50	52.0	104	78-129
100-42-5	Styrene	50	54.7	109	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	56.2	112	81-121
71-55-6	1,1,1-Trichloroethane	50	52.9	106	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	44.9	90	70-128
79-00-5	1,1,2-Trichloroethane	50	50.0	100	76-118
87-61-6	1,2,3-Trichlorobenzene	50	64.3	129	78-136
96-18-4	1,2,3-Trichloropropane	50	46.2	92	74-125
120-82-1	1,2,4-Trichlorobenzene	50	67.3	135	82-137
95-63-6	1,2,4-Trimethylbenzene	50	50.6	101	77-129

Blank Spike Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF366-BS	F021375.D	1	05/21/07	WJ	n/a	n/a	VF366

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49392-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-67-8	1,3,5-Trimethylbenzene	50	52.6	105	79-129
127-18-4	Tetrachloroethylene	50	69.2	138*	79-132
108-88-3	Toluene	50	55.9	112	80-123
79-01-6	Trichloroethylene	50	57.0	114	78-132
75-69-4	Trichlorofluoromethane	50	58.3	117	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	39.9	80	74-138
75-01-4	Vinyl chloride	50	48.7	97	60-145
108-05-4	Vinyl Acetate	250	243	97	25-164
	m,p-Xylene	100	109	109	82-128
95-47-6	o-Xylene	50	54.9	110	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	80-121%
2037-26-5	Toluene-D8	99%	71-130%
460-00-4	4-Bromofluorobenzene	106%	59-148%
17060-07-0	1,2-Dichloroethane-D4	81%	77-123%

Blank Spike Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH1631-BS	H043716.D	1	05/21/07	WJ	n/a	n/a	VH1631

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49392-2, F49392-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
98-82-8	Isopropylbenzene	50	56.8	114	82-133

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	80-121%
2037-26-5	Toluene-D8	95%	71-130%
460-00-4	4-Bromofluorobenzene	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	99%	77-123%

Blank Spike Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF368-BS	F021430.D	1	05/23/07	WJ	n/a	n/a	VF368

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49392-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
98-82-8	Isopropylbenzene	50	66.6	133	82-133

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	80-121%
2037-26-5	Toluene-D8	98%	71-130%
460-00-4	4-Bromofluorobenzene	102%	59-148%
17060-07-0	1,2-Dichloroethane-D4	93%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49392-1MS	F021326.D	1	05/18/07	WJ	n/a	n/a	VF364
F49392-1MSD	F021327.D	1	05/18/07	WJ	n/a	n/a	VF364
F49392-1	F021325.D	1	05/18/07	WJ	n/a	n/a	VF364

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49392-1

CAS No.	Compound	F49392-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		363	225	62	200	55*	12	61-144/29
75-05-8	Acetonitrile	ND		726	405	56*	422	58*	4	59-139/30
107-02-8	Acrolein	ND		363	190	52	184	51	3	27-156/39
107-13-1	Acrylonitrile	ND		363	269	74	263	73	2	55-144/24
107-05-1	Allyl chloride	ND		72.6	62.9	87	60.5	84	4	41-152/24
71-43-2	Benzene	ND		72.6	72.9	100	71.1	98	3	78-130/25
100-44-7	Benzyl Chloride	ND		72.6	68.1	94	64.0	88	6	74-130/28
108-86-1	Bromobenzene	ND		72.6	74.7	103	70.9	98	5	78-123/30
74-97-5	Bromochloromethane	ND		72.6	66.2	91	67.2	93	1	72-122/23
75-27-4	Bromodichloromethane	ND		72.6	71.8	99	65.1	90	10	73-122/25
75-25-2	Bromoform	ND		72.6	81.6	112	75.2	104	8	70-139/26
104-51-8	n-Butylbenzene	ND		72.6	76.0	105	69.1	95	10	80-138/31
135-98-8	sec-Butylbenzene	ND		72.6	77.5	107	70.8	98	9	82-132/29
98-06-6	tert-Butylbenzene	ND		72.6	74.9	103	67.9	94	10	79-130/29
108-90-7	Chlorobenzene	ND		72.6	80.8	111	75.3	104	7	83-122/23
75-00-3	Chloroethane	ND		72.6	71.2	98	67.6	93	5	61-153/31
67-66-3	Chloroform	ND		72.6	75.7	104	71.0	98	6	79-129/27
544-10-5	1-Chlorohexane	ND		72.6	86.3	119	79.4	110	8	85-137/29
95-49-8	o-Chlorotoluene	ND		72.6	72.7	100	66.9	92	8	77-123/31
106-43-4	p-Chlorotoluene	ND		72.6	73.6	101	66.8	92	10	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		363	289	80	294	81	2	52-142/25
75-15-0	Carbon disulfide	ND		72.6	74.2	102	75.0	104	1	61-142/27
56-23-5	Carbon tetrachloride	ND		72.6	78.9	109	75.1	104	5	79-135/29
75-34-3	1,1-Dichloroethane	ND		72.6	74.5	103	71.3	99	4	77-132/26
75-35-4	1,1-Dichloroethylene	ND		72.6	75.5	104	70.3	97	7	66-132/27
563-58-6	1,1-Dichloropropene	ND		72.6	79.4	109	74.7	103	6	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		72.6	61.9	85	58.1	80	6	67-129/29
106-93-4	1,2-Dibromoethane	ND		72.6	74.3	102	70.0	97	6	77-126/24
107-06-2	1,2-Dichloroethane	ND		72.6	76.1	105	67.3	93	12	78-129/24
78-87-5	1,2-Dichloropropane	ND		72.6	73.4	101	69.1	95	6	74-127/27
142-28-9	1,3-Dichloropropane	ND		72.6	73.9	102	67.1	93	10	78-118/26
594-20-7	2,2-Dichloropropane	ND		72.6	72.7	100	67.4	93	8	80-137/28
124-48-1	Dibromochloromethane	ND		72.6	74.0	102	68.5	95	8	78-117/27
75-71-8	Dichlorodifluoromethane	ND		72.6	109	150	103	142	6	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		72.6	67.7	93	68.7	95	1	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		72.6	76.9	106	70.2	97	9	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49392-1MS	F021326.D	1	05/18/07	WJ	n/a	n/a	VF364
F49392-1MSD	F021327.D	1	05/18/07	WJ	n/a	n/a	VF364
F49392-1	F021325.D	1	05/18/07	WJ	n/a	n/a	VF364

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49392-1

CAS No.	Compound	F49392-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		72.6	59.0	81	53.4	74	10	71-126/28
541-73-1	m-Dichlorobenzene	ND		72.6	79.0	109	74.8	103	5	82-126/29
95-50-1	o-Dichlorobenzene	ND		72.6	77.3	107	73.5	102	5	83-123/28
106-46-7	p-Dichlorobenzene	ND		72.6	79.7	110	74.4	103	7	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		72.6	73.7	102	69.6	96	6	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		72.6	79.5	110	71.5	99	11	87-131/27
100-41-4	Ethylbenzene	ND		72.6	79.0	109	71.0	98	11	82-124/25
97-63-2	Ethyl methacrylate	ND		72.6	69.0	95	66.1	91	4	78-118/30
76-13-1	Freon 113	ND		72.6	76.3	105	77.9	108	2	62-147/29
591-78-6	2-Hexanone	ND		363	341	94	312	86	9	67-130/29
87-68-3	Hexachlorobutadiene	ND		72.6	92.0	127	85.8	119	7	77-150/36
110-54-3	Hexane	ND		72.6	63.0	87	60.4	83	4	65-147/27
98-82-8	Isopropylbenzene	ND		72.6	90.4	125	80.2	111	12	82-133/27
99-87-6	p-Isopropyltoluene	ND		72.6	78.6	108	71.5	99	9	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		363	332	92	304	84	9	69-125/24
126-98-7	Methacrylonitrile	ND		726	652	90	584	81	11	70-138/22
74-83-9	Methyl bromide	ND		72.6	81.6	112	78.5	108	4	60-146/31
74-87-3	Methyl chloride	ND		72.6	83.3	115	79.6	110	5	58-163/26
74-88-4	Methyl iodide	ND		72.6	69.8	96	72.7	100	4	66-128/27
80-62-6	Methyl methacrylate	ND		72.6	63.7	88	56.4	78	12	73-125/24
74-95-3	Methylene bromide	ND		72.6	74.6	103	70.0	97	6	75-128/26
75-09-2	Methylene chloride	ND		72.6	70.7	97	66.9	92	6	62-140/25
78-93-3	Methyl ethyl ketone	ND		363	288	79	271	75	6	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		72.6	65.9	91	66.3	92	1	70-131/25
91-20-3	Naphthalene	ND		72.6	73.5	101	71.8	99	2	59-143/31
76-01-7	Pentachloroethane	ND		72.6	59.8	82	51.1	71	16	64-156/37
107-12-0	Propionitrile	ND		726	566	78	508	70*	11	73-133/23
103-65-1	n-Propylbenzene	ND		72.6	74.1	102	66.8	92	10	78-129/29
100-42-5	Styrene	ND		72.6	82.3	113	72.5	100	13	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		72.6	79.8	110	71.2	98	11	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		72.6	78.8	109	72.9	101	8	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		72.6	64.2	88	59.3	82	8	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		72.6	74.8	103	66.2	91	12	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		72.6	86.7	119	82.1	113	5	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		72.6	65.0	90	64.2	89	1	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		72.6	86.7	119	84.2	116	3	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49392-1MS	F021326.D	1	05/18/07	WJ	n/a	n/a	VF364
F49392-1MSD	F021327.D	1	05/18/07	WJ	n/a	n/a	VF364
F49392-1	F021325.D	1	05/18/07	WJ	n/a	n/a	VF364

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49392-1

CAS No.	Compound	F49392-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		72.6	73.2	101	67.9	94	8	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		72.6	73.8	102	67.5	93	9	79-129/31
127-18-4	Tetrachloroethylene	ND		72.6	98.4	136*	98.4	136*	0	79-132/27
108-88-3	Toluene	ND		72.6	77.7	107	71.5	99	8	80-123/26
79-01-6	Trichloroethylene	ND		72.6	82.4	114	76.9	106	7	78-132/28
75-69-4	Trichlorofluoromethane	ND		72.6	87.6	121	83.0	115	5	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		72.6	61.9	85	57.7	80	7	74-138/30
75-01-4	Vinyl chloride	ND		72.6	83.4	115	75.9	105	9	60-145/29
108-05-4	Vinyl Acetate	ND		363	340	94	300	83	13	25-164/35
	m,p-Xylene	ND		145	164	113	148	102	10	82-128/25
95-47-6	o-Xylene	ND		72.6	82.3	113	72.5	100	13	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F49392-1	Limits
1868-53-7	Dibromofluoromethane	90%	96%	103%	80-121%
2037-26-5	Toluene-D8	95%	95%	97%	71-130%
460-00-4	4-Bromofluorobenzene	98%	100%	100%	59-148%
17060-07-0	1,2-Dichloroethane-D4	96%	90%	112%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49392-6MS	F021350.D	1	05/19/07	WJ	n/a	n/a	VF365
F49392-6MSD	F021351.D	1	05/19/07	WJ	n/a	n/a	VF365
F49392-6	F021349.D	1	05/19/07	WJ	n/a	n/a	VF365

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49392-2, F49392-3, F49392-4, F49392-5, F49392-6, F49392-7, F49392-8, F49392-9

CAS No.	Compound	F49392-6 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		292	133	46*	157	54*	17	61-144/29
75-05-8	Acetonitrile	ND		584	298	51*	291	50*	2	59-139/30
107-02-8	Acrolein	ND		292	327	112	465	159*	35	27-156/39
107-13-1	Acrylonitrile	ND		292	180	62	200	68	11	55-144/24
107-05-1	Allyl chloride	ND		58.4	36.5	63	45.0	77	21	41-152/24
71-43-2	Benzene	ND		58.4	48.2	83	57.9	99	18	78-130/25
100-44-7	Benzyl Chloride	ND		58.4	46.9	80	58.7	100	22	74-130/28
108-86-1	Bromobenzene	ND		58.4	50.1	86	61.1	104	20	78-123/30
74-97-5	Bromochloromethane	ND		58.4	51.6	88	59.6	102	14	72-122/23
75-27-4	Bromodichloromethane	ND		58.4	42.1	72*	49.5	84	16	73-122/25
75-25-2	Bromoform	ND		58.4	50.7	87	61.2	104	19	70-139/26
104-51-8	n-Butylbenzene	ND		58.4	45.9	79*	58.8	100	25	80-138/31
135-98-8	sec-Butylbenzene	ND		58.4	47.1	81*	61.3	105	26	82-132/29
98-06-6	tert-Butylbenzene	ND		58.4	42.6	73*	55.4	95	26	79-130/29
108-90-7	Chlorobenzene	ND		58.4	50.7	87	63.3	108	22	83-122/23
75-00-3	Chloroethane	ND		58.4	33.6	58*	41.9	71	22	61-153/31
67-66-3	Chloroform	ND		58.4	45.4	78*	54.5	93	18	79-129/27
544-10-5	1-Chlorohexane	ND		58.4	54.5	93	68.1	116	22	85-137/29
95-49-8	o-Chlorotoluene	ND		58.4	39.3	67*	55.6	95	34*	77-123/31
106-43-4	p-Chlorotoluene	ND		58.4	44.6	76*	55.8	95	22	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		292	176	60	217	74	21	52-142/25
75-15-0	Carbon disulfide	ND		58.4	51.0	87	60.4	103	17	61-142/27
56-23-5	Carbon tetrachloride	ND		58.4	48.8	84	59.0	101	19	79-135/29
75-34-3	1,1-Dichloroethane	ND		58.4	46.0	79	55.2	94	18	77-132/26
75-35-4	1,1-Dichloroethylene	ND		58.4	43.5	75	52.3	89	18	66-132/27
563-58-6	1,1-Dichloropropene	ND		58.4	49.3	84	59.9	102	19	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		58.4	34.9	60*	44.8	76	25	67-129/29
106-93-4	1,2-Dibromoethane	ND		58.4	47.8	82	57.4	98	18	77-126/24
107-06-2	1,2-Dichloroethane	ND		58.4	40.5	69*	47.4	81	16	78-129/24
78-87-5	1,2-Dichloropropane	ND		58.4	45.5	78	54.1	92	17	74-127/27
142-28-9	1,3-Dichloropropane	ND		58.4	43.7	75*	53.8	92	21	78-118/26
594-20-7	2,2-Dichloropropane	ND		58.4	45.5	78*	56.2	96	21	80-137/28
124-48-1	Dibromochloromethane	ND		58.4	47.1	81	56.3	96	18	78-117/27
75-71-8	Dichlorodifluoromethane	ND		58.4	61.8	106	74.0	126	18	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		58.4	49.3	84	58.0	99	16	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		58.4	46.9	80	56.0	96	18	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49392-6MS	F021350.D	1	05/19/07	WJ	n/a	n/a	VF365
F49392-6MSD	F021351.D	1	05/19/07	WJ	n/a	n/a	VF365
F49392-6	F021349.D	1	05/19/07	WJ	n/a	n/a	VF365

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49392-2, F49392-3, F49392-4, F49392-5, F49392-6, F49392-7, F49392-8, F49392-9

CAS No.	Compound	F49392-6 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		58.4	32.5	56*	39.7	68*	20	71-126/28
541-73-1	m-Dichlorobenzene	ND		58.4	51.4	88	64.3	110	22	82-126/29
95-50-1	o-Dichlorobenzene	ND		58.4	50.0	86	62.5	107	22	83-123/28
106-46-7	p-Dichlorobenzene	ND		58.4	51.2	88	63.8	109	22	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		58.4	45.5	78	55.2	94	19	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		58.4	46.1	79*	56.8	97	21	87-131/27
100-41-4	Ethylbenzene	ND		58.4	46.9	80*	58.8	100	23	82-124/25
97-63-2	Ethyl methacrylate	ND		58.4	39.7	68*	49.6	85	22	78-118/30
76-13-1	Freon 113	ND		58.4	54.1	93	64.1	109	17	62-147/29
591-78-6	2-Hexanone	ND		292	174	60*	217	74	22	67-130/29
87-68-3	Hexachlorobutadiene	ND		58.4	54.4	93	75.3	128	32	77-150/36
110-54-3	Hexane	ND		58.4	45.3	78	55.5	95	20	65-147/27
98-82-8	Isopropylbenzene	ND		58.4	54.1	93	67.7	115	22	82-133/27
99-87-6	p-Isopropyltoluene	ND		58.4	48.7	83	61.2	104	23	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		292	181	62*	224	76	21	69-125/24
126-98-7	Methacrylonitrile	ND		584	335	57*	398	68*	17	70-138/22
74-83-9	Methyl bromide	ND		58.4	40.2	69	49.5	84	21	60-146/31
74-87-3	Methyl chloride	ND		58.4	43.4	74	53.8	92	21	58-163/26
74-88-4	Methyl iodide	ND		58.4	54.8	94	63.0	107	14	66-128/27
80-62-6	Methyl methacrylate	ND		58.4	32.4	55*	39.1	67*	19	73-125/24
74-95-3	Methylene bromide	ND		58.4	47.1	81	55.4	95	16	75-128/26
75-09-2	Methylene chloride	ND		58.4	41.0	70	50.7	86	21	62-140/25
78-93-3	Methyl ethyl ketone	ND		292	168	58*	202	69	18	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		58.4	43.4	74	50.5	86	15	70-131/25
91-20-3	Naphthalene	ND		58.4	45.1	77	56.8	97	23	59-143/31
76-01-7	Pentachloroethane	ND		58.4	41.8	72	47.6	81	13	64-156/37
107-12-0	Propionitrile	ND		584	359	61*	423	72*	16	73-133/23
103-65-1	n-Propylbenzene	ND		58.4	45.3	78	57.4	98	24	78-129/29
100-42-5	Styrene	ND		58.4	48.9	84	60.8	104	22	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		58.4	49.7	85	59.8	102	18	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		58.4	47.2	81	56.8	97	18	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		58.4	40.4	69*	47.6	81	16	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		58.4	45.1	77	53.8	92	18	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		58.4	52.8	90	66.7	114	23	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		58.4	42.7	73*	51.0	87	18	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		58.4	55.1	94	69.1	118	23	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49392-6MS	F021350.D	1	05/19/07	WJ	n/a	n/a	VF365
F49392-6MSD	F021351.D	1	05/19/07	WJ	n/a	n/a	VF365
F49392-6	F021349.D	1	05/19/07	WJ	n/a	n/a	VF365

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49392-2, F49392-3, F49392-4, F49392-5, F49392-6, F49392-7, F49392-8, F49392-9

CAS No.	Compound	F49392-6 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		58.4	44.4	76*	55.6	95	22	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		58.4	45.6	78*	57.5	98	23	79-129/31
127-18-4	Tetrachloroethylene	ND		58.4	64.8	111	82.5	141*	24	79-132/27
108-88-3	Toluene	ND		58.4	50.9	87	62.2	106	20	80-123/26
79-01-6	Trichloroethylene	ND		58.4	51.5	88	62.1	106	19	78-132/28
75-69-4	Trichlorofluoromethane	ND		58.4	46.4	79	57.0	97	21	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		58.4	34.7	59*	42.7	73*	21	74-138/30
75-01-4	Vinyl chloride	ND		58.4	38.8	66	48.4	83	22	60-145/29
108-05-4	Vinyl Acetate	ND		292	196	67	230	78	16	25-164/35
	m,p-Xylene	ND		117	96.9	83	121	103	22	82-128/25
95-47-6	o-Xylene	ND		58.4	48.6	83	60.5	103	22	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F49392-6	Limits
1868-53-7	Dibromofluoromethane	96%	92%	97%	80-121%
2037-26-5	Toluene-D8	97%	98%	95%	71-130%
460-00-4	4-Bromofluorobenzene	104%	103%	105%	59-148%
17060-07-0	1,2-Dichloroethane-D4	79%	77%	74%* [a]	77-123%

(a) Outside control limits due to matrix interference. Confirmed by reanalysis.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49469-1MS	J029827.D	1	05/21/07	SH	n/a	n/a	VJ2127
F49469-1MSD	J029828.D	1	05/21/07	SH	n/a	n/a	VJ2127
F49469-1 [a]	J029826.D	1	05/21/07	SH	n/a	n/a	VJ2127

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49392-10

CAS No.	Compound	F49469-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	90.2	72	90.3	72	0	59-134/14
75-05-8	Acetonitrile	ND		250	278	111	274	110	1	57-123/15
107-02-8	Acrolein	ND		125	194	155	191	153	2	33-157/21
107-13-1	Acrylonitrile	ND		125	132	106	131	105	1	62-124/13
107-05-1	Allyl chloride	ND		25	25.6	102	25.2	101	2	48-136/13
71-43-2	Benzene	ND		25	28.1	112	28.0	112	0	83-124/11
100-44-7	Benzyl Chloride	ND		25	23.8	95	24.1	96	1	61-118/12
108-86-1	Bromobenzene	ND		25	24.1	96	24.1	96	0	83-115/10
74-97-5	Bromochloromethane	ND		25	22.4	90	22.6	90	1	78-112/10
75-27-4	Bromodichloromethane	ND		25	24.7	99	25.5	102	3	76-116/10
75-25-2	Bromoform	ND		25	21.4	86	22.0	88	3	68-128/11
104-51-8	n-Butylbenzene	ND		25	28.0	112	28.2	113	1	84-124/10
135-98-8	sec-Butylbenzene	ND		25	27.0	108	27.5	110	2	86-127/10
98-06-6	tert-Butylbenzene	ND		25	27.2	109	27.6	110	1	83-126/10
108-90-7	Chlorobenzene	ND		25	25.4	102	25.3	101	0	87-115/9
75-00-3	Chloroethane	ND		25	38.2	153	36.9	148	3	54-166/20
67-66-3	Chloroform	ND		25	26.6	106	27.4	110	3	85-123/10
544-10-5	1-Chlorohexane	ND		25	27.2	109	27.9	112	3	87-128/10
95-49-8	o-Chlorotoluene	ND		25	27.1	108	27.2	109	0	84-121/10
106-43-4	p-Chlorotoluene	ND		25	26.1	104	26.6	106	2	84-120/10
110-75-8	2-Chloroethyl vinyl ether	ND		125	ND	0*	ND	0*	nc	63-125/24
75-15-0	Carbon disulfide	ND		25	29.2	117	28.5	114	2	67-147/12
56-23-5	Carbon tetrachloride	ND		25	25.5	102	25.6	102	0	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	27.7	111	27.8	111	0	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	30.9	124	30.5	122	1	75-133/13
563-58-6	1,1-Dichloropropene	ND		25	27.5	110	28.2	113	3	87-127/10
96-12-8	1,2-Dibromo-3-chloropropane	ND		25	21.7	87	21.9	88	1	61-118/15
106-93-4	1,2-Dibromoethane	ND		25	22.3	89	23.0	92	3	80-115/10
107-06-2	1,2-Dichloroethane	ND		25	25.3	101	25.2	101	0	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	27.3	109	27.3	109	0	81-120/11
142-28-9	1,3-Dichloropropane	ND		25	23.6	94	24.6	98	4	81-113/11
594-20-7	2,2-Dichloropropane	ND		25	25.3	101	26.1	104	3	77-138/12
124-48-1	Dibromochloromethane	ND		25	21.1	84	21.9	88	4	74-116/11
75-71-8	Dichlorodifluoromethane	ND		25	36.0	144	38.2	153	6	34-158/22
156-59-2	cis-1,2-Dichloroethylene	ND		25	24.2	97	24.4	98	1	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	26.4	106	26.6	106	1	83-119/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49469-1MS	J029827.D	1	05/21/07	SH	n/a	n/a	VJ2127
F49469-1MSD	J029828.D	1	05/21/07	SH	n/a	n/a	VJ2127
F49469-1 [a]	J029826.D	1	05/21/07	SH	n/a	n/a	VJ2127

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49392-10

CAS No.	Compound	F49469-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		25	20.9	84	21.9	88	5	41-130/33
541-73-1	m-Dichlorobenzene	ND		25	23.8	95	24.1	96	1	86-115/9
95-50-1	o-Dichlorobenzene	ND		25	23.8	95	24.2	97	2	85-115/9
106-46-7	p-Dichlorobenzene	ND		25	24.7	99	24.7	99	0	87-113/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	27.5	110	27.4	110	0	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	26.5	106	27.7	111	4	87-123/10
100-41-4	Ethylbenzene	ND		25	25.9	104	25.9	104	0	87-118/10
97-63-2	Ethyl methacrylate	ND		25	23.9	96	25.1	100	5	68-110/11
76-13-1	Freon 113	ND		25	31.1	124	30.3	121	3	74-139/13
591-78-6	2-Hexanone	ND		125	128	102	129	103	1	58-125/14
87-68-3	Hexachlorobutadiene	ND		25	20.6	82	21.3	85	3	71-133/12
110-54-3	Hexane	ND		25	27.5	110	27.2	109	1	71-134/11
98-82-8	Isopropylbenzene	ND		25	25.4	102	26.2	105	3	87-131/10
99-87-6	p-Isopropyltoluene	ND		25	25.3	101	25.7	103	2	83-125/9
108-10-1	4-Methyl-2-pentanone	ND		125	139	111	140	112	1	62-125/13
126-98-7	Methacrylonitrile	ND		250	281	112	278	111	1	62-133/17
74-83-9	Methyl bromide	ND		25	31.7	127	30.6	122	4	55-151/21
74-87-3	Methyl chloride	ND		25	33.6	134	32.7	131	3	55-173/22
74-88-4	Methyl iodide	ND		25	26.3	105	26.0	104	1	72-125/11
80-62-6	Methyl methacrylate	ND		25	24.4	98	24.7	99	1	63-115/10
74-95-3	Methylene bromide	ND		25	24.9	100	25.6	102	3	81-116/10
75-09-2	Methylene chloride	ND		25	26.7	107	26.0	104	3	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	106	85	107	86	1	61-127/13
1634-04-4	Methyl Tert Butyl Ether	ND		25	22.7	91	23.2	93	2	75-116/10
91-20-3	Naphthalene	ND		25	19.0	76	20.2	81	6	59-125/15
76-01-7	Pentachloroethane	ND		25	21.1	84	21.5	86	2	82-111/8
107-12-0	Propionitrile	ND		250	267	107	267	107	0	69-119/12
103-65-1	n-Propylbenzene	ND		25	28.3	113	28.4	114	0	86-125/10
100-42-5	Styrene	ND		25	23.3	93	23.6	94	1	78-118/11
630-20-6	1,1,1,2-Tetrachloroethane	ND		25	22.4	90	23.3	93	4	81-119/10
71-55-6	1,1,1-Trichloroethane	ND		25	25.6	102	26.3	105	3	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	26.7	107	27.3	109	2	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	25.0	100	25.4	102	2	80-114/11
87-61-6	1,2,3-Trichlorobenzene	ND		25	18.5	74	19.9	80	7	64-126/16
96-18-4	1,2,3-Trichloropropane	ND		25	23.1	92	23.7	95	3	77-115/12
120-82-1	1,2,4-Trichlorobenzene	ND		25	20.1	80	21.3	85	6	68-123/11

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49469-1MS	J029827.D	1	05/21/07	SH	n/a	n/a	VJ2127
F49469-1MSD	J029828.D	1	05/21/07	SH	n/a	n/a	VJ2127
F49469-1 [a]	J029826.D	1	05/21/07	SH	n/a	n/a	VJ2127

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49392-10

CAS No.	Compound	F49469-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		25	25.2	101	25.6	102	2	82-120/10
108-67-8	1,3,5-Trimethylbenzene	ND		25	26.1	104	26.6	106	2	83-123/10
127-18-4	Tetrachloroethylene	ND		25	22.4	90	22.8	91	2	80-131/12
108-88-3	Toluene	ND		25	24.4	98	24.9	100	2	86-116/10
79-01-6	Trichloroethylene	ND		25	26.9	108	27.0	108	0	85-124/10
75-69-4	Trichlorofluoromethane	ND		25	41.4	166*	39.7	159*	4	66-156/15
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		25	23.3	93	24.4	98	5	51-137/24
75-01-4	Vinyl chloride	ND		25	31.4	126	31.9	128	2	57-153/22
108-05-4	Vinyl Acetate	ND		125	140	112	138	110	1	38-159/11
	m,p-Xylene	ND		50	52.3	105	52.6	105	1	86-121/10
95-47-6	o-Xylene	ND		25	24.5	98	25.4	102	4	83-121/10

CAS No.	Surrogate Recoveries	MS	MSD	F49469-1	Limits
1868-53-7	Dibromofluoromethane	97%	99%	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	100%	99%	99%	76-127%
2037-26-5	Toluene-D8	95%	97%	97%	86-112%
460-00-4	4-Bromofluorobenzene	105%	106%	109%	84-120%

(a) Confirmation run.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49486-32MS	F021378.D	1	05/21/07	WJ	n/a	n/a	VF366
F49486-32MSD	F021379.D	1	05/21/07	WJ	n/a	n/a	VF366
F49486-32 [a]	F021377.D	1	05/21/07	WJ	n/a	n/a	VF366

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49392-7

CAS No.	Compound	F49486-32 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		317	166	52*	130	41*	24	61-144/29
75-05-8	Acetonitrile	ND		634	329	52*	251	40*	27	59-139/30
107-02-8	Acrolein	ND		317	369	116	304	97	19	27-156/39
107-13-1	Acrylonitrile	ND		317	229	72	185	59	21	55-144/24
107-05-1	Allyl chloride	ND		63.4	69.5	110	63.5	101	9	41-152/24
71-43-2	Benzene	ND		63.4	73.2	115	67.6	108	8	78-130/25
100-44-7	Benzyl Chloride	ND		63.4	77.9	123	66.6	106	16	74-130/28
108-86-1	Bromobenzene	ND		63.4	99.6	157*	80.4	128*	21	78-123/30
74-97-5	Bromochloromethane	ND		63.4	62.9	99	56.1	89	11	72-122/23
75-27-4	Bromodichloromethane	ND		63.4	60.8	96	54.9	87	10	73-122/25
75-25-2	Bromoform	ND		63.4	53.4	84	48.5	77	10	70-139/26
104-51-8	n-Butylbenzene	ND		63.4	47.8	75*	40.3	64*	17	80-138/31
135-98-8	sec-Butylbenzene	ND		63.4	58.2	92	48.4	77*	18	82-132/29
98-06-6	tert-Butylbenzene	ND		63.4	66.6	105	54.6	87	20	79-130/29
108-90-7	Chlorobenzene	ND		63.4	71.6	113	65.9	105	8	83-122/23
75-00-3	Chloroethane	ND		63.4	82.9	131	74.3	118	11	61-153/31
67-66-3	Chloroform	ND		63.4	72.9	115	66.1	105	10	79-129/27
544-10-5	1-Chlorohexane	ND		63.4	58.3	92	53.2	85	9	85-137/29
95-49-8	o-Chlorotoluene	ND		63.4	92.0	145*	75.2	120	20	77-123/31
106-43-4	p-Chlorotoluene	ND		63.4	91.5	144*	74.8	119	20	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		317	205	65	189	60	8	52-142/25
75-15-0	Carbon disulfide	ND		63.4	81.3	128	74.2	118	9	61-142/27
56-23-5	Carbon tetrachloride	ND		63.4	73.8	116	66.2	105	11	79-135/29
75-34-3	1,1-Dichloroethane	ND		63.4	77.2	122	72.0	115	7	77-132/26
75-35-4	1,1-Dichloroethylene	ND		63.4	79.7	126	72.6	116	9	66-132/27
563-58-6	1,1-Dichloropropene	ND		63.4	77.2	122	70.8	113	9	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		63.4	67.1	106	50.4	80	28	67-129/29
106-93-4	1,2-Dibromoethane	ND		63.4	62.7	99	56.6	90	10	77-126/24
107-06-2	1,2-Dichloroethane	ND		63.4	59.4	94	54.5	87	9	78-129/24
78-87-5	1,2-Dichloropropane	ND		63.4	68.0	107	62.8	100	8	74-127/27
142-28-9	1,3-Dichloropropane	ND		63.4	66.9	106	60.7	97	10	78-118/26
594-20-7	2,2-Dichloropropane	ND		63.4	81.1	128	71.6	114	12	80-137/28
124-48-1	Dibromochloromethane	ND		63.4	65.5	103	57.9	92	12	78-117/27
75-71-8	Dichlorodifluoromethane	ND		63.4	121	191*	109	173*	10	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		63.4	71.2	112	66.1	105	7	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		63.4	63.0	99	59.1	94	6	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49486-32MS	F021378.D	1	05/21/07	WJ	n/a	n/a	VF366
F49486-32MSD	F021379.D	1	05/21/07	WJ	n/a	n/a	VF366
F49486-32 [a]	F021377.D	1	05/21/07	WJ	n/a	n/a	VF366

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49392-7

CAS No.	Compound	F49486-32 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		63.4	86.8	137*	65.1	104	29*	71-126/28
541-73-1	m-Dichlorobenzene	ND		63.4	73.6	116	62.0	99	17	82-126/29
95-50-1	o-Dichlorobenzene	ND		63.4	65.3	103	54.5	87	18	83-123/28
106-46-7	p-Dichlorobenzene	ND		63.4	74.0	117	64.8	103	13	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		63.4	78.7	124	70.9	113	10	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		63.4	75.3	119	68.4	109	10	87-131/27
100-41-4	Ethylbenzene	ND		63.4	68.7	108	61.9	98	10	82-124/25
97-63-2	Ethyl methacrylate	ND		63.4	45.1	71*	37.1	59*	19	78-118/30
76-13-1	Freon 113	ND		63.4	71.7	113	65.8	105	9	62-147/29
591-78-6	2-Hexanone	ND		317	259	82	219	70	17	67-130/29
87-68-3	Hexachlorobutadiene	ND		63.4	19.8	31*	18.5	29*	7	77-150/36
110-54-3	Hexane	ND		63.4	37.2	59*	33.1	53*	12	65-147/27
99-87-6	p-Isopropyltoluene	ND		63.4	57.5	91	48.2	77*	18	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		317	281	89	238	76	17	69-125/24
126-98-7	Methacrylonitrile	ND		634	434	68*	387	62*	11	70-138/22
74-83-9	Methyl bromide	ND		63.4	90.2	142	83.2	132	8	60-146/31
74-87-3	Methyl chloride	ND		63.4	94.8	150	86.2	137	10	58-163/26
74-88-4	Methyl iodide	ND		63.4	74.4	117	68.3	109	9	66-128/27
80-62-6	Methyl methacrylate	ND		63.4	49.3	78	43.7	70*	12	73-125/24
74-95-3	Methylene bromide	ND		63.4	56.6	89	52.0	83	8	75-128/26
75-09-2	Methylene chloride	ND		63.4	66.3	105	59.7	95	10	62-140/25
78-93-3	Methyl ethyl ketone	ND		317	192	61*	167	53*	14	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		63.4	57.5	91	51.2	81	12	70-131/25
91-20-3	Naphthalene	ND		63.4	30.7	48*	28.8	46*	6	59-143/31
76-01-7	Pentachloroethane	ND		63.4	78.0	123	59.4	95	27	64-156/37
107-12-0	Propionitrile	ND		634	406	64*	342	54*	17	73-133/23
103-65-1	n-Propylbenzene	ND		63.4	86.1	136*	70.3	112	20	78-129/29
100-42-5	Styrene	ND		63.4	61.5	97	56.7	90	8	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		63.4	70.9	112	63.3	101	11	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		63.4	78.0	123	70.0	111	11	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		63.4	88.3	139*	69.7	111	24	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		63.4	66.3	105	60.1	96	10	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		63.4	23.2	37*	22.8	36*	2	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		63.4	96.1	152*	75.2	120	24	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		63.4	29.3	46*	27.8	44*	5	82-137/32
95-63-6	1,2,4-Trimethylbenzene	ND		63.4	73.7	116	60.0	95	20	77-129/29

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49486-32MS	F021378.D	1	05/21/07	WJ	n/a	n/a	VF366
F49486-32MSD	F021379.D	1	05/21/07	WJ	n/a	n/a	VF366
F49486-32 [a]	F021377.D	1	05/21/07	WJ	n/a	n/a	VF366

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49392-7

CAS No.	Compound	F49486-32 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
108-67-8	1,3,5-Trimethylbenzene	ND		63.4	74.8	118	62.0	99	19	79-129/31
127-18-4	Tetrachloroethylene	ND		63.4	76.3	120	69.8	111	9	79-132/27
108-88-3	Toluene	ND		63.4	87.3	138*	78.1	124*	11	80-123/26
79-01-6	Trichloroethylene	ND		63.4	73.0	115	67.3	107	8	78-132/28
75-69-4	Trichlorofluoromethane	ND		63.4	91.0	144	83.5	133	9	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		63.4	91.5	144*	71.0	113	25	74-138/30
75-01-4	Vinyl chloride	ND		63.4	90.6	143	83.0	132	9	60-145/29
108-05-4	Vinyl Acetate	ND		317	29.3	9*	19.4	6*	41*	25-164/35
	m,p-Xylene	ND		127	135	106	122	97	10	82-128/25
95-47-6	o-Xylene	ND		63.4	64.7	102	58.5	93	10	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F49486-32	Limits
1868-53-7	Dibromofluoromethane	99%	95%	100%	80-121%
2037-26-5	Toluene-D8	118%	114%	110%	71-130%
460-00-4	4-Bromofluorobenzene	153%*	139%	120%	59-148%
17060-07-0	1,2-Dichloroethane-D4	84%	82%	92%	77-123%

(a) Sample was received in a bulk container but was not preserved within 48 hours of sampling.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49371-3MS	H043720.D	1	05/21/07	WJ	n/a	n/a	VH1631
F49371-3MSD	H043721.D	1	05/21/07	WJ	n/a	n/a	VH1631
F49371-3	H043719.D	1	05/21/07	WJ	n/a	n/a	VH1631

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49392-2, F49392-5

CAS No.	Compound	F49371-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
98-82-8	Isopropylbenzene	ND		54.5	63.3	116	56.9	104	11	82-133/27

CAS No.	Surrogate Recoveries	MS	MSD	F49371-3	Limits
1868-53-7	Dibromofluoromethane	105%	102%	104%	80-121%
2037-26-5	Toluene-D8	102%	101%	108%	71-130%
460-00-4	4-Bromofluorobenzene	110%	111%	120%	59-148%
17060-07-0	1,2-Dichloroethane-D4	111%	111%	103%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49463-4MS	F021433.D	1	05/23/07	WJ	n/a	n/a	VF368
F49463-4MSD	F021434.D	1	05/23/07	WJ	n/a	n/a	VF368
F49463-4	F021432.D	1	05/23/07	WJ	n/a	n/a	VF368

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49392-3

CAS No.	Compound	F49463-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
98-82-8	Isopropylbenzene	ND		54.6	76.7	141*	73.2	134*	5	82-133/27

CAS No.	Surrogate Recoveries	MS	MSD	F49463-4	Limits
1868-53-7	Dibromofluoromethane	97%	94%	103%	80-121%
2037-26-5	Toluene-D8	100%	98%	101%	71-130%
460-00-4	4-Bromofluorobenzene	94%	93%	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	96%	91%	108%	77-123%

GC/MS Semi-volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20671-MB	U002174.D	1	05/22/07	NJ	05/21/07	OP20671	SU110

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49392-1, F49392-2, F49392-3, F49392-4, F49392-5, F49392-6, F49392-7, F49392-8, F49392-9

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	830	330	ug/kg	
95-57-8	2-Chlorophenol	ND	170	33	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	33	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	33	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	830	330	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	330	67	ug/kg	
95-48-7	2-Methylphenol	ND	170	33	ug/kg	
	3&4-Methylphenol	ND	170	33	ug/kg	
88-75-5	2-Nitrophenol	ND	170	33	ug/kg	
100-02-7	4-Nitrophenol	ND	830	330	ug/kg	
87-86-5	Pentachlorophenol	ND	830	330	ug/kg	
108-95-2	Phenol	ND	170	33	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	33	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	33	ug/kg	
83-32-9	Acenaphthene	ND	170	33	ug/kg	
208-96-8	Acenaphthylene	ND	170	33	ug/kg	
120-12-7	Anthracene	ND	170	33	ug/kg	
92-87-5	Benzidine	ND	1700	830	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	33	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	33	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	33	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	67	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	33	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	33	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	330	83	ug/kg	
100-51-6	Benzyl Alcohol	ND	170	33	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	33	ug/kg	
106-47-8	4-Chloroaniline	ND	330	130	ug/kg	
218-01-9	Chrysene	ND	170	33	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	33	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	67	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	170	33	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	33	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	33	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	170	33	ug/kg	

Method Blank Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20671-MB	U002174.D	1	05/22/07	NJ	05/21/07	OP20671	SU110

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49392-1, F49392-2, F49392-3, F49392-4, F49392-5, F49392-6, F49392-7, F49392-8, F49392-9

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	170	33	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	67	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	67	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	330	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	67	ug/kg	
132-64-9	Dibenzofuran	ND	170	33	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	330	83	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	330	170	ug/kg	
84-66-2	Diethyl phthalate	ND	330	83	ug/kg	
131-11-3	Dimethyl phthalate	ND	330	83	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	170	ug/kg	
206-44-0	Fluoranthene	ND	170	33	ug/kg	
86-73-7	Fluorene	ND	170	33	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	33	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	67	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	67	ug/kg	
67-72-1	Hexachloroethane	ND	170	67	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	67	ug/kg	
78-59-1	Isophorone	ND	170	33	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	33	ug/kg	
88-74-4	2-Nitroaniline	ND	330	83	ug/kg	
99-09-2	3-Nitroaniline	ND	330	83	ug/kg	
100-01-6	4-Nitroaniline	ND	330	120	ug/kg	
91-20-3	Naphthalene	ND	170	33	ug/kg	
98-95-3	Nitrobenzene	ND	170	33	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	67	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	33	ug/kg	
85-01-8	Phenanthrene	ND	170	33	ug/kg	
129-00-0	Pyrene	ND	170	67	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	33	ug/kg	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	71%	40-102%
4165-62-2	Phenol-d5	75%	41-100%

Method Blank Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20671-MB	U002174.D	1	05/22/07	NJ	05/21/07	OP20671	SU110

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49392-1, F49392-2, F49392-3, F49392-4, F49392-5, F49392-6, F49392-7, F49392-8, F49392-9

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	74%	42-108%
4165-60-0	Nitrobenzene-d5	69%	40-105%
321-60-8	2-Fluorobiphenyl	69%	43-107%
1718-51-0	Terphenyl-d14	79%	45-119%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
4161	2-Pentanone, 4-hydroxy-	3.48	200	ug/kg	JN
123	2-Pentanone, 4-hydroxy-4-methyl-	3.70	11000	ug/kg	JN
	Total TIC, Semi-Volatile		11200	ug/kg	J

Method Blank Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20671-MB	U002202.D	1	05/23/07	NJ	05/21/07	OP20671	SU111

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49392-1, F49392-2, F49392-3, F49392-4, F49392-5, F49392-6, F49392-7, F49392-8, F49392-9

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	830	330	ug/kg	
95-57-8	2-Chlorophenol	ND	170	33	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	33	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	33	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	830	330	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	330	67	ug/kg	
95-48-7	2-Methylphenol	ND	170	33	ug/kg	
	3&4-Methylphenol	ND	170	33	ug/kg	
88-75-5	2-Nitrophenol	ND	170	33	ug/kg	
100-02-7	4-Nitrophenol	ND	830	330	ug/kg	
87-86-5	Pentachlorophenol	ND	830	330	ug/kg	
108-95-2	Phenol	ND	170	33	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	33	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	33	ug/kg	
83-32-9	Acenaphthene	ND	170	33	ug/kg	
208-96-8	Acenaphthylene	ND	170	33	ug/kg	
120-12-7	Anthracene	ND	170	33	ug/kg	
92-87-5	Benzidine	ND	1700	830	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	33	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	33	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	33	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	67	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	33	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	33	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	330	83	ug/kg	
100-51-6	Benzyl Alcohol	ND	170	33	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	33	ug/kg	
106-47-8	4-Chloroaniline	ND	330	130	ug/kg	
218-01-9	Chrysene	ND	170	33	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	33	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	67	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	170	33	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	33	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	33	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	170	33	ug/kg	

Method Blank Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20671-MB	U002202.D	1	05/23/07	NJ	05/21/07	OP20671	SU111

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49392-1, F49392-2, F49392-3, F49392-4, F49392-5, F49392-6, F49392-7, F49392-8, F49392-9

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	170	33	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	67	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	67	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	330	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	67	ug/kg	
132-64-9	Dibenzofuran	ND	170	33	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	330	83	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	330	170	ug/kg	
84-66-2	Diethyl phthalate	ND	330	83	ug/kg	
131-11-3	Dimethyl phthalate	ND	330	83	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	170	ug/kg	
206-44-0	Fluoranthene	ND	170	33	ug/kg	
86-73-7	Fluorene	ND	170	33	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	33	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	67	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	67	ug/kg	
67-72-1	Hexachloroethane	ND	170	67	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	67	ug/kg	
78-59-1	Isophorone	ND	170	33	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	33	ug/kg	
88-74-4	2-Nitroaniline	ND	330	83	ug/kg	
99-09-2	3-Nitroaniline	ND	330	83	ug/kg	
100-01-6	4-Nitroaniline	ND	330	120	ug/kg	
91-20-3	Naphthalene	ND	170	33	ug/kg	
98-95-3	Nitrobenzene	ND	170	33	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	67	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	33	ug/kg	
85-01-8	Phenanthrene	ND	170	33	ug/kg	
129-00-0	Pyrene	ND	170	67	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	33	ug/kg	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	71%	40-102%
4165-62-2	Phenol-d5	75%	41-100%

Method Blank Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20671-MB	U002202.D	1	05/23/07	NJ	05/21/07	OP20671	SU111

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49392-1, F49392-2, F49392-3, F49392-4, F49392-5, F49392-6, F49392-7, F49392-8, F49392-9

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	68%	42-108%
4165-60-0	Nitrobenzene-d5	69%	40-105%
321-60-8	2-Fluorobiphenyl	69%	43-107%
1718-51-0	Terphenyl-d14	76%	45-119%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
4161	2-Pentanone, 4-hydroxy-	3.46	190	ug/kg	JN
123	2-Pentanone, 4-hydroxy-4-methyl-	3.67	12000	ug/kg	JN
	Total TIC, Semi-Volatile		12190	ug/kg	J

Blank Spike Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20671-BS	U002173.D	1	05/22/07	NJ	05/21/07	OP20671	SU110

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49392-1, F49392-2, F49392-3, F49392-4, F49392-5, F49392-6, F49392-7, F49392-8, F49392-9

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
65-85-0	Benzoic acid	3330	2290	69	44-116
95-57-8	2-Chlorophenol	1670	1060	64	54-97
59-50-7	4-Chloro-3-methyl phenol	1670	1150	69	59-102
120-83-2	2,4-Dichlorophenol	1670	1160	70	60-101
105-67-9	2,4-Dimethylphenol	1670	1040	62	49-89
51-28-5	2,4-Dinitrophenol	3330	2090	63	39-107
534-52-1	4,6-Dinitro-o-cresol	3330	2290	69	58-109
95-48-7	2-Methylphenol	1670	1030	62	53-94
	3&4-Methylphenol	3330	2080	62	54-95
88-75-5	2-Nitrophenol	1670	1090	65	55-96
100-02-7	4-Nitrophenol	3330	2300	69	56-106
87-86-5	Pentachlorophenol	3330	2260	68	50-115
108-95-2	Phenol	1670	1080	65	55-99
95-95-4	2,4,5-Trichlorophenol	1670	1140	68	60-101
88-06-2	2,4,6-Trichlorophenol	1670	1130	68	60-100
83-32-9	Acenaphthene	1670	1120	67	59-97
208-96-8	Acenaphthylene	1670	1120	67	58-98
120-12-7	Anthracene	1670	1150	69	61-104
56-55-3	Benzo(a)anthracene	1670	1130	68	60-106
50-32-8	Benzo(a)pyrene	1670	1120	67	59-102
205-99-2	Benzo(b)fluoranthene	1670	1120	67	60-107
191-24-2	Benzo(g,h,i)perylene	1670	1120	67	56-103
207-08-9	Benzo(k)fluoranthene	1670	1150	69	61-107
101-55-3	4-Bromophenyl phenyl ether	1670	1140	68	60-104
85-68-7	Butyl benzyl phthalate	1670	1100	66	57-110
100-51-6	Benzyl Alcohol	1670	1030	62	51-102
91-58-7	2-Chloronaphthalene	1670	1090	65	57-95
106-47-8	4-Chloroaniline	1670	611	37	19-85
218-01-9	Chrysene	1670	1130	68	60-107
111-91-1	bis(2-Chloroethoxy)methane	1670	973	58	51-89
111-44-4	bis(2-Chloroethyl)ether	1670	976	59	50-96
108-60-1	bis(2-Chloroisopropyl)ether	1670	836	50	44-94
7005-72-3	4-Chlorophenyl phenyl ether	1670	1100	66	60-101
95-50-1	1,2-Dichlorobenzene	1670	981	59	47-91
541-73-1	1,3-Dichlorobenzene	1670	945	57	45-86
106-46-7	1,4-Dichlorobenzene	1670	945	57	45-88

Blank Spike Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20671-BS	U002173.D	1	05/22/07	NJ	05/21/07	OP20671	SU110

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49392-1, F49392-2, F49392-3, F49392-4, F49392-5, F49392-6, F49392-7, F49392-8, F49392-9

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
121-14-2	2,4-Dinitrotoluene	1670	1110	67	59-103
606-20-2	2,6-Dinitrotoluene	1670	1040	62	57-99
91-94-1	3,3'-Dichlorobenzidine	1670	743	45	34-88
53-70-3	Dibenzo(a,h)anthracene	1670	1090	65	57-105
132-64-9	Dibenzofuran	1670	1110	67	58-103
84-74-2	Di-n-butyl phthalate	1670	1130	68	59-105
117-84-0	Di-n-octyl phthalate	1670	1060	64	59-117
84-66-2	Diethyl phthalate	1670	1130	68	59-106
131-11-3	Dimethyl phthalate	1670	1100	66	60-100
117-81-7	bis(2-Ethylhexyl)phthalate	1670	1060	64	57-111
206-44-0	Fluoranthene	1670	1150	69	60-110
86-73-7	Fluorene	1670	1140	68	60-99
118-74-1	Hexachlorobenzene	1670	1130	68	58-103
87-68-3	Hexachlorobutadiene	1670	1110	67	49-95
77-47-4	Hexachlorocyclopentadiene	1670	1060	64	36-94
67-72-1	Hexachloroethane	1670	951	57	44-89
193-39-5	Indeno(1,2,3-cd)pyrene	1670	1070	64	57-104
78-59-1	Isophorone	1670	1070	64	58-97
91-57-6	2-Methylnaphthalene	1670	1110	67	57-103
88-74-4	2-Nitroaniline	1670	1130	68	53-106
99-09-2	3-Nitroaniline	1670	683	41	29-85
100-01-6	4-Nitroaniline	1670	1050	63	49-104
91-20-3	Naphthalene	1670	1060	64	54-93
98-95-3	Nitrobenzene	1670	1030	62	53-92
621-64-7	N-Nitroso-di-n-propylamine	1670	971	58	49-94
86-30-6	N-Nitrosodiphenylamine	1670	1120	67	53-107
85-01-8	Phenanthrene	1670	1170	70	61-103
129-00-0	Pyrene	1670	1170	70	58-109
120-82-1	1,2,4-Trichlorobenzene	1670	1060	64	52-93

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	65%	40-102%
4165-62-2	Phenol-d5	69%	41-100%
118-79-6	2,4,6-Tribromophenol	70%	42-108%

Blank Spike Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20671-BS	U002173.D	1	05/22/07	NJ	05/21/07	OP20671	SU110

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49392-1, F49392-2, F49392-3, F49392-4, F49392-5, F49392-6, F49392-7, F49392-8, F49392-9

CAS No.	Surrogate Recoveries	BSP	Limits
4165-60-0	Nitrobenzene-d5	64%	40-105%
321-60-8	2-Fluorobiphenyl	63%	43-107%
1718-51-0	Terphenyl-d14	67%	45-119%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20671-MS	U002179.D	1	05/22/07	NJ	05/21/07	OP20671	SU110
OP20671-MSD	U002180.D	1	05/22/07	NJ	05/21/07	OP20671	SU110
F49337-4	U002178.D	1	05/22/07	NJ	05/21/07	OP20671	SU110

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49392-1, F49392-2, F49392-3, F49392-4, F49392-5, F49392-6, F49392-7, F49392-8, F49392-9

CAS No.	Compound	F49337-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic acid	ND		3300	1220	37*	1580	48	26	44-116/36
95-57-8	2-Chlorophenol	ND		1650	815	49*	1010	61	21	54-97/31
59-50-7	4-Chloro-3-methyl phenol	ND		1650	896	54*	1220	74	31*	59-102/27
120-83-2	2,4-Dichlorophenol	ND		1650	879	53*	1140	69	26	60-101/30
105-67-9	2,4-Dimethylphenol	ND		1650	799	48*	1010	61	23	49-89/31
51-28-5	2,4-Dinitrophenol	ND		3300	850	26*	1040	32*	20	39-107/40
534-52-1	4,6-Dinitro-o-cresol	ND		3300	1430	43*	1770	54*	21	58-109/37
95-48-7	2-Methylphenol	ND		1650	808	49*	1010	61	22	53-94/29
	3&4-Methylphenol	ND		3300	1640	50*	2080	63	24	54-95/31
88-75-5	2-Nitrophenol	ND		1650	832	50*	1050	64	23	55-96/30
100-02-7	4-Nitrophenol	ND		3300	1720	52*	2520	77	38*	56-106/29
87-86-5	Pentachlorophenol	ND		3300	1570	48*	2300	70	38*	50-115/33
108-95-2	Phenol	ND		1650	837	51*	1050	64	23	55-99/28
95-95-4	2,4,5-Trichlorophenol	ND		1650	858	52*	1200	73	33*	60-101/28
88-06-2	2,4,6-Trichlorophenol	ND		1650	876	53*	1200	73	31*	60-100/27
83-32-9	Acenaphthene	ND		1650	875	53*	1150	70	27	59-97/29
208-96-8	Acenaphthylene	ND		1650	878	53*	1150	70	27	58-98/30
120-12-7	Anthracene	ND		1650	917	56*	1280	78	33*	61-104/29
92-87-5	Benzidine	ND		1650	ND	0*	ND	0*	nc	10-151/50
56-55-3	Benzo(a)anthracene	ND		1650	884	54*	1260	77	35*	60-106/31
50-32-8	Benzo(a)pyrene	ND		1650	879	53*	1280	78	37*	59-102/32
205-99-2	Benzo(b)fluoranthene	ND		1650	862	52*	1280	78	39*	60-107/31
191-24-2	Benzo(g,h,i)perylene	ND		1650	846	51*	1240	75	38*	56-103/32
207-08-9	Benzo(k)fluoranthene	ND		1650	931	56*	1310	80	34*	61-107/30
101-55-3	4-Bromophenyl phenyl ether	ND		1650	898	54*	1240	75	32*	60-104/26
85-68-7	Butyl benzyl phthalate	ND		1650	857	52*	1230	75	36*	57-110/28
100-51-6	Benzyl Alcohol	ND		1650	840	51	1080	66	25	51-102/34
91-58-7	2-Chloronaphthalene	ND		1650	832	50*	1050	64	23	57-95/28
106-47-8	4-Chloroaniline	ND		1650	754	46	1000	61	28	19-85/34
218-01-9	Chrysene	ND		1650	882	53*	1280	78	37*	60-107/31
111-91-1	bis(2-Chloroethoxy)methane	ND		1650	735	45*	919	56	22	51-89/30
111-44-4	bis(2-Chloroethyl)ether	ND		1650	717	43*	894	54	22	50-96/33
108-60-1	bis(2-Chloroisopropyl)ether	ND		1650	608	37*	744	45	20	44-94/32
7005-72-3	4-Chlorophenyl phenyl ether	ND		1650	873	53*	1190	72	31*	60-101/26
95-50-1	1,2-Dichlorobenzene	ND		1650	677	41*	785	48	15	47-91/35
541-73-1	1,3-Dichlorobenzene	ND		1650	628	38*	710	43*	12	45-86/36

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20671-MS	U002179.D	1	05/22/07	NJ	05/21/07	OP20671	SU110
OP20671-MSD	U002180.D	1	05/22/07	NJ	05/21/07	OP20671	SU110
F49337-4	U002178.D	1	05/22/07	NJ	05/21/07	OP20671	SU110

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49392-1, F49392-2, F49392-3, F49392-4, F49392-5, F49392-6, F49392-7, F49392-8, F49392-9

CAS No.	Compound	F49337-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
106-46-7	1,4-Dichlorobenzene	ND		1650	640	39*	728	44*	13	45-88/36
121-14-2	2,4-Dinitrotoluene	ND		1650	881	53*	1250	76	35*	59-103/30
606-20-2	2,6-Dinitrotoluene	ND		1650	804	49*	1140	69	35*	57-99/30
91-94-1	3,3'-Dichlorobenzidine	ND		1650	776	47	1160	70	40*	34-88/31
53-70-3	Dibenzo(a,h)anthracene	ND		1650	818	50*	1220	74	39*	57-105/29
132-64-9	Dibenzofuran	ND		1650	889	54*	1200	73	30*	58-103/27
84-74-2	Di-n-butyl phthalate	ND		1650	911	55*	1290	78	34*	59-105/27
117-84-0	Di-n-octyl phthalate	ND		1650	834	51*	1220	74	38*	59-117/28
84-66-2	Diethyl phthalate	ND		1650	898	54*	1270	77	34*	59-106/27
131-11-3	Dimethyl phthalate	ND		1650	877	53*	1220	74	33*	60-100/26
117-81-7	bis(2-Ethylhexyl)phthalate	ND		1650	845	51*	1190	72	34*	57-111/29
206-44-0	Fluoranthene	ND		1650	903	55*	1300	79	36*	60-110/32
86-73-7	Fluorene	ND		1650	895	54*	1220	74	31*	60-99/30
118-74-1	Hexachlorobenzene	ND		1650	893	54*	1250	76	33*	58-103/27
87-68-3	Hexachlorobutadiene	ND		1650	767	46*	904	55	16	49-95/33
77-47-4	Hexachlorocyclopentadiene	ND		1650	644	39	826	50	25	36-94/41
67-72-1	Hexachloroethane	ND		1650	611	37*	698	42*	13	44-89/38
193-39-5	Indeno(1,2,3-cd)pyrene	ND		1650	822	50*	1250	76	41*	57-104/33
78-59-1	Isophorone	ND		1650	820	50*	1040	63	24	58-97/30
91-57-6	2-Methylnaphthalene	ND		1650	869	53*	1080	66	22	57-103/32
88-74-4	2-Nitroaniline	ND		1650	881	53	1260	77	35*	53-106/29
99-09-2	3-Nitroaniline	ND		1650	758	46	1130	69	39*	29-85/31
100-01-6	4-Nitroaniline	ND		1650	859	52	1250	76	37*	49-104/31
91-20-3	Naphthalene	ND		1650	774	47*	939	57	19	54-93/32
98-95-3	Nitrobenzene	ND		1650	767	46*	937	57	20	53-92/32
621-64-7	N-Nitroso-di-n-propylamine	ND		1650	752	46*	951	58	23	49-94/28
86-30-6	N-Nitrosodiphenylamine	ND		1650	894	54	1250	76	33*	53-107/28
85-01-8	Phenanthrene	ND		1650	904	55*	1260	77	33*	61-103/32
129-00-0	Pyrene	ND		1650	925	56*	1290	78	33	58-109/33
120-82-1	1,2,4-Trichlorobenzene	ND		1650	754	46*	906	55	18	52-93/32

CAS No.	Surrogate Recoveries	MS	MSD	F49337-4	Limits
367-12-4	2-Fluorophenol	52%	67%	51%	40-102%
4165-62-2	Phenol-d5	55%	70%	53%	41-100%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20671-MS	U002179.D	1	05/22/07	NJ	05/21/07	OP20671	SU110
OP20671-MSD	U002180.D	1	05/22/07	NJ	05/21/07	OP20671	SU110
F49337-4	U002178.D	1	05/22/07	NJ	05/21/07	OP20671	SU110

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49392-1, F49392-2, F49392-3, F49392-4, F49392-5, F49392-6, F49392-7, F49392-8, F49392-9

CAS No.	Surrogate Recoveries	MS	MSD	F49337-4	Limits
118-79-6	2,4,6-Tribromophenol	55%	79%	59%	42-108%
4165-60-0	Nitrobenzene-d5	50%	63%	50%	40-105%
321-60-8	2-Fluorobiphenyl	51%	66%	50%	43-107%
1718-51-0	Terphenyl-d14	54%	77%	64%	45-119%

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3194-MB	CD077045.D	1	05/16/07	MM	n/a	n/a	GCD3194

The QC reported here applies to the following samples: **Method:** SW846 8015

F49392-1, F49392-3, F49392-4, F49392-6, F49392-7, F49392-8

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	78%	56-136%
98-08-8	aaa-Trifluorotoluene	78%	61-121%

Method Blank Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3197-MB	CD077101.D	1	05/17/07	MM	n/a	n/a	GCD3197

The QC reported here applies to the following samples: **Method:** SW846 8015

F49392-2, F49392-5, F49392-9

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	82%	56-136%
98-08-8	aaa-Trifluorotoluene	85%	61-121%

Blank Spike Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3194-BS	CD077044.D	1	05/16/07	MM	n/a	n/a	GCD3194

The QC reported here applies to the following samples: **Method:** SW846 8015

F49392-1, F49392-3, F49392-4, F49392-6, F49392-7, F49392-8

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	20.1	101	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	89%	56-136%
98-08-8	aaa-Trifluorotoluene	95%	61-121%

Blank Spike Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3197-BS	CD077100.D	1	05/17/07	MM	n/a	n/a	GCD3197

The QC reported here applies to the following samples: **Method:** SW846 8015

F49392-2, F49392-5, F49392-9

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	20.8	104	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	88%	56-136%
98-08-8	aaa-Trifluorotoluene	84%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49416-2MS	CD077070.D	1	05/16/07	MM	n/a	n/a	GCD3194
F49416-2MSD	CD077071.D	1	05/16/07	MM	n/a	n/a	GCD3194
F49416-2	CD077069.D	1	05/16/07	MM	n/a	n/a	GCD3194

The QC reported here applies to the following samples: **Method:** SW846 8015

F49392-1, F49392-3, F49392-4, F49392-6, F49392-7, F49392-8

CAS No.	Compound	F49416-2 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		33.3	31.0	93	32.5	98	5	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F49416-2	Limits
460-00-4	4-Bromofluorobenzene	94%	104%	86%	56-136%
98-08-8	aaa-Trifluorotoluene	91%	94%	89%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49416-5MS	CD077114.D	1	05/17/07	MM	n/a	n/a	GCD3197
F49416-5MSD	CD077115.D	1	05/17/07	MM	n/a	n/a	GCD3197
F49416-5	CD077104.D	1	05/17/07	MM	n/a	n/a	GCD3197

The QC reported here applies to the following samples: **Method:** SW846 8015

F49392-2, F49392-5, F49392-9

CAS No.	Compound	F49416-5 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		28.4	27.8	98	29.8	105	7	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F49416-5	Limits
460-00-4	4-Bromofluorobenzene	113%	107%	100%	56-136%
98-08-8	aaa-Trifluorotoluene	108%	108%	82%	61-121%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20658-MB	YY02460.D	1	05/22/07	MG	05/21/07	OP20658	GYY96

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F49392-1, F49392-2, F49392-3, F49392-4, F49392-5, F49392-6, F49392-7, F49392-8, F49392-9

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	73%	49-108%

Blank Spike Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20658-BS	YY02459.D	1	05/22/07	MG	05/21/07	OP20658	GYY96

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F49392-1, F49392-2, F49392-3, F49392-4, F49392-5, F49392-6, F49392-7, F49392-8, F49392-9

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	24.7	74	64-102
	TPH (> C22-C36)	33.3	27.7	83	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	73%	49-108%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49392
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20658-MS	YY02475.D	1	05/22/07	MG	05/21/07	OP20658	GYY96
OP20658-MSD	YY02476.D	1	05/22/07	MG	05/21/07	OP20658	GYY96
F49392-6	YY02474.D	1	05/22/07	MG	05/21/07	OP20658	GYY96

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F49392-1, F49392-2, F49392-3, F49392-4, F49392-5, F49392-6, F49392-7, F49392-8, F49392-9

CAS No.	Compound	F49392-6 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		38.2	26.2	69	24.3	63*	8	64-102/32
	TPH (> C22-C36)	ND		38.2	30.4	80	28.7	74	6	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F49392-6	Limits
84-15-1	o-Terphenyl	71%	65%	73%	49-108%

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F49392
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11962
Matrix Type: SOLID

Methods: SW846 7471A
Units: mg/kg

Prep Date: 05/12/07

Metal	RL	IDL	MB raw	final
Mercury	0.083	.0067	-0.0071	<0.083

Associated samples MP11962: F49392-1, F49392-2, F49392-3, F49392-4, F49392-5, F49392-6, F49392-7, F49392-8, F49392-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F49392
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11962
Matrix Type: SOLID

Methods: SW846 7471A
Units: mg/kg

Prep Date: 05/12/07 05/12/07

Metal	F49392-1 Original	DUP	RPD	QC Limits	F49392-1 Original	MS	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.0	0.0	NC	0-20	0.0	0.25	0.266	94.0	80-120

Associated samples MP11962: F49392-1, F49392-2, F49392-3, F49392-4, F49392-5, F49392-6, F49392-7, F49392-8, F49392-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F49392
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11962 Methods: SW846 7471A
Matrix Type: SOLID Units: mg/kg

Prep Date: 05/12/07

Metal	F49392-1 Original	MSD	Spikelot HGFLWS1	% Rec	MSD RPD	QC Limit
Mercury	0.0	0.28	0.288	97.4	11.3	20

Associated samples MP11962: F49392-1, F49392-2, F49392-3, F49392-4, F49392-5, F49392-6, F49392-7, F49392-8, F49392-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F49392
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11962
Matrix Type: SOLID

Methods: SW846 7471A
Units: mg/kg

Prep Date: 05/12/07

Metal	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.23	0.25	92.0	80-120

Associated samples MP11962: F49392-1, F49392-2, F49392-3, F49392-4, F49392-5, F49392-6, F49392-7, F49392-8, F49392-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: F49392
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11962 Methods: SW846 7471A
Matrix Type: SOLID Units: ug/l

Prep Date: 05/12/07

Metal	F49392-1 Original	SDL 1:5	RPD	QC Limits
Mercury	0.00	0.00	NC	0-10

Associated samples MP11962: F49392-1, F49392-2, F49392-3, F49392-4, F49392-5, F49392-6, F49392-7, F49392-8, F49392-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F49392
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12008
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 05/17/07

Metal	RL	IDL	MB raw	final
Aluminum	10	.9		
Antimony	3.0	.17		
Arsenic	0.40	.14	-0.15	<0.40
Barium	10	.25	0.0095	<10
Beryllium	0.25	.05		
Cadmium	0.20	.05	0.0085	<0.20
Calcium	250	2.1		
Chromium	0.50	.03	0.017	<0.50
Cobalt	2.5	.05		
Copper	1.3	.045		
Iron	5.0	.6		
Lead	5.0	.085	0.25	<5.0
Magnesium	250	.22		
Manganese	0.75	.03		
Molybdenum	2.5	.065		
Nickel	2.0	.05		
Potassium	500	.5		
Selenium	5.0	.1	-0.064	<5.0
Silver	0.50	.045	-0.014	<0.50
Sodium	500	25		
Thallium	0.50	.12		
Tin	2.5	.16		
Vanadium	2.5	.03		
Zinc	1.0	.065		

Associated samples MP12008: F49392-1, F49392-2, F49392-3, F49392-4, F49392-5, F49392-6, F49392-7, F49392-8, F49392-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F49392
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12008
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date:			05/17/07					05/17/07	
Metal	F49392-1 Original	DUP	RPD	QC Limits	F49392-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic	1.0	1.0	0.0	0-20	1.0	97.8	114	85.2	80-120
Barium	62.0	63.2	1.9	0-20	62.0	182	114	105.7	80-120
Beryllium									
Cadmium	0.40	0.41	2.5	0-20	0.40	2.8	2.84	84.5	80-120
Calcium									
Chromium	9.7	10.3	6.0	0-20	9.7	19.2	11.4	83.7	80-120
Cobalt									
Copper									
Iron									
Lead	2.8	2.8	0.0	0-20	2.8	28.0	28.4	88.8	80-120
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	0.0	0.0	NC	0-20	0.0	103	114	90.7	80-120
Silver	0.0	0.056	200.0(a)	0-20	0.0	2.7	2.84	95.1	80-120
Sodium									
Thallium									
Tin									
Vanadium									
Zinc									

Associated samples MP12008: F49392-1, F49392-2, F49392-3, F49392-4, F49392-5, F49392-6, F49392-7, F49392-8, F49392-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) RPD acceptable due to low duplicate and sample concentrations.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F49392
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12008 Methods: SW846 6010B
Matrix Type: SOLID Units: mg/kg

Prep Date: 05/17/07

Metal	F49392-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	1.0	104	117	88.1	6.1	20
Barium	62.0	171	117	93.2	6.2	20
Beryllium						
Cadmium	0.40	3.0	2.92	88.9	6.9	20
Calcium						
Chromium	9.7	20.1	11.7	88.9	4.6	20
Cobalt						
Copper						
Iron						
Lead	2.8	29.0	29.2	89.6	3.5	20
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium	0.0	107	117	91.5	3.8	20
Silver	0.0	2.9	2.92	99.2	7.1	20
Sodium						
Thallium						
Tin						
Vanadium						
Zinc						

Associated samples MP12008: F49392-1, F49392-2, F49392-3, F49392-4, F49392-5, F49392-6, F49392-7, F49392-8, F49392-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F49392
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12008
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 05/17/07

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	89.6	99	90.5	80-120
Barium	98.7	99	99.7	80-120
Beryllium				
Cadmium	2.5	2.48	101.0	80-120
Calcium				
Chromium	10.1	9.9	102.0	80-120
Cobalt				
Copper				
Iron				
Lead	23.8	24.8	96.2	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	85.8	99	86.7	80-120
Silver	2.2	2.48	88.9	80-120
Sodium				
Thallium				
Tin				
Vanadium				
Zinc				

Associated samples MP12008: F49392-1, F49392-2, F49392-3, F49392-4, F49392-5, F49392-6, F49392-7, F49392-8, F49392-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: F49392
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12008
Matrix Type: SOLID

Methods: SW846 6010B
Units: ug/l

Prep Date: 05/17/07

Metal	F49392-1 Original	SDL 1:5	RPD	QC Limits
Aluminum				
Antimony				
Arsenic	17.7	18.4	4.1	0-10
Barium	1090	1060	3.3	0-10
Beryllium				
Cadmium	7.06	0.00	100.0(a)	0-10
Calcium				
Chromium	170	181	6.3	0-10
Cobalt				
Copper				
Iron				
Lead	49.0	53.1	8.3	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	0.00	0.00	NC	0-10
Silver	0.00	5.61		0-10
Sodium				
Thallium				
Tin				
Vanadium				
Zinc				

Associated samples MP12008: F49392-1, F49392-2, F49392-3, F49392-4, F49392-5, F49392-6, F49392-7, F49392-8, F49392-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

10/29/08

Technical Report for

Bhate Environmental Associates, Inc.

HOLMN

PROJECT # 9050361.01.02

Accutest Job Number: F49400

Sampling Date: 05/08/07

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **105**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Sections: 1 2 3 4 5 6 7 8 9 10

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F49400-1: SS61-MW7 7
3.2: F49400-2: SS61-MW10 17
3.3: F49400-3: SS61-MW6a 27
3.4: F49400-4: SS61-MW6 37
3.5: F49400-5: SS61-TRIP BLANK 47
Section 4: Misc. Forms **50**
4.1: Chain of Custody 51
Section 5: GC/MS Volatiles - QC Data Summaries **53**
5.1: Method Blank Summary 54
5.2: Blank Spike Summary 57
5.3: Matrix Spike/Matrix Spike Duplicate Summary 60
Section 6: GC/MS Semi-volatiles - QC Data Summaries **63**
6.1: Method Blank Summary 64
6.2: Blank Spike Summary 73
6.3: Matrix Spike/Matrix Spike Duplicate Summary 79
Section 7: GC Volatiles - QC Data Summaries **82**
7.1: Method Blank Summary 83
7.2: Blank Spike Summary 85
7.3: Matrix Spike/Matrix Spike Duplicate Summary 87
Section 8: GC Semi-volatiles - QC Data Summaries **89**
8.1: Method Blank Summary 90
8.2: Blank Spike Summary 91
8.3: Matrix Spike/Matrix Spike Duplicate Summary 92
Section 9: Metals Analysis - QC Data Summaries **93**
9.1: Prep QC MP11950: Hg 94
9.2: Prep QC MP12012: As,Ba,Cd,Cr,Pb,Se,Ag 99
Section 10: General Chemistry - QC Data Summaries **103**
10.1: Method Blank and Spike Results Summary 104
10.2: Duplicate Results Summary 105

Sample Summary

Bhate Environmental Associates, Inc.

Job No: F49400

HOLMN
Project No: PROJECT # 9050361.01.02

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F49400-1	05/08/07	11:25	BW	05/09/07	AQ	Ground Water	SS61-MW7
F49400-2	05/08/07	09:35	BW	05/09/07	AQ	Ground Water	SS61-MW10
F49400-3	05/08/07	09:25	BW	05/09/07	AQ	Ground Water	SS61-MW6a
F49400-4	05/08/07	09:25	BW	05/09/07	AQ	Ground Water	SS61-MW6
F49400-5	05/08/07	00:00	BW	05/09/07	AQ	Trip Blank Water	SS61-TRIP BLANK

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Bhate Environmental Associates, Inc. **Job No:** F49400

Site: HOLMN **Report Date** 5/30/2007 11:30:03

4 Samples, 1 Trip Blank were collected on 05/08/2007 and received at Accutest on 05/09/2007 properly preserved, at 2.4 Deg. C and intact. These Samples received an Accutest job number of F49400. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VJ2130

All method blanks for this batch meet method specific criteria.

Sample(s) F49400-1MS, F49400-1MSD were used as the QC samples indicated.

Blank Spike Recovery(s) for Dichlorodifluoromethane are outside control limits. Biased high, not detected in the samples. Data integrity not adversely affected.

MS/MSD Recovery(s) for 2-Chloroethyl vinyl ether are outside control limits due to preservation. For method performance in clean matrix refer to Blank Spike. Probable cause due to matrix interference.

Matrix: AQ **Batch ID:** VJ2131

F49400-5: Confirmation run.

F49400-2: Confirmation run.

Extractables by GCMS By Method SW846 8270C

Matrix: AQ **Batch ID:** OP20582

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49383-2MS, F49383-2MSD were used as the QC samples indicated.

MS and/or MSD Recovery(s) for 4-Nitrophenol, Benzoic Acid are outside control limits. Probable cause due to matrix interference. See Blank Spike.

Sample(s) OP20582-MS, OP20582-MSD have surrogates outside control limits. Probable cause due to matrix interference.

Volatiles by GC By Method SW846 8015

Matrix: AQ **Batch ID:** GHH1152

All samples were analyzed within the recommended method holding time.

Sample(s) F49350-2MS, F49350-2MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Matrix Spike Recovery(s) for TPH-GRO (C6-C10) are outside control limits. Probable cause due to matrix interference.

Matrix: AQ **Batch ID:** GHH1154

All method blanks for this batch meet method specific criteria.

Sample(s) F49499-1MS, F49499-1MSD were used as the QC samples indicated.

Extractables by GC By Method SW846 8015 M

Matrix: AQ **Batch ID:** OP20545

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F49350-3MS, F49350-3MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Metals By Method EPA 200.7

Matrix: AQ **Batch ID:** MP12012

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49400-1DUP, F49400-1MS, F49400-1SDL were used as the QC samples for metals.

RPD(s) for Duplicate for Chromium, Silver are outside control limits for sample MP12012-D1. RPD acceptable due to low duplicate and sample concentrations.

RPD(s) for Serial Dilution for Arsenic, Barium, Chromium, Silver are outside control limits for sample MP12012-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

F49400-4 for Lead: Elevated RL/MDL due to CRIA exceeding acceptance criteria.

F49400-1 for Selenium: Elevated reporting limit(s) due to matrix interference.

F49400-1 for Lead: Elevated RL/MDL due to CRIA exceeding acceptance criteria.

F49400-2 for Selenium: Elevated reporting limit(s) due to matrix interference.

F49400-2 for Lead: Elevated RL/MDL due to CRIA exceeding acceptance criteria.

F49400-3 for Lead: Elevated RL/MDL due to CRIA exceeding acceptance criteria.

Metals By Method SW846 7470A

Matrix: AQ **Batch ID:** MP11950

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49370-1DUP, F49370-1MS, F49370-1MSD, F49370-1SDL were used as the QC samples for metals.

Wet Chemistry By Method EPA 160.1

Matrix: AQ **Batch ID:** GN25401

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49376-1DUP were used as the QC samples for Solids, Total Dissolved.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: May 30, 2007

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-MW7		
Lab Sample ID:	F49400-1	**Date Sampled:**	05/08/07
Matrix:	AQ - Ground Water	**Date Received:**	05/09/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J029864.D	1	05/22/07	SH	n/a	n/a	VJ2130
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
75-05-8	Acetonitrile	ND	20	10	ug/l	
107-02-8	Acrolein	ND	20	10	ug/l	
107-13-1	Acrylonitrile	ND	10	5.0	ug/l	
107-05-1	Allyl chloride	ND	10	5.0	ug/l	
71-43-2	Benzene	3.5	1.0	0.50	ug/l	
100-44-7	Benzyl Chloride	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	1.0	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW7		
Lab Sample ID:	F49400-1	**Date Sampled:**	05/08/07
Matrix:	AQ - Ground Water	**Date Received:**	05/09/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	2.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
110-54-3	Hexane	ND	2.0	1.0	ug/l	
98-82-8	Isopropylbenzene	0.57	1.0	0.50	ug/l	J
99-87-6	p-Isopropyltoluene	ND	1.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
126-98-7	Methacrylonitrile	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
74-88-4	Methyl iodide	ND	5.0	2.5	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	2.5	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	5.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW7		
Lab Sample ID:	F49400-1	**Date Sampled:**	05/08/07
Matrix:	AQ - Ground Water	**Date Received:**	05/09/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	10	5.0	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		87-116%
17060-07-0	1,2-Dichloroethane-D4	103%		76-127%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	107%		84-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW7		
Lab Sample ID:	F49400-1	**Date Sampled:**	05/08/07
Matrix:	AQ - Ground Water	**Date Received:**	05/09/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L036473.D	1	05/17/07	RB	05/15/07	OP20582	SL1870
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.6	ug/l	
95-57-8	2-Chlorophenol	ND	4.8	1.9	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.8	1.9	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.6	4.8	ug/l	
95-48-7	2-Methylphenol	ND	4.8	1.9	ug/l	
	3&4-Methylphenol	ND	4.8	1.9	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.6	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.6	ug/l	
108-95-2	Phenol	ND	4.8	1.9	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.8	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.96	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.96	ug/l	
120-12-7	Anthracene	ND	4.8	0.96	ug/l	
92-87-5	Benzidine	ND	24	14	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.96	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.96	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.96	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.96	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
100-51-6	Benzyl Alcohol	ND	4.8	0.96	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.96	ug/l	
106-47-8	4-Chloroaniline	ND	9.6	3.8	ug/l	
218-01-9	Chrysene	ND	4.8	0.96	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.8	0.96	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.8	1.9	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW7		
Lab Sample ID:	F49400-1	**Date Sampled:**	05/08/07
Matrix:	AQ - Ground Water	**Date Received:**	05/09/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.8	0.96	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.8	0.96	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.96	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.96	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.96	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.6	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.96	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.8	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.8	2.4	ug/l	
84-66-2	Diethyl phthalate	ND	4.8	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.8	1.9	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.8	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	0.96	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.96	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.96	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.96	ug/l	
88-74-4	2-Nitroaniline	ND	9.6	3.8	ug/l	
99-09-2	3-Nitroaniline	ND	9.6	3.8	ug/l	
100-01-6	4-Nitroaniline	ND	9.6	3.8	ug/l	
91-20-3	Naphthalene	ND	4.8	0.96	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.96	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.96	ug/l	
129-00-0	Pyrene	ND	4.8	0.96	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	0.96	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	33%		14-62%
4165-62-2	Phenol-d5	23%		10-40%
118-79-6	2,4,6-Tribromophenol	79%		33-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW7		
Lab Sample ID:	F49400-1	**Date Sampled:**	05/08/07
Matrix:	AQ - Ground Water	**Date Received:**	05/09/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	69%		42-108%
321-60-8	2-Fluorobiphenyl	69%		40-106%
1718-51-0	Terphenyl-d14	67%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW7		
Lab Sample ID:	F49400-1	**Date Sampled:**	05/08/07
Matrix:	AQ - Ground Water	**Date Received:**	05/09/07
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH026228.D	1	05/18/07	TD	n/a	n/a	GHH1152
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	86%		57-129%
98-08-8	aaa-Trifluorotoluene	81%		58-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW7		
Lab Sample ID:	F49400-1	**Date Sampled:**	05/08/07
Matrix:	AQ - Ground Water	**Date Received:**	05/09/07
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02389.D	1	05/17/07	MG	05/14/07	OP20545	GYY93
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.24	0.095	mg/l	
	TPH (> C22-C36)	ND	0.24	0.095	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	84%		42-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW7		
Lab Sample ID:	F49400-1	**Date Sampled:**	05/08/07
Matrix:	AQ - Ground Water	**Date Received:**	05/09/07
		Percent Solids:	n/a
Project:	HOLMN		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	8.1 J	10	2.8	ug/l	1	05/17/07	05/18/07	RS	EPA 200.7 [2]	EPA 200.7 [4]
Barium	11.8 J	200	0.40	ug/l	1	05/17/07	05/18/07	RS	EPA 200.7 [2]	EPA 200.7 [4]
Cadmium	0.30 U	5.0	0.30	ug/l	1	05/17/07	05/18/07	RS	EPA 200.7 [2]	EPA 200.7 [4]
Chromium	0.62 J	10	0.60	ug/l	1	05/17/07	05/18/07	RS	EPA 200.7 [2]	EPA 200.7 [4]
Lead [a]	3.4 U	10	3.4	ug/l	1	05/17/07	05/18/07	RS	EPA 200.7 [2]	EPA 200.7 [4]
Mercury	0.10 U	1.0	0.10	ug/l	1	05/11/07	05/11/07	MS	SW846 7470A [1]	SW846 7470A [3]
Selenium [b]	14 U	40	14	ug/l	1	05/17/07	05/18/07	RS	EPA 200.7 [2]	EPA 200.7 [4]
Silver	1.8 J	10	0.90	ug/l	1	05/17/07	05/18/07	RS	EPA 200.7 [2]	EPA 200.7 [4]

(1) Instrument QC Batch: MA5704
(2) Instrument QC Batch: MA5724
(3) Prep QC Batch: MP11950
(4) Prep QC Batch: MP12012

(a) Elevated RL/MDL due to CRIA exceeding acceptance criteria.
(b) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-MW7		
Lab Sample ID:	F49400-1	**Date Sampled:**	05/08/07
Matrix:	AQ - Ground Water	**Date Received:**	05/09/07
		Percent Solids:	n/a
Project:	HOLMN		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	7180	100	10	mg/l	1	05/12/07 09:01	LE	EPA 160.1

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-MW10		
Lab Sample ID:	F49400-2	**Date Sampled:**	05/08/07
Matrix:	AQ - Ground Water	**Date Received:**	05/09/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J029879.D	10	05/22/07	SH	n/a	n/a	VJ2130
Run #2 [a]	J029892.D	10	05/23/07	SH	n/a	n/a	VJ2131

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	82.6	250	50	ug/l	J
75-05-8	Acetonitrile	ND	200	100	ug/l	
107-02-8	Acrolein	ND	200	100	ug/l	
107-13-1	Acrylonitrile	ND	100	50	ug/l	
107-05-1	Allyl chloride	ND	100	50	ug/l	
71-43-2	Benzene	503	10	5.0	ug/l	
100-44-7	Benzyl Chloride	ND	10	5.0	ug/l	
108-86-1	Bromobenzene	ND	10	5.0	ug/l	
74-97-5	Bromochloromethane	ND	10	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	10	5.0	ug/l	
75-25-2	Bromoform	ND	10	5.0	ug/l	
104-51-8	n-Butylbenzene	ND	10	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	10	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	10	5.0	ug/l	
108-90-7	Chlorobenzene	ND	10	5.0	ug/l	
75-00-3	Chloroethane	ND	20	10	ug/l	
67-66-3	Chloroform	ND	10	5.0	ug/l	
544-10-5	1-Chlorohexane	ND	20	10	ug/l	
95-49-8	o-Chlorotoluene	ND	10	5.0	ug/l	
106-43-4	p-Chlorotoluene	ND	10	5.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	50	25	ug/l	
75-15-0	Carbon disulfide	ND	20	10	ug/l	
56-23-5	Carbon tetrachloride	ND	10	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	5.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	10	5.0	ug/l	
563-58-6	1,1-Dichloropropene	ND	10	5.0	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	20	10	ug/l	
106-93-4	1,2-Dibromoethane	ND	10	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	5.0	ug/l	
142-28-9	1,3-Dichloropropane	ND	10	5.0	ug/l	
594-20-7	2,2-Dichloropropane	ND	10	5.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW10		
Lab Sample ID:	F49400-2	**Date Sampled:**	05/08/07
Matrix:	AQ - Ground Water	**Date Received:**	05/09/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	10	4.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	5.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	10	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	3.0	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	100	50	ug/l	
541-73-1	m-Dichlorobenzene	ND	10	5.0	ug/l	
95-50-1	o-Dichlorobenzene	ND	10	5.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	10	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	10	5.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	3.0	ug/l	
100-41-4	Ethylbenzene	ND	10	5.0	ug/l	
97-63-2	Ethyl methacrylate	ND	50	20	ug/l	
76-13-1	Freon 113	ND	10	5.0	ug/l	
591-78-6	2-Hexanone	ND	50	25	ug/l	
87-68-3	Hexachlorobutadiene	ND	20	5.0	ug/l	
110-54-3	Hexane	ND	20	10	ug/l	
98-82-8	Isopropylbenzene	18.2	10	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	50	25	ug/l	
126-98-7	Methacrylonitrile	ND	200	100	ug/l	
74-83-9	Methyl bromide	ND	20	10	ug/l	
74-87-3	Methyl chloride	ND	20	10	ug/l	
74-88-4	Methyl iodide	ND	50	25	ug/l	
80-62-6	Methyl methacrylate	ND	50	25	ug/l	
74-95-3	Methylene bromide	ND	20	5.0	ug/l	
75-09-2	Methylene chloride	10.6	50	10	ug/l	J
78-93-3	Methyl ethyl ketone	ND	50	25	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	5.0	ug/l	
91-20-3	Naphthalene	ND	20	10	ug/l	
76-01-7	Pentachloroethane	ND	100	50	ug/l	
107-12-0	Propionitrile	ND	200	100	ug/l	
103-65-1	n-Propylbenzene	ND	10	5.0	ug/l	
100-42-5	Styrene	ND	10	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	10	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	4.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	5.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	10	5.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	20	10	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	10	5.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW10		
Lab Sample ID:	F49400-2	**Date Sampled:**	05/08/07
Matrix:	AQ - Ground Water	**Date Received:**	05/09/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	20	10	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	20	10	ug/l	
127-18-4	Tetrachloroethylene	ND	10	5.0	ug/l	
108-88-3	Toluene	ND	10	5.0	ug/l	
79-01-6	Trichloroethylene	ND	10	5.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	20	5.0	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	100	50	ug/l	
75-01-4	Vinyl chloride	ND	10	5.0	ug/l	
108-05-4	Vinyl Acetate	ND	100	50	ug/l	
	m,p-Xylene	ND	20	5.0	ug/l	
95-47-6	o-Xylene	ND	10	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%	112%	87-116%
17060-07-0	1,2-Dichloroethane-D4	93%	109%	76-127%
2037-26-5	Toluene-D8	100%	98%	86-112%
460-00-4	4-Bromofluorobenzene	100%	103%	84-120%

(a) Confirmation run.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SS61-MW10
Lab Sample ID: F49400-2
Matrix: AQ - Ground Water
Method: SW846 8270C SW846 3510C
Project: HOLMN

Date Sampled: 05/08/07
Date Received: 05/09/07
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L036474.D	1	05/17/07	RB	05/15/07	OP20582	SL1870
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	2.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	2.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	5.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	2.0	ug/l	
	3&4-Methylphenol	ND	5.0	2.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	2.0	ug/l	
100-02-7	4-Nitrophenol	ND	25	10	ug/l	
87-86-5	Pentachlorophenol	ND	25	10	ug/l	
108-95-2	Phenol	3.8	5.0	2.0	ug/l	J
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.0	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
92-87-5	Benzidine	ND	25	15	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	4.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	2.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW10		
Lab Sample ID:	F49400-2	**Date Sampled:**	05/08/07
Matrix:	AQ - Ground Water	**Date Received:**	05/09/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	1.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	1.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	2.5	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	2.5	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	2.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
88-74-4	2-Nitroaniline	ND	10	4.0	ug/l	
99-09-2	3-Nitroaniline	ND	10	4.0	ug/l	
100-01-6	4-Nitroaniline	ND	10	4.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	33%		14-62%
4165-62-2	Phenol-d5	23%		10-40%
118-79-6	2,4,6-Tribromophenol	82%		33-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW10		
Lab Sample ID:	F49400-2	**Date Sampled:**	05/08/07
Matrix:	AQ - Ground Water	**Date Received:**	05/09/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	64%		42-108%
321-60-8	2-Fluorobiphenyl	67%		40-106%
1718-51-0	Terphenyl-d14	71%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW10		
Lab Sample ID:	F49400-2	**Date Sampled:**	05/08/07
Matrix:	AQ - Ground Water	**Date Received:**	05/09/07
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH026271.D	2	05/22/07	TD	n/a	n/a	GHH1154
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1.56	0.20	0.10	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%		57-129%
98-08-8	aaa-Trifluorotoluene	86%		58-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW10		
Lab Sample ID:	F49400-2	**Date Sampled:**	05/08/07
Matrix:	AQ - Ground Water	**Date Received:**	05/09/07
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02390.D	1	05/17/07	MG	05/14/07	OP20545	GYY93
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	0.475	0.24	0.096	mg/l	
	TPH (> C22-C36)	ND	0.24	0.096	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	82%		42-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW10		
Lab Sample ID:	F49400-2	**Date Sampled:**	05/08/07
Matrix:	AQ - Ground Water	**Date Received:**	05/09/07
		Percent Solids:	n/a
Project:	HOLMN		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	5.7 J	10	2.8	ug/l	1	05/17/07	05/18/07	RS	EPA 200.7 [2]	EPA 200.7 [4]
Barium	23.3 J	200	0.40	ug/l	1	05/17/07	05/18/07	RS	EPA 200.7 [2]	EPA 200.7 [4]
Cadmium	0.30 U	5.0	0.30	ug/l	1	05/17/07	05/18/07	RS	EPA 200.7 [2]	EPA 200.7 [4]
Chromium	1.2 J	10	0.60	ug/l	1	05/17/07	05/18/07	RS	EPA 200.7 [2]	EPA 200.7 [4]
Lead [a]	3.4 U	10	3.4	ug/l	1	05/17/07	05/18/07	RS	EPA 200.7 [2]	EPA 200.7 [4]
Mercury	0.10 U	1.0	0.10	ug/l	1	05/11/07	05/11/07	MS	SW846 7470A [1]	SW846 7470A [3]
Selenium [b]	14 U	40	14	ug/l	1	05/17/07	05/18/07	RS	EPA 200.7 [2]	EPA 200.7 [4]
Silver	0.90 U	10	0.90	ug/l	1	05/17/07	05/18/07	RS	EPA 200.7 [2]	EPA 200.7 [4]

(1) Instrument QC Batch: MA5704
(2) Instrument QC Batch: MA5724
(3) Prep QC Batch: MP11950
(4) Prep QC Batch: MP12012

(a) Elevated RL/MDL due to CRIA exceeding acceptance criteria.
(b) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-MW10		
Lab Sample ID:	F49400-2	**Date Sampled:**	05/08/07
Matrix:	AQ - Ground Water	**Date Received:**	05/09/07
		Percent Solids:	n/a
Project:	HOLMN		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	2670	100	10	mg/l	1	05/12/07 09:01	LE	EPA 160.1

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-MW6a		
Lab Sample ID:	F49400-3	**Date Sampled:**	05/08/07
Matrix:	AQ - Ground Water	**Date Received:**	05/09/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J029880.D	1	05/22/07	SH	n/a	n/a	VJ2130
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
75-05-8	Acetonitrile	ND	20	10	ug/l	
107-02-8	Acrolein	ND	20	10	ug/l	
107-13-1	Acrylonitrile	ND	10	5.0	ug/l	
107-05-1	Allyl chloride	ND	10	5.0	ug/l	
71-43-2	Benzene	31.2	1.0	0.50	ug/l	
100-44-7	Benzyl Chloride	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	1.0	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	1.6	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW6a		
Lab Sample ID:	F49400-3	**Date Sampled:**	05/08/07
Matrix:	AQ - Ground Water	**Date Received:**	05/09/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	2.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
110-54-3	Hexane	ND	2.0	1.0	ug/l	
98-82-8	Isopropylbenzene	33.9	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
126-98-7	Methacrylonitrile	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
74-88-4	Methyl iodide	ND	5.0	2.5	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	2.5	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	5.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW6a		
Lab Sample ID:	F49400-3	**Date Sampled:**	05/08/07
Matrix:	AQ - Ground Water	**Date Received:**	05/09/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	10	5.0	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		87-116%
17060-07-0	1,2-Dichloroethane-D4	96%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	101%		84-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW6a		
Lab Sample ID:	F49400-3	**Date Sampled:**	05/08/07
Matrix:	AQ - Ground Water	**Date Received:**	05/09/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L036475.D	1	05/17/07	RB	05/15/07	OP20582	SL1870
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.6	ug/l	
95-57-8	2-Chlorophenol	ND	4.8	1.9	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.8	1.9	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.6	4.8	ug/l	
95-48-7	2-Methylphenol	ND	4.8	1.9	ug/l	
	3&4-Methylphenol	ND	4.8	1.9	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.6	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.6	ug/l	
108-95-2	Phenol	ND	4.8	1.9	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.8	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.96	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.96	ug/l	
120-12-7	Anthracene	ND	4.8	0.96	ug/l	
92-87-5	Benzidine	ND	24	14	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.96	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.96	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.96	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.96	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
100-51-6	Benzyl Alcohol	ND	4.8	0.96	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.96	ug/l	
106-47-8	4-Chloroaniline	ND	9.6	3.8	ug/l	
218-01-9	Chrysene	ND	4.8	0.96	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.8	0.96	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.8	1.9	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW6a		
Lab Sample ID:	F49400-3	**Date Sampled:**	05/08/07
Matrix:	AQ - Ground Water	**Date Received:**	05/09/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.8	0.96	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.8	0.96	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.96	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.96	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.96	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.6	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.96	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.8	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.8	2.4	ug/l	
84-66-2	Diethyl phthalate	ND	4.8	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.8	1.9	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.8	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	0.96	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.96	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.96	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.96	ug/l	
88-74-4	2-Nitroaniline	ND	9.6	3.8	ug/l	
99-09-2	3-Nitroaniline	ND	9.6	3.8	ug/l	
100-01-6	4-Nitroaniline	ND	9.6	3.8	ug/l	
91-20-3	Naphthalene	ND	4.8	0.96	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.96	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.96	ug/l	
129-00-0	Pyrene	ND	4.8	0.96	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	0.96	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	28%		14-62%
4165-62-2	Phenol-d5	21%		10-40%
118-79-6	2,4,6-Tribromophenol	65%		33-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW6a		
Lab Sample ID:	F49400-3	**Date Sampled:**	05/08/07
Matrix:	AQ - Ground Water	**Date Received:**	05/09/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	61%		42-108%
321-60-8	2-Fluorobiphenyl	61%		40-106%
1718-51-0	Terphenyl-d14	53%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW6a		
Lab Sample ID:	F49400-3	**Date Sampled:**	05/08/07
Matrix:	AQ - Ground Water	**Date Received:**	05/09/07
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH026230.D	1	05/18/07	TD	n/a	n/a	GHH1152
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.466	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%		57-129%
98-08-8	aaa-Trifluorotoluene	96%		58-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW6a		
Lab Sample ID:	F49400-3	**Date Sampled:**	05/08/07
Matrix:	AQ - Ground Water	**Date Received:**	05/09/07
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02391.D	1	05/17/07	MG	05/14/07	OP20545	GYY93
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	0.299	0.24	0.096	mg/l	
	TPH (> C22-C36)	0.190	0.24	0.096	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	88%		42-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW6a		
Lab Sample ID:	F49400-3	**Date Sampled:**	05/08/07
Matrix:	AQ - Ground Water	**Date Received:**	05/09/07
		Percent Solids:	n/a
Project:	HOLMN		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	31.2	10	2.8	ug/l	1	05/17/07	05/18/07	RS	EPA 200.7 [2]	EPA 200.7 [4]
Barium	11.7 J	200	0.40	ug/l	1	05/17/07	05/18/07	RS	EPA 200.7 [2]	EPA 200.7 [4]
Cadmium	0.30 U	5.0	0.30	ug/l	1	05/17/07	05/18/07	RS	EPA 200.7 [2]	EPA 200.7 [4]
Chromium	0.60 U	10	0.60	ug/l	1	05/17/07	05/18/07	RS	EPA 200.7 [2]	EPA 200.7 [4]
Lead [a]	3.4 U	10	3.4	ug/l	1	05/17/07	05/18/07	RS	EPA 200.7 [2]	EPA 200.7 [4]
Mercury	0.10 U	1.0	0.10	ug/l	1	05/11/07	05/11/07	MS	SW846 7470A [1]	SW846 7470A [3]
Selenium	12.0	10	2.8	ug/l	1	05/17/07	05/18/07	RS	EPA 200.7 [2]	EPA 200.7 [4]
Silver	0.90 U	10	0.90	ug/l	1	05/17/07	05/18/07	RS	EPA 200.7 [2]	EPA 200.7 [4]

(1) Instrument QC Batch: MA5704
(2) Instrument QC Batch: MA5724
(3) Prep QC Batch: MP11950
(4) Prep QC Batch: MP12012

(a) Elevated RL/MDL due to CRIA exceeding acceptance criteria.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-MW6a		
Lab Sample ID:	F49400-3	**Date Sampled:**	05/08/07
Matrix:	AQ - Ground Water	**Date Received:**	05/09/07
		Percent Solids:	n/a
Project:	HOLMN		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	17200	100	10	mg/l	1	05/12/07 09:01	LE	EPA 160.1

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-MW6		
Lab Sample ID:	F49400-4	**Date Sampled:**	05/08/07
Matrix:	AQ - Ground Water	**Date Received:**	05/09/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J029881.D	1	05/22/07	SH	n/a	n/a	VJ2130
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
75-05-8	Acetonitrile	ND	20	10	ug/l	
107-02-8	Acrolein	ND	20	10	ug/l	
107-13-1	Acrylonitrile	ND	10	5.0	ug/l	
107-05-1	Allyl chloride	ND	10	5.0	ug/l	
71-43-2	Benzene	29.1	1.0	0.50	ug/l	
100-44-7	Benzyl Chloride	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	1.0	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	1.6	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW6		
Lab Sample ID:	F49400-4	**Date Sampled:**	05/08/07
Matrix:	AQ - Ground Water	**Date Received:**	05/09/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	2.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
110-54-3	Hexane	ND	2.0	1.0	ug/l	
98-82-8	Isopropylbenzene	30.8	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
126-98-7	Methacrylonitrile	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
74-88-4	Methyl iodide	ND	5.0	2.5	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	2.5	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	5.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW6		
Lab Sample ID:	F49400-4	**Date Sampled:**	05/08/07
Matrix:	AQ - Ground Water	**Date Received:**	05/09/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	10	5.0	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		87-116%
17060-07-0	1,2-Dichloroethane-D4	97%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	101%		84-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW6		
Lab Sample ID:	F49400-4	**Date Sampled:**	05/08/07
Matrix:	AQ - Ground Water	**Date Received:**	05/09/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L036476.D	1	05/17/07	RB	05/15/07	OP20582	SL1870
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.6	ug/l	
95-57-8	2-Chlorophenol	ND	4.8	1.9	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.8	1.9	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.6	4.8	ug/l	
95-48-7	2-Methylphenol	ND	4.8	1.9	ug/l	
	3&4-Methylphenol	ND	4.8	1.9	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.6	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.6	ug/l	
108-95-2	Phenol	ND	4.8	1.9	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.8	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.96	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.96	ug/l	
120-12-7	Anthracene	ND	4.8	0.96	ug/l	
92-87-5	Benzidine	ND	24	14	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.96	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.96	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.96	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.96	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
100-51-6	Benzyl Alcohol	ND	4.8	0.96	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.96	ug/l	
106-47-8	4-Chloroaniline	ND	9.6	3.8	ug/l	
218-01-9	Chrysene	ND	4.8	0.96	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.8	0.96	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.8	1.9	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW6		
Lab Sample ID:	F49400-4	**Date Sampled:**	05/08/07
Matrix:	AQ - Ground Water	**Date Received:**	05/09/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.8	0.96	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.8	0.96	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.96	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.96	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.96	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.6	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.96	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.8	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.8	2.4	ug/l	
84-66-2	Diethyl phthalate	ND	4.8	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.8	1.9	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.8	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	0.96	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.96	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.96	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.96	ug/l	
88-74-4	2-Nitroaniline	ND	9.6	3.8	ug/l	
99-09-2	3-Nitroaniline	ND	9.6	3.8	ug/l	
100-01-6	4-Nitroaniline	ND	9.6	3.8	ug/l	
91-20-3	Naphthalene	ND	4.8	0.96	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.96	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.96	ug/l	
129-00-0	Pyrene	ND	4.8	0.96	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	0.96	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	35%		14-62%
4165-62-2	Phenol-d5	28%		10-40%
118-79-6	2,4,6-Tribromophenol	78%		33-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW6		
Lab Sample ID:	F49400-4	**Date Sampled:**	05/08/07
Matrix:	AQ - Ground Water	**Date Received:**	05/09/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	75%		42-108%
321-60-8	2-Fluorobiphenyl	75%		40-106%
1718-51-0	Terphenyl-d14	64%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW6		
Lab Sample ID:	F49400-4	**Date Sampled:**	05/08/07
Matrix:	AQ - Ground Water	**Date Received:**	05/09/07
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH026231.D	1	05/18/07	TD	n/a	n/a	GHH1152
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.457	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	87%		57-129%
98-08-8	aaa-Trifluorotoluene	94%		58-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW6		
Lab Sample ID:	F49400-4	**Date Sampled:**	05/08/07
Matrix:	AQ - Ground Water	**Date Received:**	05/09/07
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02394.D	1	05/17/07	MG	05/14/07	OP20545	GYY93
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.24	0.096	mg/l	
	TPH (> C22-C36)	ND	0.24	0.096	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	79%		42-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW6		
Lab Sample ID:	F49400-4	**Date Sampled:**	05/08/07
Matrix:	AQ - Ground Water	**Date Received:**	05/09/07
		Percent Solids:	n/a
Project:	HOLMN		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	29.7	10	2.8	ug/l	1	05/17/07	05/18/07	RS	EPA 200.7 [2]	EPA 200.7 [4]
Barium	11.7 J	200	0.40	ug/l	1	05/17/07	05/18/07	RS	EPA 200.7 [2]	EPA 200.7 [4]
Cadmium	0.30 U	5.0	0.30	ug/l	1	05/17/07	05/18/07	RS	EPA 200.7 [2]	EPA 200.7 [4]
Chromium	0.60 U	10	0.60	ug/l	1	05/17/07	05/18/07	RS	EPA 200.7 [2]	EPA 200.7 [4]
Lead [a]	3.4 U	10	3.4	ug/l	1	05/17/07	05/18/07	RS	EPA 200.7 [2]	EPA 200.7 [4]
Mercury	0.10 U	1.0	0.10	ug/l	1	05/11/07	05/11/07	MS	SW846 7470A [1]	SW846 7470A [3]
Selenium	12.7	10	2.8	ug/l	1	05/17/07	05/18/07	RS	EPA 200.7 [2]	EPA 200.7 [4]
Silver	1.3 J	10	0.90	ug/l	1	05/17/07	05/18/07	RS	EPA 200.7 [2]	EPA 200.7 [4]

(1) Instrument QC Batch: MA5704
(2) Instrument QC Batch: MA5724
(3) Prep QC Batch: MP11950
(4) Prep QC Batch: MP12012

(a) Elevated RL/MDL due to CRIA exceeding acceptance criteria.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-MW6		
Lab Sample ID:	F49400-4	**Date Sampled:**	05/08/07
Matrix:	AQ - Ground Water	**Date Received:**	05/09/07
		Percent Solids:	n/a
Project:	HOLMN		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	17400	100	10	mg/l	1	05/12/07 09:01	LE	EPA 160.1

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-TRIP BLANK		
Lab Sample ID:	F49400-5	**Date Sampled:**	05/08/07
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/09/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J029882.D	1	05/22/07	SH	n/a	n/a	VJ2130
Run #2 [a]	J029893.D	1	05/23/07	SH	n/a	n/a	VJ2131

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
75-05-8	Acetonitrile	ND	20	10	ug/l	
107-02-8	Acrolein	ND	20	10	ug/l	
107-13-1	Acrylonitrile	ND	10	5.0	ug/l	
107-05-1	Allyl chloride	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
100-44-7	Benzyl Chloride	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	1.0	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TRIP BLANK		
Lab Sample ID:	F49400-5	**Date Sampled:**	05/08/07
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/09/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	2.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
110-54-3	Hexane	ND	2.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
126-98-7	Methacrylonitrile	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
74-88-4	Methyl iodide	ND	5.0	2.5	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	2.5	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	5.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TRIP BLANK		
Lab Sample ID:	F49400-5	**Date Sampled:**	05/08/07
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/09/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	10	5.0	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%	111%	87-116%
17060-07-0	1,2-Dichloroethane-D4	94%	106%	76-127%
2037-26-5	Toluene-D8	100%	98%	86-112%
460-00-4	4-Bromofluorobenzene	102%	106%	84-120%

(a) Confirmation run.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

F49400

Page: 1 of 1

Project No: 9050361.01.02

COC Number(1): 08-08-2007-01

LIMS Number:

Chain of Custody and Analytical Request

Facility/Base I.D.: Holloman Air Force Base

Project/Site Name: SS-61 Voluntary Corrective Measures

Client Name: USACE

Collected by: J. Moore/C. McGriff/R. Currance/B. Wolfe

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code (2)	Sample Number (3)	Sample Matrix (4)	Number of containers	VOC, 8260B	SVOC, 8270C	RCRA + Metals, 6010B/7470A	DROFORO, 8015M	GRO, 8015M	TDS			Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
									Sample Analysis Requested (5)									Quality Assurance Samples (6)			
1	SS61- MW7		08-May-2007	1125		N		W6	12	1	1	1	1	1	1						1
2	SS61- MW10		08-May-2007	0935		N		W6	12	1	1	1	1	1	1						2
3	SS61- MW6		08-May-2007	0925		FD		W6	12	1	1	1	1	1	1						3
4	SS61- MW6		08-May-2007	0925		N		W6	12	1	1	1	1	1	1						4
5	SS61- Trip Blank		08-May-2007			TB		W6	12	1											
	SS61-								12												
	SS61-								12												
	SS61-								12												
	SS61-								12												
	SS61-								12												
	SS61-								12												

COMMENTS: All metals sample volumes were filtered in the field using 0.45 micron media filters

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1.	[signature]	5/8/07	1500	Released to FedEx		
2.	FX			J DORAR	5-9-07	08:00
3.						

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab:		Shipped No.:	
Method of Shipment:	FedEx	Airbill Number:	
Analytical Lab:	Accutest	Delivery Location:	Orlando, FL
Lab Recipient:		Delivery Date/Time:	

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-(1999-01))

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-n) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SO = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality Assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc.) e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 101099001 in the Equipment Blank Lot Control

1.2 1.6 2.0 2.4

F49400: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F49400 CLIENT: BHATE PROJECT: USACE

DATE/TIME RECEIVED: 5-9-07 # OF COOLERS RECEIVED: 4 COOLER TEMPS: 1.8 1.6 2.0 2.4

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8600 4340 3618

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? Ø

NUMBER OF 5035 FIELD KITS ? Ø

NUMBER OR LAB FILTERED METALS ? Ø

SUMMARY OF COMMENTS: TB #5 WITH SAMPLE # 2
TB #6 WITH SAMPLE # 3
TB #7 WITH SAMPLE # 4
TB #8 WITH SAMPLE # 1
RECEIVED SOIL TB (#8) FOR WATERS SAMPLES

TECHNICIAN SIGNATURE/DATE JC 5-9-07 TECHNICIAN SIGNATURE/DATE

ASBD 10/03/06

4.1 4

F49400: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F49400
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2130-MB	J029860.D	1	05/22/07	SH	n/a	n/a	VJ2130

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49400-1, F49400-2, F49400-3, F49400-4, F49400-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
75-05-8	Acetonitrile	ND	20	10	ug/l	
107-02-8	Acrolein	ND	20	10	ug/l	
107-13-1	Acrylonitrile	ND	10	5.0	ug/l	
107-05-1	Allyl chloride	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
100-44-7	Benzyl Chloride	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	1.0	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	

Method Blank Summary

Job Number: F49400
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2130-MB	J029860.D	1	05/22/07	SH	n/a	n/a	VJ2130

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49400-1, F49400-2, F49400-3, F49400-4, F49400-5

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	2.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
110-54-3	Hexane	ND	2.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
126-98-7	Methacrylonitrile	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
74-88-4	Methyl iodide	ND	5.0	2.5	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	2.5	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	5.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.74	1.0	0.50	ug/l	J
96-18-4	1,2,3-Trichloropropane	ND	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

Method Blank Summary

Job Number: F49400
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2130-MB	J029860.D	1	05/22/07	SH	n/a	n/a	VJ2130

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49400-1, F49400-2, F49400-3, F49400-4, F49400-5

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	10	5.0	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	110%	87-116%
17060-07-0	1,2-Dichloroethane-D4	106%	76-127%
2037-26-5	Toluene-D8	99%	86-112%
460-00-4	4-Bromofluorobenzene	106%	84-120%

Blank Spike Summary

Job Number: F49400
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2130-BS	J029859.D	1	05/22/07	SH	n/a	n/a	VJ2130

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49400-1, F49400-2, F49400-3, F49400-4, F49400-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	101	81	59-134
75-05-8	Acetonitrile	250	218	87	57-123
107-02-8	Acrolein	125	179	143	33-157
107-13-1	Acrylonitrile	125	132	106	62-124
107-05-1	Allyl chloride	25	23.1	92	48-136
71-43-2	Benzene	25	26.3	105	83-124
100-44-7	Benzyl Chloride	25	25.5	102	61-118
108-86-1	Bromobenzene	25	26.7	107	83-115
74-97-5	Bromochloromethane	25	27.1	108	78-112
75-27-4	Bromodichloromethane	25	27.7	111	76-116
75-25-2	Bromoform	25	28.4	114	68-128
104-51-8	n-Butylbenzene	25	27.5	110	84-124
135-98-8	sec-Butylbenzene	25	28.2	113	86-127
98-06-6	tert-Butylbenzene	25	28.4	114	83-126
108-90-7	Chlorobenzene	25	26.4	106	87-115
75-00-3	Chloroethane	25	23.4	94	54-166
67-66-3	Chloroform	25	29.3	117	85-123
544-10-5	1-Chlorohexane	25	28.1	112	87-128
95-49-8	o-Chlorotoluene	25	28.9	116	84-121
106-43-4	p-Chlorotoluene	25	30.1	120	84-120
110-75-8	2-Chloroethyl vinyl ether	125	106	85	63-125
75-15-0	Carbon disulfide	25	26.6	106	67-147
56-23-5	Carbon tetrachloride	25	29.4	118	74-139
75-34-3	1,1-Dichloroethane	25	26.5	106	82-127
75-35-4	1,1-Dichloroethylene	25	23.1	92	75-133
563-58-6	1,1-Dichloropropene	25	31.1	124	87-127
96-12-8	1,2-Dibromo-3-chloropropane	25	24.3	97	61-118
106-93-4	1,2-Dibromoethane	25	25.2	101	80-115
107-06-2	1,2-Dichloroethane	25	27.1	108	76-122
78-87-5	1,2-Dichloropropane	25	25.7	103	81-120
142-28-9	1,3-Dichloropropane	25	27.4	110	81-113
594-20-7	2,2-Dichloropropane	25	29.3	117	77-138
124-48-1	Dibromochloromethane	25	24.5	98	74-116
75-71-8	Dichlorodifluoromethane	25	40.4	162*	34-158
156-59-2	cis-1,2-Dichloroethylene	25	27.6	110	81-114
10061-01-5	cis-1,3-Dichloropropene	25	28.7	115	83-119

Blank Spike Summary

Job Number: F49400
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2130-BS	J029859.D	1	05/22/07	SH	n/a	n/a	VJ2130

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49400-1, F49400-2, F49400-3, F49400-4, F49400-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	25	23.8	95	41-130
541-73-1	m-Dichlorobenzene	25	27.5	110	86-115
95-50-1	o-Dichlorobenzene	25	27.8	111	85-115
106-46-7	p-Dichlorobenzene	25	26.5	106	87-113
156-60-5	trans-1,2-Dichloroethylene	25	26.6	106	82-126
10061-02-6	trans-1,3-Dichloropropene	25	30.3	121	87-123
100-41-4	Ethylbenzene	25	26.8	107	87-118
97-63-2	Ethyl methacrylate	25	25.0	100	68-110
76-13-1	Freon 113	25	26.7	107	74-139
591-78-6	2-Hexanone	125	118	94	58-125
87-68-3	Hexachlorobutadiene	25	29.6	118	71-133
110-54-3	Hexane	25	25.6	102	71-134
98-82-8	Isopropylbenzene	25	27.4	110	87-131
99-87-6	p-Isopropyltoluene	25	27.0	108	83-125
108-10-1	4-Methyl-2-pentanone	125	117	94	62-125
126-98-7	Methacrylonitrile	250	224	90	62-133
74-83-9	Methyl bromide	25	26.9	108	55-151
74-87-3	Methyl chloride	25	26.7	107	55-173
74-88-4	Methyl iodide	25	23.0	92	72-125
80-62-6	Methyl methacrylate	25	22.5	90	63-115
74-95-3	Methylene bromide	25	28.2	113	81-116
75-09-2	Methylene chloride	25	24.3	97	69-125
78-93-3	Methyl ethyl ketone	125	116	93	61-127
1634-04-4	Methyl Tert Butyl Ether	25	28.4	114	75-116
91-20-3	Naphthalene	25	25.3	101	59-125
76-01-7	Pentachloroethane	25	26.4	106	82-111
107-12-0	Propionitrile	250	237	95	69-119
103-65-1	n-Propylbenzene	25	28.3	113	86-125
100-42-5	Styrene	25	24.9	100	78-118
630-20-6	1,1,1,2-Tetrachloroethane	25	29.1	116	81-119
71-55-6	1,1,1-Trichloroethane	25	29.5	118	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	25.5	102	71-120
79-00-5	1,1,2-Trichloroethane	25	26.8	107	80-114
87-61-6	1,2,3-Trichlorobenzene	25	25.0	100	64-126
96-18-4	1,2,3-Trichloropropane	25	28.0	112	77-115
120-82-1	1,2,4-Trichlorobenzene	25	24.6	98	68-123

Blank Spike Summary

Job Number: F49400
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2130-BS	J029859.D	1	05/22/07	SH	n/a	n/a	VJ2130

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49400-1, F49400-2, F49400-3, F49400-4, F49400-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	25	26.7	107	82-120
108-67-8	1,3,5-Trimethylbenzene	25	29.3	117	83-123
127-18-4	Tetrachloroethylene	25	30.3	121	80-131
108-88-3	Toluene	25	27.3	109	86-116
79-01-6	Trichloroethylene	25	28.0	112	85-124
75-69-4	Trichlorofluoromethane	25	26.1	104	66-156
110-57-6	Trans-1,4-Dichloro-2-Butene	25	26.0	104	51-137
75-01-4	Vinyl chloride	25	29.0	116	57-153
108-05-4	Vinyl Acetate	125	168	134	38-159
	m,p-Xylene	50	58.3	117	86-121
95-47-6	o-Xylene	25	26.6	106	83-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	107%	87-116%
17060-07-0	1,2-Dichloroethane-D4	105%	76-127%
2037-26-5	Toluene-D8	100%	86-112%
460-00-4	4-Bromofluorobenzene	103%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49400
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49400-1MS	J029865.D	1	05/22/07	SH	n/a	n/a	VJ2130
F49400-1MSD	J029868.D	1	05/22/07	SH	n/a	n/a	VJ2130
F49400-1	J029864.D	1	05/22/07	SH	n/a	n/a	VJ2130

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49400-1, F49400-2, F49400-3, F49400-4, F49400-5

CAS No.	Compound	F49400-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	85.3	68	89.2	71	4	59-134/14
75-05-8	Acetonitrile	ND		250	240	96	237	95	1	57-123/15
107-02-8	Acrolein	ND		125	190	152	193	154	2	33-157/21
107-13-1	Acrylonitrile	ND		125	140	112	139	111	1	62-124/13
107-05-1	Allyl chloride	ND		25	23.3	93	22.6	90	3	48-136/13
71-43-2	Benzene	3.5		25	30.3	107	29.1	102	4	83-124/11
100-44-7	Benzyl Chloride	ND		25	25.3	101	23.0	92	10	61-118/12
108-86-1	Bromobenzene	ND		25	26.1	104	25.5	102	2	83-115/10
74-97-5	Bromochloromethane	ND		25	26.0	104	24.5	98	6	78-112/10
75-27-4	Bromodichloromethane	ND		25	26.1	104	25.2	101	4	76-116/10
75-25-2	Bromoform	ND		25	26.7	107	25.7	103	4	68-128/11
104-51-8	n-Butylbenzene	ND		25	27.6	110	25.9	104	6	84-124/10
135-98-8	sec-Butylbenzene	ND		25	27.5	110	26.3	105	4	86-127/10
98-06-6	tert-Butylbenzene	ND		25	27.5	110	26.0	104	6	83-126/10
108-90-7	Chlorobenzene	ND		25	27.0	108	25.7	103	5	87-115/9
75-00-3	Chloroethane	ND		25	24.3	97	22.8	91	6	54-166/20
67-66-3	Chloroform	ND		25	28.2	113	27.0	108	4	85-123/10
544-10-5	1-Chlorohexane	ND		25	26.9	108	24.6	98	9	87-128/10
95-49-8	o-Chlorotoluene	ND		25	28.9	116	28.2	113	2	84-121/10
106-43-4	p-Chlorotoluene	ND		25	29.1	116	27.8	111	5	84-120/10
110-75-8	2-Chloroethyl vinyl ether	ND		125	ND	0*	ND	0*	nc	63-125/24
75-15-0	Carbon disulfide	ND		25	27.5	110	26.0	104	6	67-147/12
56-23-5	Carbon tetrachloride	ND		25	26.5	106	23.7	95	11	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	26.8	107	25.8	103	4	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	24.5	98	23.6	94	4	75-133/13
563-58-6	1,1-Dichloropropene	ND		25	29.4	118	27.4	110	7	87-127/10
96-12-8	1,2-Dibromo-3-chloropropane	ND		25	23.5	94	22.7	91	3	61-118/15
106-93-4	1,2-Dibromoethane	ND		25	23.5	94	22.7	91	3	80-115/10
107-06-2	1,2-Dichloroethane	ND		25	27.2	109	26.5	106	3	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	26.4	106	26.0	104	2	81-120/11
142-28-9	1,3-Dichloropropane	ND		25	26.7	107	25.6	102	4	81-113/11
594-20-7	2,2-Dichloropropane	ND		25	26.2	105	23.5	94	11	77-138/12
124-48-1	Dibromochloromethane	ND		25	21.6	86	20.8	83	4	74-116/11
75-71-8	Dichlorodifluoromethane	ND		25	34.2	137	30.9	124	10	34-158/22
156-59-2	cis-1,2-Dichloroethylene	ND		25	26.3	105	25.0	100	5	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	27.0	108	26.1	104	3	83-119/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49400
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49400-1MS	J029865.D	1	05/22/07	SH	n/a	n/a	VJ2130
F49400-1MSD	J029868.D	1	05/22/07	SH	n/a	n/a	VJ2130
F49400-1	J029864.D	1	05/22/07	SH	n/a	n/a	VJ2130

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49400-1, F49400-2, F49400-3, F49400-4, F49400-5

CAS No.	Compound	F49400-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		25	22.4	90	21.7	87	3	41-130/33
541-73-1	m-Dichlorobenzene	ND		25	26.6	106	25.6	102	4	86-115/9
95-50-1	o-Dichlorobenzene	ND		25	26.8	107	26.0	104	3	85-115/9
106-46-7	p-Dichlorobenzene	ND		25	26.5	106	25.6	102	3	87-113/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	26.7	107	25.4	102	5	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	30.0	120	28.7	115	4	87-123/10
100-41-4	Ethylbenzene	ND		25	27.5	110	25.9	104	6	87-118/10
97-63-2	Ethyl methacrylate	ND		25	24.9	100	24.3	97	2	68-110/11
76-13-1	Freon 113	ND		25	28.2	113	29.1	116	3	74-139/13
591-78-6	2-Hexanone	ND		125	133	106	130	104	2	58-125/14
87-68-3	Hexachlorobutadiene	ND		25	25.3	101	23.3	93	8	71-133/12
110-54-3	Hexane	ND		25	25.8	103	24.7	99	4	71-134/11
98-82-8	Isopropylbenzene	0.57	J	25	27.1	106	25.3	99	7	87-131/10
99-87-6	p-Isopropyltoluene	ND		25	25.8	103	24.4	98	6	83-125/9
108-10-1	4-Methyl-2-pentanone	ND		125	143	114	139	111	3	62-125/13
126-98-7	Methacrylonitrile	ND		250	257	103	258	103	0	62-133/17
74-83-9	Methyl bromide	ND		25	28.7	115	26.8	107	7	55-151/21
74-87-3	Methyl chloride	ND		25	26.4	106	25.4	102	4	55-173/22
74-88-4	Methyl iodide	ND		25	23.4	94	22.4	90	4	72-125/11
80-62-6	Methyl methacrylate	ND		25	24.7	99	24.3	97	2	63-115/10
74-95-3	Methylene bromide	ND		25	27.5	110	27.2	109	1	81-116/10
75-09-2	Methylene chloride	ND		25	24.7	99	24.4	98	1	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	116	93	115	92	1	61-127/13
1634-04-4	Methyl Tert Butyl Ether	ND		25	27.2	109	26.2	105	4	75-116/10
91-20-3	Naphthalene	ND		25	24.0	96	23.0	92	4	59-125/15
76-01-7	Pentachloroethane	ND		25	24.7	99	23.7	95	4	82-111/8
107-12-0	Propionitrile	ND		250	257	103	253	101	2	69-119/12
103-65-1	n-Propylbenzene	ND		25	29.1	116	28.0	112	4	86-125/10
100-42-5	Styrene	ND		25	24.0	96	22.7	91	6	78-118/11
630-20-6	1,1,1,2-Tetrachloroethane	ND		25	27.3	109	25.6	102	6	81-119/10
71-55-6	1,1,1-Trichloroethane	ND		25	26.6	106	24.8	99	7	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	26.0	104	26.3	105	1	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	26.3	105	25.5	102	3	80-114/11
87-61-6	1,2,3-Trichlorobenzene	ND		25	23.1	92	22.1	88	4	64-126/16
96-18-4	1,2,3-Trichloropropane	ND		25	27.1	108	26.8	107	1	77-115/12
120-82-1	1,2,4-Trichlorobenzene	ND		25	22.8	91	22.0	88	4	68-123/11

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49400
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49400-1MS	J029865.D	1	05/22/07	SH	n/a	n/a	VJ2130
F49400-1MSD	J029868.D	1	05/22/07	SH	n/a	n/a	VJ2130
F49400-1	J029864.D	1	05/22/07	SH	n/a	n/a	VJ2130

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49400-1, F49400-2, F49400-3, F49400-4, F49400-5

CAS No.	Compound	F49400-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		25	26.0	104	24.8	99	5	82-120/10
108-67-8	1,3,5-Trimethylbenzene	ND		25	28.7	115	27.7	111	4	83-123/10
127-18-4	Tetrachloroethylene	ND		25	28.3	113	26.0	104	8	80-131/12
108-88-3	Toluene	ND		25	27.0	108	25.2	101	7	86-116/10
79-01-6	Trichloroethylene	ND		25	27.3	109	26.4	106	3	85-124/10
75-69-4	Trichlorofluoromethane	ND		25	28.4	114	27.1	108	5	66-156/15
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		25	24.9	100	24.3	97	2	51-137/24
75-01-4	Vinyl chloride	ND		25	27.8	111	26.0	104	7	57-153/22
108-05-4	Vinyl Acetate	ND		125	187	150	185	148	1	38-159/11
	m,p-Xylene	ND		50	58.8	118	55.5	111	6	86-121/10
95-47-6	o-Xylene	ND		25	25.5	102	23.8	95	7	83-121/10

CAS No.	Surrogate Recoveries	MS	MSD	F49400-1	Limits
1868-53-7	Dibromofluoromethane	103%	101%	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	104%	103%	103%	76-127%
2037-26-5	Toluene-D8	99%	98%	99%	86-112%
460-00-4	4-Bromofluorobenzene	102%	103%	107%	84-120%

GC/MS Semi-volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F49400
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20582-MB	L036468.D	1	05/17/07	RB	05/15/07	OP20582	SL1870

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49400-1, F49400-2, F49400-3, F49400-4

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	2.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	2.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	5.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	2.0	ug/l	
	3&4-Methylphenol	ND	5.0	2.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	2.0	ug/l	
100-02-7	4-Nitrophenol	ND	25	10	ug/l	
87-86-5	Pentachlorophenol	ND	25	10	ug/l	
108-95-2	Phenol	ND	5.0	2.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.0	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
92-87-5	Benzidine	ND	25	15	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	4.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	2.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	1.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	

Method Blank Summary

Job Number: F49400
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20582-MB	L036468.D	1	05/17/07	RB	05/15/07	OP20582	SL1870

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49400-1, F49400-2, F49400-3, F49400-4

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	1.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	2.5	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	2.5	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	2.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
88-74-4	2-Nitroaniline	ND	10	4.0	ug/l	
99-09-2	3-Nitroaniline	ND	10	4.0	ug/l	
100-01-6	4-Nitroaniline	ND	10	4.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	34%	14-62%
4165-62-2	Phenol-d5	23%	10-40%

Method Blank Summary

Job Number: F49400
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20582-MB	L036468.D	1	05/17/07	RB	05/15/07	OP20582	SL1870

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49400-1, F49400-2, F49400-3, F49400-4

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	71%	33-118%
4165-60-0	Nitrobenzene-d5	67%	42-108%
321-60-8	2-Fluorobiphenyl	64%	40-106%
1718-51-0	Terphenyl-d14	76%	39-121%

Method Blank Summary

Job Number: F49400
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20582-MB	L036497.D	1	05/18/07	RB	05/15/07	OP20582	SL1871

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49400-1, F49400-2, F49400-3, F49400-4

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	2.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	2.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	5.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	2.0	ug/l	
	3&4-Methylphenol	ND	5.0	2.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	2.0	ug/l	
100-02-7	4-Nitrophenol	ND	25	10	ug/l	
87-86-5	Pentachlorophenol	ND	25	10	ug/l	
108-95-2	Phenol	ND	5.0	2.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.0	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
92-87-5	Benzidine	ND	25	15	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	4.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	2.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	1.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	

Method Blank Summary

Job Number: F49400
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20582-MB	L036497.D	1	05/18/07	RB	05/15/07	OP20582	SL1871

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49400-1, F49400-2, F49400-3, F49400-4

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	1.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	2.5	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	2.5	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	2.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
88-74-4	2-Nitroaniline	ND	10	4.0	ug/l	
99-09-2	3-Nitroaniline	ND	10	4.0	ug/l	
100-01-6	4-Nitroaniline	ND	10	4.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	36%	14-62%
4165-62-2	Phenol-d5	24%	10-40%

Method Blank Summary

Job Number: F49400
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20582-MB	L036497.D	1	05/18/07	RB	05/15/07	OP20582	SL1871

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49400-1, F49400-2, F49400-3, F49400-4

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	71%	33-118%
4165-60-0	Nitrobenzene-d5	68%	42-108%
321-60-8	2-Fluorobiphenyl	64%	40-106%
1718-51-0	Terphenyl-d14	74%	39-121%

Method Blank Summary

Job Number: F49400
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20582-MB	L036530.D	1	05/22/07	RB	05/15/07	OP20582	SL1873

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49400-1, F49400-2, F49400-3, F49400-4

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	2.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	2.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	5.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	2.0	ug/l	
	3&4-Methylphenol	ND	5.0	2.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	2.0	ug/l	
100-02-7	4-Nitrophenol	ND	25	10	ug/l	
87-86-5	Pentachlorophenol	ND	25	10	ug/l	
108-95-2	Phenol	ND	5.0	2.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.0	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
92-87-5	Benzidine	ND	25	15	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	4.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	2.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	1.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	

Method Blank Summary

Job Number: F49400
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20582-MB	L036530.D	1	05/22/07	RB	05/15/07	OP20582	SL1873

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49400-1, F49400-2, F49400-3, F49400-4

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	1.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	2.5	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	2.5	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	2.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
88-74-4	2-Nitroaniline	ND	10	4.0	ug/l	
99-09-2	3-Nitroaniline	ND	10	4.0	ug/l	
100-01-6	4-Nitroaniline	ND	10	4.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	34%	14-62%
4165-62-2	Phenol-d5	23%	10-40%

Method Blank Summary

Job Number: F49400
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20582-MB	L036530.D	1	05/22/07	RB	05/15/07	OP20582	SL1873

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49400-1, F49400-2, F49400-3, F49400-4

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	70%	33-118%
4165-60-0	Nitrobenzene-d5	68%	42-108%
321-60-8	2-Fluorobiphenyl	65%	40-106%
1718-51-0	Terphenyl-d14	74%	39-121%

Blank Spike Summary

Job Number: F49400
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20582-BS	L036467.D	1	05/17/07	RB	05/15/07	OP20582	SL1870

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49400-1, F49400-2, F49400-3, F49400-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	100	14.0	14	10-50
95-57-8	2-Chlorophenol	50	38.2	76	44-103
59-50-7	4-Chloro-3-methyl phenol	50	40.4	81	53-105
120-83-2	2,4-Dichlorophenol	50	40.7	81	53-108
105-67-9	2,4-Dimethylphenol	50	29.1	58	37-91
51-28-5	2,4-Dinitrophenol	100	88.7	89	37-111
534-52-1	4,6-Dinitro-o-cresol	100	96.1	96	62-115
95-48-7	2-Methylphenol	50	32.7	65	35-91
	3&4-Methylphenol	100	58.5	59	32-85
88-75-5	2-Nitrophenol	50	43.6	87	49-111
100-02-7	4-Nitrophenol	100	33.3	33	13-55
87-86-5	Pentachlorophenol	100	83.4	83	57-118
108-95-2	Phenol	50	16.7	33	13-54
95-95-4	2,4,5-Trichlorophenol	50	42.6	85	59-106
88-06-2	2,4,6-Trichlorophenol	50	41.9	84	58-107
83-32-9	Acenaphthene	50	42.7	85	58-106
208-96-8	Acenaphthylene	50	42.4	85	58-105
120-12-7	Anthracene	50	44.9	90	65-108
56-55-3	Benzo(a)anthracene	50	44.1	88	63-111
50-32-8	Benzo(a)pyrene	50	43.8	88	62-106
205-99-2	Benzo(b)fluoranthene	50	45.8	92	63-109
191-24-2	Benzo(g,h,i)perylene	50	43.7	87	61-111
207-08-9	Benzo(k)fluoranthene	50	45.5	91	64-111
101-55-3	4-Bromophenyl phenyl ether	50	43.3	87	64-107
85-68-7	Butyl benzyl phthalate	50	45.5	91	59-114
100-51-6	Benzyl Alcohol	50	31.8	64	34-98
91-58-7	2-Chloronaphthalene	50	39.8	80	54-105
106-47-8	4-Chloroaniline	50	38.2	76	53-103
218-01-9	Chrysene	50	43.8	88	64-111
111-91-1	bis(2-Chloroethoxy)methane	50	36.8	74	48-101
111-44-4	bis(2-Chloroethyl)ether	50	38.7	77	51-108
108-60-1	bis(2-Chloroisopropyl)ether	50	37.7	75	43-106
7005-72-3	4-Chlorophenyl phenyl ether	50	42.4	85	61-107
95-50-1	1,2-Dichlorobenzene	50	34.7	69	41-102
541-73-1	1,3-Dichlorobenzene	50	33.8	68	38-100
106-46-7	1,4-Dichlorobenzene	50	33.6	67	40-100

Blank Spike Summary

Job Number: F49400
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20582-BS	L036467.D	1	05/17/07	RB	05/15/07	OP20582	SL1870

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49400-1, F49400-2, F49400-3, F49400-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
121-14-2	2,4-Dinitrotoluene	50	43.9	88	60-109
606-20-2	2,6-Dinitrotoluene	50	44.9	90	58-104
91-94-1	3,3'-Dichlorobenzidine	50	41.1	82	57-105
53-70-3	Dibenzo(a,h)anthracene	50	45.4	91	62-112
132-64-9	Dibenzofuran	50	42.2	84	61-108
84-74-2	Di-n-butyl phthalate	50	45.5	91	62-109
117-84-0	Di-n-octyl phthalate	50	48.8	98	60-120
84-66-2	Diethyl phthalate	50	44.2	88	62-109
131-11-3	Dimethyl phthalate	50	43.5	87	63-106
117-81-7	bis(2-Ethylhexyl)phthalate	50	45.7	91	59-116
206-44-0	Fluoranthene	50	44.8	90	65-114
86-73-7	Fluorene	50	43.0	86	61-106
118-74-1	Hexachlorobenzene	50	43.8	88	62-107
87-68-3	Hexachlorobutadiene	50	35.2	70	38-107
77-47-4	Hexachlorocyclopentadiene	50	31.5	63	19-84
67-72-1	Hexachloroethane	50	32.6	65	35-101
193-39-5	Indeno(1,2,3-cd)pyrene	50	44.6	89	61-113
78-59-1	Isophorone	50	41.3	83	56-111
91-57-6	2-Methylnaphthalene	50	40.5	81	56-112
88-74-4	2-Nitroaniline	50	44.2	88	60-109
99-09-2	3-Nitroaniline	50	43.8	88	52-107
100-01-6	4-Nitroaniline	50	44.1	88	59-111
91-20-3	Naphthalene	50	38.8	78	50-104
98-95-3	Nitrobenzene	50	40.0	80	52-105
621-64-7	N-Nitroso-di-n-propylamine	50	40.4	81	51-104
86-30-6	N-Nitrosodiphenylamine	50	43.8	88	57-110
85-01-8	Phenanthrene	50	44.9	90	65-108
129-00-0	Pyrene	50	45.7	91	60-113
120-82-1	1,2,4-Trichlorobenzene	50	35.7	71	45-104

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	44%	14-62%
4165-62-2	Phenol-d5	30%	10-40%
118-79-6	2,4,6-Tribromophenol	89%	33-118%

Blank Spike Summary

Job Number: F49400
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20582-BS	L036467.D	1	05/17/07	RB	05/15/07	OP20582	SL1870

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49400-1, F49400-2, F49400-3, F49400-4

CAS No.	Surrogate Recoveries	BSP	Limits
4165-60-0	Nitrobenzene-d5	82%	42-108%
321-60-8	2-Fluorobiphenyl	81%	40-106%
1718-51-0	Terphenyl-d14	89%	39-121%

Blank Spike Summary

Job Number: F49400
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20582-BS	L036496.D	1	05/18/07	RB	05/15/07	OP20582	SL1871

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49400-1, F49400-2, F49400-3, F49400-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	100	14.3	14	10-50
95-57-8	2-Chlorophenol	50	38.6	77	44-103
59-50-7	4-Chloro-3-methyl phenol	50	41.8	84	53-105
120-83-2	2,4-Dichlorophenol	50	41.3	83	53-108
105-67-9	2,4-Dimethylphenol	50	23.5	47	37-91
51-28-5	2,4-Dinitrophenol	100	90.4	90	37-111
534-52-1	4,6-Dinitro-o-cresol	100	96.1	96	62-115
95-48-7	2-Methylphenol	50	32.8	66	35-91
	3&4-Methylphenol	100	59.5	60	32-85
88-75-5	2-Nitrophenol	50	43.9	88	49-111
100-02-7	4-Nitrophenol	100	32.4	32	13-55
87-86-5	Pentachlorophenol	100	83.5	84	57-118
108-95-2	Phenol	50	17.4	35	13-54
95-95-4	2,4,5-Trichlorophenol	50	42.7	85	59-106
88-06-2	2,4,6-Trichlorophenol	50	42.5	85	58-107
83-32-9	Acenaphthene	50	42.9	86	58-106
208-96-8	Acenaphthylene	50	43.2	86	58-105
120-12-7	Anthracene	50	44.3	89	65-108
92-87-5	Benzidine	50	ND	0*	15-73
56-55-3	Benzo(a)anthracene	50	43.3	87	63-111
50-32-8	Benzo(a)pyrene	50	43.3	87	62-106
205-99-2	Benzo(b)fluoranthene	50	45.4	91	63-109
191-24-2	Benzo(g,h,i)perylene	50	41.9	84	61-111
207-08-9	Benzo(k)fluoranthene	50	45.9	92	64-111
101-55-3	4-Bromophenyl phenyl ether	50	43.4	87	64-107
85-68-7	Butyl benzyl phthalate	50	44.9	90	59-114
100-51-6	Benzyl Alcohol	50	32.7	65	34-98
91-58-7	2-Chloronaphthalene	50	40.9	82	54-105
106-47-8	4-Chloroaniline	50	39.0	78	53-103
218-01-9	Chrysene	50	44.1	88	64-111
111-91-1	bis(2-Chloroethoxy)methane	50	37.4	75	48-101
111-44-4	bis(2-Chloroethyl)ether	50	40.1	80	51-108
108-60-1	bis(2-Chloroisopropyl)ether	50	39.7	79	43-106
7005-72-3	4-Chlorophenyl phenyl ether	50	43.2	86	61-107
95-50-1	1,2-Dichlorobenzene	50	35.0	70	41-102
541-73-1	1,3-Dichlorobenzene	50	34.1	68	38-100

Blank Spike Summary

Job Number: F49400
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20582-BS	L036496.D	1	05/18/07	RB	05/15/07	OP20582	SL1871

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49400-1, F49400-2, F49400-3, F49400-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
106-46-7	1,4-Dichlorobenzene	50	34.3	69	40-100
121-14-2	2,4-Dinitrotoluene	50	44.2	88	60-109
606-20-2	2,6-Dinitrotoluene	50	44.6	89	58-104
91-94-1	3,3'-Dichlorobenzidine	50	40.2	80	57-105
53-70-3	Dibenzo(a,h)anthracene	50	43.4	87	62-112
132-64-9	Dibenzofuran	50	42.3	85	61-108
84-74-2	Di-n-butyl phthalate	50	45.0	90	62-109
117-84-0	Di-n-octyl phthalate	50	47.9	96	60-120
84-66-2	Diethyl phthalate	50	45.3	91	62-109
131-11-3	Dimethyl phthalate	50	44.2	88	63-106
117-81-7	bis(2-Ethylhexyl)phthalate	50	44.9	90	59-116
206-44-0	Fluoranthene	50	44.7	89	65-114
86-73-7	Fluorene	50	43.9	88	61-106
118-74-1	Hexachlorobenzene	50	43.1	86	62-107
87-68-3	Hexachlorobutadiene	50	35.1	70	38-107
77-47-4	Hexachlorocyclopentadiene	50	30.3	61	19-84
67-72-1	Hexachloroethane	50	33.0	66	35-101
193-39-5	Indeno(1,2,3-cd)pyrene	50	43.2	86	61-113
78-59-1	Isophorone	50	42.1	84	56-111
91-57-6	2-Methylnaphthalene	50	41.0	82	56-112
88-74-4	2-Nitroaniline	50	44.4	89	60-109
99-09-2	3-Nitroaniline	50	43.6	87	52-107
100-01-6	4-Nitroaniline	50	45.2	90	59-111
91-20-3	Naphthalene	50	39.0	78	50-104
98-95-3	Nitrobenzene	50	40.5	81	52-105
621-64-7	N-Nitroso-di-n-propylamine	50	41.6	83	51-104
86-30-6	N-Nitrosodiphenylamine	50	43.6	87	57-110
85-01-8	Phenanthrene	50	44.5	89	65-108
129-00-0	Pyrene	50	45.1	90	60-113
120-82-1	1,2,4-Trichlorobenzene	50	36.2	72	45-104

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	45%	14-62%
4165-62-2	Phenol-d5	31%	10-40%

Blank Spike Summary

Job Number: F49400
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20582-BS	L036496.D	1	05/18/07	RB	05/15/07	OP20582	SL1871

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49400-1, F49400-2, F49400-3, F49400-4

CAS No.	Surrogate Recoveries	BSP	Limits
118-79-6	2,4,6-Tribromophenol	88%	33-118%
4165-60-0	Nitrobenzene-d5	83%	42-108%
321-60-8	2-Fluorobiphenyl	81%	40-106%
1718-51-0	Terphenyl-d14	87%	39-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49400
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20582-MS	L036498.D	1	05/18/07	RB	05/15/07	OP20582	SL1871
OP20582-MSD	L036499.D	1	05/18/07	RB	05/15/07	OP20582	SL1871
F49383-2	L036471.D	1	05/17/07	RB	05/15/07	OP20582	SL1870

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49400-1, F49400-2, F49400-3, F49400-4

CAS No.	Compound	F49383-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	ND		192	ND	0*	ND	0*	nc	10-50/40
95-57-8	2-Chlorophenol	ND		96.2	66.5	69	78.0	81	16	44-103/29
59-50-7	4-Chloro-3-methyl phenol	ND		96.2	78.5	82	83.7	87	6	53-105/24
120-83-2	2,4-Dichlorophenol	ND		96.2	73.2	76	83.1	86	13	53-108/26
105-67-9	2,4-Dimethylphenol	ND		96.2	50.6	53	55.3	58	9	37-91/28
51-28-5	2,4-Dinitrophenol	ND		192	155	81	132	69	16	37-111/30
534-52-1	4,6-Dinitro-o-cresol	ND		192	177	92	180	94	2	62-115/26
95-48-7	2-Methylphenol	ND		96.2	64.7	67	73.9	77	13	35-91/30
	3&4-Methylphenol	ND		192	130	68	142	74	9	32-85/29
88-75-5	2-Nitrophenol	ND		96.2	74.9	78	86.6	90	14	49-111/30
100-02-7	4-Nitrophenol	ND		192	108	56*	100	52	8	13-55/31
87-86-5	Pentachlorophenol	ND		192	154	80	156	81	1	57-118/26
108-95-2	Phenol	ND		96.2	49.0	51	51.0	53	4	13-54/34
95-95-4	2,4,5-Trichlorophenol	ND		96.2	79.1	82	83.2	87	5	59-106/23
88-06-2	2,4,6-Trichlorophenol	ND		96.2	77.4	80	81.7	85	5	58-107/24
83-32-9	Acenaphthene	ND		96.2	79.3	82	82.5	86	4	58-106/21
208-96-8	Acenaphthylene	ND		96.2	79.1	82	83.9	87	6	58-105/21
120-12-7	Anthracene	ND		96.2	83.4	87	85.2	89	2	65-108/19
92-87-5	Benzidine	ND		96.2	37.9	39	38.6	40	2	15-73/23
56-55-3	Benzo(a)anthracene	ND		96.2	81.6	85	83.5	87	2	63-111/19
50-32-8	Benzo(a)pyrene	ND		96.2	81.0	84	83.7	87	3	62-106/20
205-99-2	Benzo(b)fluoranthene	ND		96.2	82.4	86	84.7	88	3	63-109/20
191-24-2	Benzo(g,h,i)perylene	ND		96.2	80.9	84	82.4	86	2	61-111/21
207-08-9	Benzo(k)fluoranthene	ND		96.2	86.1	90	89.4	93	4	64-111/20
101-55-3	4-Bromophenyl phenyl ether	ND		96.2	80.5	84	83.3	87	3	64-107/20
85-68-7	Butyl benzyl phthalate	ND		96.2	82.3	86	86.8	90	5	59-114/20
100-51-6	Benzyl Alcohol	ND		96.2	68.3	71	74.7	78	9	34-98/27
91-58-7	2-Chloronaphthalene	ND		96.2	74.2	77	79.9	83	7	54-105/24
106-47-8	4-Chloroaniline	ND		96.2	69.7	72	76.9	80	10	53-103/22
218-01-9	Chrysene	ND		96.2	82.8	86	83.8	87	1	64-111/19
111-91-1	bis(2-Chloroethoxy)methane	ND		96.2	65.9	69	74.8	78	13	48-101/28
111-44-4	bis(2-Chloroethyl)ether	ND		96.2	66.1	69	78.1	81	17	51-108/27
108-60-1	bis(2-Chloroisopropyl)ether	ND		96.2	64.7	67	76.9	80	17	43-106/27
7005-72-3	4-Chlorophenyl phenyl ether	ND		96.2	79.5	83	80.9	84	2	61-107/20
95-50-1	1,2-Dichlorobenzene	ND		96.2	64.6	67	76.1	79	16	41-102/28
541-73-1	1,3-Dichlorobenzene	ND		96.2	63.5	66	75.7	79	18	38-100/28

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49400
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20582-MS	L036498.D	1	05/18/07	RB	05/15/07	OP20582	SL1871
OP20582-MSD	L036499.D	1	05/18/07	RB	05/15/07	OP20582	SL1871
F49383-2	L036471.D	1	05/17/07	RB	05/15/07	OP20582	SL1870

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49400-1, F49400-2, F49400-3, F49400-4

CAS No.	Compound	F49383-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
106-46-7	1,4-Dichlorobenzene	ND		96.2	63.5	66	75.3	78	17	40-100/28
121-14-2	2,4-Dinitrotoluene	ND		96.2	83.4	87	85.4	89	2	60-109/20
606-20-2	2,6-Dinitrotoluene	ND		96.2	82.3	86	86.1	90	5	58-104/21
91-94-1	3,3'-Dichlorobenzidine	ND		96.2	75.6	79	76.7	80	1	57-105/25
53-70-3	Dibenzo(a,h)anthracene	ND		96.2	85.3	89	87.5	91	3	62-112/20
132-64-9	Dibenzofuran	ND		96.2	78.4	82	81.3	85	4	61-108/20
84-74-2	Di-n-butyl phthalate	ND		96.2	83.1	86	86.5	90	4	62-109/20
117-84-0	Di-n-octyl phthalate	ND		96.2	84.7	88	90.4	94	7	60-120/24
84-66-2	Diethyl phthalate	ND		96.2	83.2	87	84.5	88	2	62-109/19
131-11-3	Dimethyl phthalate	ND		96.2	81.7	85	84.2	88	3	63-106/19
117-81-7	bis(2-Ethylhexyl)phthalate	ND		96.2	82.8	86	86.5	90	4	59-116/21
206-44-0	Fluoranthene	ND		96.2	83.6	87	86.5	90	3	65-114/21
86-73-7	Fluorene	ND		96.2	81.2	84	83.6	87	3	61-106/19
118-74-1	Hexachlorobenzene	ND		96.2	77.3	80	81.7	85	6	62-107/20
87-68-3	Hexachlorobutadiene	ND		96.2	68.3	71	79.6	83	15	38-107/30
77-47-4	Hexachlorocyclopentadiene	ND		96.2	51.7	54	64.9	67	23	19-84/35
67-72-1	Hexachloroethane	ND		96.2	63.4	66	74.8	78	16	35-101/29
193-39-5	Indeno(1,2,3-cd)pyrene	ND		96.2	82.7	86	84.8	88	3	61-113/20
78-59-1	Isophorone	ND		96.2	74.7	78	83.5	87	11	56-111/26
91-57-6	2-Methylnaphthalene	ND		96.2	74.4	77	81.9	85	10	56-112/26
88-74-4	2-Nitroaniline	ND		96.2	81.8	85	85.2	89	4	60-109/20
99-09-2	3-Nitroaniline	ND		96.2	84.8	88	85.8	89	1	52-107/21
100-01-6	4-Nitroaniline	ND		96.2	86.3	90	88.6	92	3	59-111/21
91-20-3	Naphthalene	ND		96.2	69.5	72	79.2	82	13	50-104/28
98-95-3	Nitrobenzene	ND		96.2	70.1	73	81.2	84	15	52-105/28
621-64-7	N-Nitroso-di-n-propylamine	ND		96.2	69.6	72	78.8	82	12	51-104/28
86-30-6	N-Nitrosodiphenylamine	ND		96.2	80.9	84	84.5	88	4	57-110/19
85-01-8	Phenanthrene	ND		96.2	83.2	87	85.8	89	3	65-108/20
129-00-0	Pyrene	ND		96.2	84.0	87	87.2	91	4	60-113/20
120-82-1	1,2,4-Trichlorobenzene	ND		96.2	66.5	69	76.2	79	14	45-104/28

CAS No.	Surrogate Recoveries	MS	MSD	F49383-2	Limits
367-12-4	2-Fluorophenol	59%	63%*	34%	14-62%
4165-62-2	Phenol-d5	48%*	49%*	23%	10-40%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49400
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20582-MS	L036498.D	1	05/18/07	RB	05/15/07	OP20582	SL1871
OP20582-MSD	L036499.D	1	05/18/07	RB	05/15/07	OP20582	SL1871
F49383-2	L036471.D	1	05/17/07	RB	05/15/07	OP20582	SL1870

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49400-1, F49400-2, F49400-3, F49400-4

CAS No.	Surrogate Recoveries	MS	MSD	F49383-2	Limits
118-79-6	2,4,6-Tribromophenol	85%	87%	80%	33-118%
4165-60-0	Nitrobenzene-d5	74%	85%	69%	42-108%
321-60-8	2-Fluorobiphenyl	75%	82%	69%	40-106%
1718-51-0	Terphenyl-d14	84%	85%	83%	39-121%

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F49400
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GHH1152-MB	HH026217.D	1	05/18/07	TD	n/a	n/a	GHH1152

The QC reported here applies to the following samples: **Method:** SW846 8015

F49400-1, F49400-3, F49400-4

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	87%	57-129%
98-08-8	aaa-Trifluorotoluene	81%	58-120%

Method Blank Summary

Job Number: F49400
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GHH1154-MB	HH026269.D	1	05/22/07	TD	n/a	n/a	GHH1154

The QC reported here applies to the following samples: **Method:** SW846 8015

F49400-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	100%	57-129%
98-08-8	aaa-Trifluorotoluene	89%	58-120%

Blank Spike Summary

Job Number: F49400
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GHH1152-BS	HH026216.D	1	05/18/07	TD	n/a	n/a	GHH1152

The QC reported here applies to the following samples: **Method:** SW846 8015

F49400-1, F49400-3, F49400-4

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	0.4	0.452	113	75-129

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	98%	57-129%
98-08-8	aaa-Trifluorotoluene	100%	58-120%

Blank Spike Summary

Job Number: F49400
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GHH1154-BS	HH026268.D	1	05/22/07	TD	n/a	n/a	GHH1154

The QC reported here applies to the following samples: **Method:** SW846 8015

F49400-2

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	0.4	0.482	121	75-129

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	109%	57-129%
98-08-8	aaa-Trifluorotoluene	99%	58-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49400
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49350-2MS	HH026224.D	1	05/18/07	TD	n/a	n/a	GHH1152
F49350-2MSD	HH026225.D	1	05/18/07	TD	n/a	n/a	GHH1152
F49350-2	HH026221.D	1	05/18/07	TD	n/a	n/a	GHH1152

The QC reported here applies to the following samples: **Method:** SW846 8015

F49400-1, F49400-3, F49400-4

CAS No.	Compound	F49350-2 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		0.4	0.530	133*	0.508	127	4	75-129/13

CAS No.	Surrogate Recoveries	MS	MSD	F49350-2	Limits
460-00-4	4-Bromofluorobenzene	95%	94%	80%	57-129%
98-08-8	aaa-Trifluorotoluene	95%	96%	80%	58-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49400
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49499-1MS	HH026282.D	10	05/22/07	TD	n/a	n/a	GHH1154
F49499-1MSD	HH026283.D	10	05/22/07	TD	n/a	n/a	GHH1154
F49499-1	HH026273.D	10	05/22/07	TD	n/a	n/a	GHH1154

The QC reported here applies to the following samples: **Method:** SW846 8015

F49400-2

CAS No.	Compound	F49499-1 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	2.51		4	6.89	110	6.52	100	6	75-129/13

CAS No.	Surrogate Recoveries	MS	MSD	F49499-1	Limits
460-00-4	4-Bromofluorobenzene	108%	107%	96%	57-129%
98-08-8	aaa-Trifluorotoluene	97%	91%	81%	58-120%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F49400
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20545-MB	YY02383.D	1	05/17/07	MG	05/14/07	OP20545	GYY93

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F49400-1, F49400-2, F49400-3, F49400-4

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.25	0.10	mg/l	
	TPH (> C22-C36)	ND	0.25	0.10	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	79%	42-114%

Blank Spike Summary

Job Number: F49400
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20545-BS	YY02382.D	1	05/17/07	MG	05/14/07	OP20545	GYY93

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F49400-1, F49400-2, F49400-3, F49400-4

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH (C10-C22)	1	0.806	81	60-140
	TPH (> C22-C36)	1	1.02	102	60-140

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	87%	42-114%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49400
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20545-MS	YY02387.D	1	05/17/07	MG	05/14/07	OP20545	GYY93
OP20545-MSD	YY02388.D	1	05/17/07	MG	05/14/07	OP20545	GYY93
F49350-3	YY02386.D	1	05/17/07	MG	05/14/07	OP20545	GYY93

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F49400-1, F49400-2, F49400-3, F49400-4

CAS No.	Compound	F49350-3 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		1.92	1.92	100	1.80	94	6	60-140/30
	TPH (> C22-C36)	ND		1.92	2.28	119	2.23	116	2	60-140/30

CAS No.	Surrogate Recoveries	MS	MSD	F49350-3	Limits
84-15-1	o-Terphenyl	90%	83%	77%	42-114%

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F49400
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11950
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 05/11/07

Metal	RL	IDL	MB raw	final
Mercury	1.0	.08	-0.054	<1.0

Associated samples MP11950: F49400-1, F49400-2, F49400-3, F49400-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F49400
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11950
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 05/11/07 05/11/07

Metal	F49370-1 Original	DUP	RPD	QC Limits	F49370-1 Original	MS	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.0	0.0	NC	0-20	0.0	2.9	3	96.7	80-120

Associated samples MP11950: F49400-1, F49400-2, F49400-3, F49400-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F49400
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11950 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/11/07

Metal	F49370-1 Original	MSD	Spikelot HGFLWS1	% Rec	MSD RPD	QC Limit
Mercury	0.0	2.8	3	93.3	3.5	20

Associated samples MP11950: F49400-1, F49400-2, F49400-3, F49400-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F49400
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11950
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 05/11/07

Metal	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	2.8	3	93.3	80-120

Associated samples MP11950: F49400-1, F49400-2, F49400-3, F49400-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: F49400
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11950 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/11/07

Metal	F49370-1 Original	SDL 1:5	RPD	QC Limits
Mercury	0.00	0.00	NC	0-10

Associated samples MP11950: F49400-1, F49400-2, F49400-3, F49400-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F49400
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12012
Matrix Type: AQUEOUS

Methods: EPA 200.7
Units: ug/l

Prep Date: 05/17/07

Metal	RL	IDL	MB raw	final
Aluminum	200	18		
Antimony	6.0	3.4		
Arsenic	10	2.8	2.9	<10
Barium	200	5	0.12	<200
Beryllium	4.0	1		
Cadmium	5.0	1	0.11	<5.0
Calcium	1000	42		
Chromium	10	.6	0.49	<10
Cobalt	50	1		
Copper	25	.9		
Iron	300	12		
Lead	10	1.7	3.6	<10
Magnesium	5000	4.3		
Manganese	15	.6		
Molybdenum	50	1.3		
Nickel	40	1		
Potassium	10000	10		
Selenium	10	2	-0.41	<10
Silver	10	.9	0.11	<10
Sodium	10000	500		
Thallium	10	2.3		
Tin	50	3.1		
Vanadium	50	.6		
Zinc	20	1.3		

Associated samples MP12012: F49400-1, F49400-2, F49400-3, F49400-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F49400
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12012
Matrix Type: AQUEOUS

Methods: EPA 200.7
Units: ug/l

Prep Date:			05/17/07					05/17/07	
Metal	F49400-1 Original	DUP	RPD	QC Limits	F49400-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic	8.1	8.7	7.1	0-20	8.1	1980	2000	98.6	70-130
Barium	11.8	11.4	3.4	0-20	11.8	2070	2000	102.9	70-130
Beryllium									
Cadmium	0.0	0.0	NC	0-20	0.0	48.6	50	97.2	70-130
Calcium									
Chromium	0.62	0.0	200.0(a)	0-20	0.62	185	200	92.2	70-130
Cobalt									
Copper									
Iron									
Lead	0.0	0.0	NC	0-20	0.0	496	500	99.2	70-130
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	0.0	0.0	NC	0-20	0.0	2120	2000	106.0	70-130
Silver	1.8	0.0	200.0(a)	0-20	1.8	53.7	50	103.8	70-130
Sodium									
Thallium									
Tin									
Vanadium									
Zinc									

Associated samples MP12012: F49400-1, F49400-2, F49400-3, F49400-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) RPD acceptable due to low duplicate and sample concentrations.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F49400
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12012
Matrix Type: AQUEOUS

Methods: EPA 200.7
Units: ug/l

Prep Date: 05/17/07

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	1980	2000	99.0	85-115
Barium	2080	2000	104.0	85-115
Beryllium				
Cadmium	52.3	50	104.6	85-115
Calcium				
Chromium	201	200	100.5	85-115
Cobalt				
Copper				
Iron				
Lead	496	500	99.2	85-115
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	1950	2000	97.5	85-115
Silver	48.9	50	97.8	85-115
Sodium				
Thallium				
Tin				
Vanadium				
Zinc				

Associated samples MP12012: F49400-1, F49400-2, F49400-3, F49400-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: F49400
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12012
Matrix Type: AQUEOUS

Methods: EPA 200.7
Units: ug/l

Prep Date: 05/17/07

Metal	F49400-1 Original	SDL 1:5	RPD	QC Limits
Aluminum				
Antimony				
Arsenic	8.12	0.00	100.0(a)	0-10
Barium	11.8	0.00	100.0(a)	0-10
Beryllium				
Cadmium	0.00	0.00	NC	0-10
Calcium				
Chromium	0.620	0.00	100.0(a)	0-10
Cobalt				
Copper				
Iron				
Lead	0.00	11.6		0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	0.00	0.00	NC	0-10
Silver	1.77	0.00	100.0(a)	0-10
Sodium				
Thallium				
Tin				
Vanadium				
Zinc				

Associated samples MP12012: F49400-1, F49400-2, F49400-3, F49400-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: F49400
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Solids, Total Dissolved	GN25401	100	<100	mg/l				

Associated Samples:
Batch GN25401: F49400-1, F49400-2, F49400-3, F49400-4
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: F49400
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Solids, Total Dissolved	GN25401	F49376-1	mg/l	354	290	19.9	0-30%

Associated Samples:
Batch GN25401: F49400-1, F49400-2, F49400-3, F49400-4
(*) Outside of QC limits

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

10/29/08

Technical Report for

Bhate Environmental Associates, Inc.

HOLMN

PROJECT # 9050361.01.02

Accutest Job Number: F49416

Sampling Dates: 05/08/07 - 05/09/07

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **167**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Sections: 1 2 3 4 5 6 7 8 9

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **7**
3.1: F49416-1: SS61-DP-66 20 8
3.2: F49416-2: SS61-DP-66 13 17
3.3: F49416-3: SS61-DP-65 11 26
3.4: F49416-4: SS61-DP-65 19 35
3.5: F49416-5: SS61-DP-67 17 44
3.6: F49416-6: SS61-DP-67a 17 53
3.7: F49416-7: SS61-DP-68 19 62
3.8: F49416-8: SS61-DP-69 15 71
3.9: F49416-9: SS61-DP-69a 15 80
3.10: F49416-10: SS61-TRIP BLANK 89
Section 4: Misc. Forms **92**
4.1: Chain of Custody 93
Section 5: GC/MS Volatiles - QC Data Summaries **95**
5.1: Method Blank Summary 96
5.2: Blank Spike Summary 106
5.3: Matrix Spike/Matrix Spike Duplicate Summary 116
Section 6: GC/MS Semi-volatiles - QC Data Summaries **126**
6.1: Method Blank Summary 127
6.2: Blank Spike Summary 133
6.3: Matrix Spike/Matrix Spike Duplicate Summary 136
Section 7: GC Volatiles - QC Data Summaries **139**
7.1: Method Blank Summary 140
7.2: Blank Spike Summary 144
7.3: Matrix Spike/Matrix Spike Duplicate Summary 148
Section 8: GC Semi-volatiles - QC Data Summaries **152**
8.1: Method Blank Summary 153
8.2: Blank Spike Summary 155
8.3: Matrix Spike/Matrix Spike Duplicate Summary 156
Section 9: Metals Analysis - QC Data Summaries **157**
9.1: Prep QC MP11969: Hg 158
9.2: Prep QC MP12021: As,Ba,Cd,Cr,Pb,Se,Ag 163

Sample Summary

Bhate Environmental Associates, Inc.

Job No: F49416

HOLMN
Project No: PROJECT # 9050361.01.02

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F49416-1	05/08/07	16:40	BW	05/10/07	SO	Soil	SS61-DP-66 20
F49416-2	05/08/07	16:10	BW	05/10/07	SO	Soil	SS61-DP-66 13
F49416-3	05/08/07	14:30	BW	05/10/07	SO	Soil	SS61-DP-65 11
F49416-4	05/08/07	14:45	BW	05/10/07	SO	Soil	SS61-DP-65 19
F49416-5	05/09/07	08:45	BW	05/10/07	SO	Soil	SS61-DP-67 17
F49416-6	05/09/07	08:45	BW	05/10/07	SO	Soil	SS61-DP-67a 17
F49416-7	05/09/07	10:15	BW	05/10/07	SO	Soil	SS61-DP-68 19
F49416-8	05/09/07	11:00	BW	05/10/07	SO	Soil	SS61-DP-69 15
F49416-9	05/09/07	11:10	BW	05/10/07	SO	Soil	SS61-DP-69a 15
F49416-10	05/09/07	00:00	BW	05/10/07	AQ	Trip Blank Soil	SS61-TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Bhate Environmental Associates, Inc. **Job No:** F49416

Site: HOLMN **Report Date** 5/31/2007 10:12:30

9 Samples, 1 Trip Blank were collected on between 05/08/2007 and 05/09/2007 and received at Accutest on 05/10/2007 properly preserved, at 2.6 Deg. C and intact. These Samples received an Accutest job number of F49416. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VJ2127

All samples were analyzed within the recommended method holding time.

Sample(s) F49469-1MS, F49469-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for Dichlorodifluoromethane are outside control limits. Biased high, not detected in the samples, data integrity not adversely affected.

MS/MSD Recovery(s) for 2-Chloroethyl vinyl ether, Trichlorofluoromethane are outside control limits. Probable cause due to matrix interference. See Blank Spike.

Sample(s) F49486-32MS have surrogates outside control limits. Probable cause due to matrix interference.

Matrix: SO **Batch ID:** VF366

All samples were analyzed within the recommended method holding time.

Sample(s) F49486-32MS, F49486-32MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for Tetrachloroethylene are outside control limits. Biased high, not detected in the samples, data integrity not adversely affected.

Matrix Spike Recovery(s) for 1,1,2,2-Tetrachloroethane, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, Acetone, Acetonitrile, Bromobenzene, cis-1,4-Dichloro-2-Butene, Dichlorodifluoromethane, Ethyl methacrylate, Hexachlorobutadiene, Hexane, Methacrylonitrile, Methyl ethyl ketone, n-Butylbenzene, n-Propylbenzene, Naphthalene, o-Chlorotoluene, p-Chlorotoluene, Propionitrile, Toluene, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Acetone, Acetonitrile, Bromobenzene, Dichlorodifluoromethane, Ethyl methacrylate, Hexachlorobutadiene, Hexane, Methacrylonitrile, Methyl ethyl ketone, Methyl methacrylate, n-Butylbenzene, Naphthalene, p-Isopropyltoluene, Propionitrile, sec-Butylbenzene, Toluene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference. See Blank Spike.

RPD(s) for MSD for cis-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits for sample F49486-32MSD. Probable cause due to sample homogeneity.

Sample(s) F49486-32MS have surrogates outside control limits. Probable cause due to matrix interference.

F49416-1 for Carbon disulfide: CCV outside of control limits; results may be biased high.

F49416-1 for Acetone: CCV outside of control limits; results may be biased high.

Matrix: SO **Batch ID:** VF367

All method blanks for this batch meet method specific criteria.

Sample(s) F49344-1MS, F49344-1MSD were used as the QC samples indicated.

Blank Spike Recovery(s) for Dichlorodifluoromethane are outside control limits. Biased high, not detected in the samples, data integrity not adversely affected.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VF367

Matrix Spike Recovery(s) for Acetone, Acrolein, Dichlorodifluoromethane, Hexachlorobutadiene, Isopropylbenzene, Methyl ethyl ketone, Methyl methacrylate, Propionitrile, Trichlorofluoromethane, Naphthalene are outside control limits. Outside control limits due to high level in sample relative to spike amount.

Matrix Spike Duplicate Recovery(s) for 1,2,3-Trichloropropane, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Acetonitrile, Acrylonitrile, cis-1,4-Dichloro-2-Butene, Dichlorodifluoromethane, Ethyl methacrylate, Methacrylonitrile, Methyl ethyl ketone,

Methyl methacrylate, Naphthalene, Propionitrile, Trans-1,4-Dichloro-2-Butene are outside control limits. Probable cause due to matrix interference. See Blank Spike.

Sample(s) F49486-32MS have surrogates outside control limits. Probable cause due to matrix interference.

F49416-9 for Acetone: CCV outside of control limits; results may be biased high.

F49416-9 for Carbon disulfide: CCV outside of control limits; results may be biased high.

F49416-5 for Acetone: CCV outside of control limits; results may be biased high.

F49416-9 for Isopropylbenzene: CCV outside of control limits; results may be biased high.

F49416-6 for Acetone: CCV outside of control limits; results may be biased high.

F49416-6 for Isopropylbenzene: CCV outside of control limits; results may be biased high.

F49416-8 for Isopropylbenzene: CCV outside of control limits; results may be biased high.

F49416-8 for Carbon disulfide: CCV outside of control limits; results may be biased high.

F49416-8 for Acetone: CCV outside of control limits; results may be biased high.

F49416-7 for Acetone: CCV outside of control limits; results may be biased high.

F49416-5 for Isopropylbenzene: CCV outside of control limits; results may be biased high.

Matrix: SO **Batch ID:** VF368

All method blanks for this batch meet method specific criteria.

Sample(s) F49463-4MS, F49463-4MSD were used as the QC samples indicated.

Sample(s) F49486-32MS have surrogates outside control limits. Probable cause due to matrix interference.

Extractables by GCMS By Method SW846 8270C

Matrix: SO **Batch ID:** OP20683

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F49463-4MS, F49463-4MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

MS and/or MSD Recovery(s) for 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Benzidine, Hexachloroethane are outside control limits. Probable cause due to matrix interference. See Blank Spike for method performance in clean matrix.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GCD3194

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49416-2MS, F49416-2MSD were used as the QC samples indicated.

Matrix: SO **Batch ID:** GCD3195

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49416-3MS, F49416-3MSD were used as the QC samples indicated.

Matrix: SO **Batch ID:** GCD3196

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Matrix: SO **Batch ID:** GCD3197

All samples were analyzed within the recommended method holding time.

Sample(s) F49416-5MS, F49416-5MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Extractables by GC By Method SW846 8015 M

Matrix: SO **Batch ID:** OP20690

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49463-4MS, F49463-4MSD were used as the QC samples indicated.

Metals By Method SW846 6010B

Matrix: SO **Batch ID:** MP12021

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49416-1DUP, F49416-1MS, F49416-1MSD, F49416-1SDL were used as the QC samples for metals.

RPD(s) for Serial Dilution for Arsenic, Cadmium, Chromium are outside control limits for sample MP12021-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

MP12021-SD1 for Chromium: Serial dilution indicates possible matrix interference.

Metals By Method SW846 7471A

Matrix: SO **Batch ID:** MP11969

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49463-4DUP, F49463-4MS, F49463-4MSD, F49463-4SDL were used as the QC samples for metals.

Wet Chemistry By Method EPA 160.3 M

Matrix: SO **Batch ID:** GN25436

Sample(s) F49414-1DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: May 31, 2007

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: SS61-DP-66 20
Lab Sample ID: F49416-1
Matrix: SO - Soil
Method: SW846 8260B SW846 5035
Project: HOLMN

Date Sampled: 05/08/07
Date Received: 05/10/07
Percent Solids: 81.3

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F021388.D	1	05/21/07	WJ	05/10/07 11:35	n/a	VF366
Run #2							

	Initial Weight
Run #1	5.44 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	170	57	28	ug/kg	J
75-05-8	Acetonitrile	ND	57	40	ug/kg	
107-02-8	Acrolein	ND	28	17	ug/kg	
107-13-1	Acrylonitrile	ND	28	14	ug/kg	
107-05-1	Allyl chloride	ND	28	5.7	ug/kg	
71-43-2	Benzene	ND	5.7	2.3	ug/kg	
100-44-7	Benzyl Chloride	ND	5.7	3.4	ug/kg	
108-86-1	Bromobenzene	ND	5.7	2.3	ug/kg	
74-97-5	Bromochloromethane	ND	5.7	2.3	ug/kg	
75-27-4	Bromodichloromethane	ND	5.7	2.3	ug/kg	
75-25-2	Bromoform	ND	5.7	2.3	ug/kg	
104-51-8	n-Butylbenzene	ND	5.7	3.4	ug/kg	
135-98-8	sec-Butylbenzene	3.9	5.7	2.3	ug/kg	J
98-06-6	tert-Butylbenzene	ND	5.7	2.3	ug/kg	
108-90-7	Chlorobenzene	ND	5.7	2.3	ug/kg	
75-00-3	Chloroethane	ND	5.7	3.4	ug/kg	
67-66-3	Chloroform	ND	5.7	2.3	ug/kg	
544-10-5	1-Chlorohexane	ND	5.7	2.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.7	2.3	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.7	2.3	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	28	14	ug/kg	
75-15-0	Carbon disulfide [a]	3.6	5.7	2.3	ug/kg	J
56-23-5	Carbon tetrachloride	ND	5.7	2.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.7	2.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.7	2.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.7	2.3	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.7	3.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.7	2.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.7	2.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.7	2.3	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.7	2.3	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.7	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-66 20		
Lab Sample ID:	F49416-1	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.3
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.7	2.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.7	3.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.7	2.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.7	2.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	28	5.7	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.7	2.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.7	2.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.7	2.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.7	2.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.7	2.3	ug/kg	
100-41-4	Ethylbenzene	ND	5.7	2.3	ug/kg	
97-63-2	Ethyl methacrylate	ND	28	5.7	ug/kg	
76-13-1	Freon 113	ND	5.7	2.3	ug/kg	
591-78-6	2-Hexanone	ND	28	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.7	2.3	ug/kg	
110-54-3	Hexane	ND	5.7	3.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.7	2.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.7	2.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	28	11	ug/kg	
126-98-7	Methacrylonitrile	ND	28	11	ug/kg	
74-83-9	Methyl bromide	ND	5.7	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.7	2.3	ug/kg	
74-88-4	Methyl iodide	ND	11	2.3	ug/kg	
80-62-6	Methyl methacrylate	ND	28	5.7	ug/kg	
74-95-3	Methylene bromide	ND	5.7	2.3	ug/kg	
75-09-2	Methylene chloride	ND	11	5.7	ug/kg	
78-93-3	Methyl ethyl ketone	ND	28	11	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.7	2.3	ug/kg	
91-20-3	Naphthalene	ND	5.7	2.3	ug/kg	
76-01-7	Pentachloroethane	ND	28	5.7	ug/kg	
107-12-0	Propionitrile	ND	57	11	ug/kg	
103-65-1	n-Propylbenzene	ND	5.7	2.3	ug/kg	
100-42-5	Styrene	ND	5.7	2.3	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.7	2.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.7	2.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.7	2.3	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.7	2.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.7	2.3	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.7	2.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.7	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-66 20		
Lab Sample ID:	F49416-1	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.3
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.7	3.4	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.7	2.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.7	2.3	ug/kg	
108-88-3	Toluene	ND	5.7	2.3	ug/kg	
79-01-6	Trichloroethylene	ND	5.7	2.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.7	2.3	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	28	11	ug/kg	
75-01-4	Vinyl chloride	ND	5.7	2.3	ug/kg	
108-05-4	Vinyl Acetate	50.3	28	11	ug/kg	
	m,p-Xylene	ND	11	3.4	ug/kg	
95-47-6	o-Xylene	ND	5.7	2.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		80-121%
2037-26-5	Toluene-D8	97%		71-130%
460-00-4	4-Bromofluorobenzene	102%		59-148%
17060-07-0	1,2-Dichloroethane-D4	85%		77-123%

(a) CCV outside of control limits; results may be biased high.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-66 20		
Lab Sample ID:	F49416-1	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	81.3
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U002229.D	1	05/24/07	NJ	05/22/07	OP20683	SU112
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	1000	410	ug/kg	
95-57-8	2-Chlorophenol	ND	200	41	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	200	41	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	200	41	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	200	41	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1000	410	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	410	81	ug/kg	
95-48-7	2-Methylphenol	ND	200	41	ug/kg	
	3&4-Methylphenol	ND	200	41	ug/kg	
88-75-5	2-Nitrophenol	ND	200	41	ug/kg	
100-02-7	4-Nitrophenol	ND	1000	410	ug/kg	
87-86-5	Pentachlorophenol	ND	1000	410	ug/kg	
108-95-2	Phenol	ND	200	41	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	41	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	41	ug/kg	
83-32-9	Acenaphthene	ND	200	41	ug/kg	
208-96-8	Acenaphthylene	ND	200	41	ug/kg	
120-12-7	Anthracene	ND	200	41	ug/kg	
92-87-5	Benzidine	ND	2000	1000	ug/kg	
56-55-3	Benzo(a)anthracene	ND	200	41	ug/kg	
50-32-8	Benzo(a)pyrene	ND	200	41	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	200	41	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	200	81	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	200	41	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	200	41	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	410	100	ug/kg	
100-51-6	Benzyl Alcohol	ND	200	41	ug/kg	
91-58-7	2-Chloronaphthalene	ND	200	41	ug/kg	
106-47-8	4-Chloroaniline	ND	410	160	ug/kg	
218-01-9	Chrysene	ND	200	41	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	200	41	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	200	81	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-66 20		
Lab Sample ID:	F49416-1	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	81.3
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	200	41	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	200	41	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	200	41	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	200	41	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	200	41	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	200	81	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	200	81	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	410	200	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	200	81	ug/kg	
132-64-9	Dibenzofuran	ND	200	41	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	410	100	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	410	200	ug/kg	
84-66-2	Diethyl phthalate	ND	410	100	ug/kg	
131-11-3	Dimethyl phthalate	ND	410	100	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	410	200	ug/kg	
206-44-0	Fluoranthene	ND	200	41	ug/kg	
86-73-7	Fluorene	ND	200	41	ug/kg	
118-74-1	Hexachlorobenzene	ND	200	41	ug/kg	
87-68-3	Hexachlorobutadiene	ND	200	81	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	200	81	ug/kg	
67-72-1	Hexachloroethane	ND	200	81	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	200	81	ug/kg	
78-59-1	Isophorone	ND	200	41	ug/kg	
91-57-6	2-Methylnaphthalene	ND	200	41	ug/kg	
88-74-4	2-Nitroaniline	ND	410	100	ug/kg	
99-09-2	3-Nitroaniline	ND	410	100	ug/kg	
100-01-6	4-Nitroaniline	ND	410	140	ug/kg	
91-20-3	Naphthalene	ND	200	41	ug/kg	
98-95-3	Nitrobenzene	ND	200	41	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	200	81	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	41	ug/kg	
85-01-8	Phenanthrene	ND	200	41	ug/kg	
129-00-0	Pyrene	ND	200	81	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	200	41	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	72%		40-102%
4165-62-2	Phenol-d5	74%		41-100%
118-79-6	2,4,6-Tribromophenol	82%		42-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-66 20		
Lab Sample ID:	F49416-1	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	81.3
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	71%		40-105%
321-60-8	2-Fluorobiphenyl	69%		43-107%
1718-51-0	Terphenyl-d14	82%		45-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-66 20		
Lab Sample ID:	F49416-1	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	81.3
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD077102.D	1	05/17/07	MM	05/10/07 11:35	n/a	GCD3197
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.86 g	5.0 ml	50.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	107	13	6.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	97%		56-136%
98-08-8	aaa-Trifluorotoluene	88%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-66 20		
Lab Sample ID:	F49416-1	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	81.3
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02496.D	1	05/23/07	MG	05/22/07	OP20690	GYY97
Run #2							

	Initial Weight	Final Volume
Run #1	31.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.7	5.8	mg/kg	
	TPH (> C22-C36)	ND	9.7	5.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	81%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SS61-DP-66 20
Lab Sample ID: F49416-1
Matrix: SO - Soil
Project: HOLMN

Date Sampled: 05/08/07
Date Received: 05/10/07
Percent Solids: 81.3

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	1.2	0.49	0.24	mg/kg	1	05/18/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Barium	135	12	0.31	mg/kg	1	05/18/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Cadmium	0.33	0.25	0.062	mg/kg	1	05/18/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Chromium	7.6	0.62	0.055	mg/kg	1	05/18/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Lead	2.6 J	6.2	0.12	mg/kg	1	05/18/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.0073 U	0.092	0.0073	mg/kg	1	05/14/07	05/14/07	MS	SW846 7471A [1]	SW846 7471A [3]
Selenium	0.12 U	6.2	0.12	mg/kg	1	05/18/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]
Silver	0.055 U	0.62	0.055	mg/kg	1	05/18/07	05/18/07	RS	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA5709
(2) Instrument QC Batch: MA5725
(3) Prep QC Batch: MP11969
(4) Prep QC Batch: MP12021

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-DP-66 13		
Lab Sample ID:	F49416-2	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	77.4
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F021389.D	1	05/21/07	WJ	05/10/07 11:35	n/a	VF366
Run #2							

	Initial Weight
Run #1	4.84 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	67	33	ug/kg	
75-05-8	Acetonitrile	ND	67	47	ug/kg	
107-02-8	Acrolein	ND	33	20	ug/kg	
107-13-1	Acrylonitrile	ND	33	17	ug/kg	
107-05-1	Allyl chloride	ND	33	6.7	ug/kg	
71-43-2	Benzene	ND	6.7	2.7	ug/kg	
100-44-7	Benzyl Chloride	ND	6.7	4.0	ug/kg	
108-86-1	Bromobenzene	ND	6.7	2.7	ug/kg	
74-97-5	Bromochloromethane	ND	6.7	2.7	ug/kg	
75-27-4	Bromodichloromethane	ND	6.7	2.7	ug/kg	
75-25-2	Bromoform	ND	6.7	2.7	ug/kg	
104-51-8	n-Butylbenzene	ND	6.7	4.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.7	2.7	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.7	2.7	ug/kg	
108-90-7	Chlorobenzene	ND	6.7	2.7	ug/kg	
75-00-3	Chloroethane	ND	6.7	4.0	ug/kg	
67-66-3	Chloroform	ND	6.7	2.7	ug/kg	
544-10-5	1-Chlorohexane	ND	6.7	2.7	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.7	2.7	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.7	2.7	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	33	17	ug/kg	
75-15-0	Carbon disulfide	ND	6.7	2.7	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.7	2.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.7	2.7	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.7	2.7	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.7	2.7	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.7	4.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.7	2.7	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.7	2.7	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.7	2.7	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.7	2.7	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.7	2.7	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-66 13		
Lab Sample ID:	F49416-2	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	77.4
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	6.7	2.7	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.7	4.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.7	2.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.7	2.7	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	33	6.7	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.7	2.7	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.7	2.7	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.7	2.7	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.7	2.7	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.7	2.7	ug/kg	
100-41-4	Ethylbenzene	ND	6.7	2.7	ug/kg	
97-63-2	Ethyl methacrylate	ND	33	6.7	ug/kg	
76-13-1	Freon 113	ND	6.7	2.7	ug/kg	
591-78-6	2-Hexanone	ND	33	13	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.7	2.7	ug/kg	
110-54-3	Hexane	ND	6.7	4.0	ug/kg	
98-82-8	Isopropylbenzene	ND	6.7	2.7	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.7	2.7	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	33	13	ug/kg	
126-98-7	Methacrylonitrile	ND	33	13	ug/kg	
74-83-9	Methyl bromide	ND	6.7	2.7	ug/kg	
74-87-3	Methyl chloride	ND	6.7	2.7	ug/kg	
74-88-4	Methyl iodide	ND	13	2.7	ug/kg	
80-62-6	Methyl methacrylate	ND	33	6.7	ug/kg	
74-95-3	Methylene bromide	ND	6.7	2.7	ug/kg	
75-09-2	Methylene chloride	ND	13	6.7	ug/kg	
78-93-3	Methyl ethyl ketone	ND	33	13	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.7	2.7	ug/kg	
91-20-3	Naphthalene	ND	6.7	2.7	ug/kg	
76-01-7	Pentachloroethane	ND	33	6.7	ug/kg	
107-12-0	Propionitrile	ND	67	13	ug/kg	
103-65-1	n-Propylbenzene	ND	6.7	2.7	ug/kg	
100-42-5	Styrene	ND	6.7	2.7	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.7	2.7	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.7	2.7	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.7	2.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.7	2.7	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.7	2.7	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.7	3.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.7	2.7	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-66 13		
Lab Sample ID:	F49416-2	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	77.4
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	6.7	4.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.7	2.7	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.7	2.7	ug/kg	
108-88-3	Toluene	ND	6.7	2.7	ug/kg	
79-01-6	Trichloroethylene	ND	6.7	2.7	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.7	2.7	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	33	13	ug/kg	
75-01-4	Vinyl chloride	ND	6.7	2.7	ug/kg	
108-05-4	Vinyl Acetate	ND	33	13	ug/kg	
	m,p-Xylene	ND	13	4.0	ug/kg	
95-47-6	o-Xylene	ND	6.7	2.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-121%
2037-26-5	Toluene-D8	95%		71-130%
460-00-4	4-Bromofluorobenzene	105%		59-148%
17060-07-0	1,2-Dichloroethane-D4	82%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-66 13		
Lab Sample ID:	F49416-2	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	77.4
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U002230.D	1	05/24/07	NJ	05/22/07	OP20683	SU112
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	1100	430	ug/kg	
95-57-8	2-Chlorophenol	ND	210	43	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	210	43	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	210	43	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	210	43	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1100	430	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	430	86	ug/kg	
95-48-7	2-Methylphenol	ND	210	43	ug/kg	
	3&4-Methylphenol	ND	210	43	ug/kg	
88-75-5	2-Nitrophenol	ND	210	43	ug/kg	
100-02-7	4-Nitrophenol	ND	1100	430	ug/kg	
87-86-5	Pentachlorophenol	ND	1100	430	ug/kg	
108-95-2	Phenol	ND	210	43	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	210	43	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	210	43	ug/kg	
83-32-9	Acenaphthene	ND	210	43	ug/kg	
208-96-8	Acenaphthylene	ND	210	43	ug/kg	
120-12-7	Anthracene	ND	210	43	ug/kg	
92-87-5	Benzidine	ND	2100	1100	ug/kg	
56-55-3	Benzo(a)anthracene	ND	210	43	ug/kg	
50-32-8	Benzo(a)pyrene	ND	210	43	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	210	43	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	210	86	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	210	43	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	210	43	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	430	110	ug/kg	
100-51-6	Benzyl Alcohol	ND	210	43	ug/kg	
91-58-7	2-Chloronaphthalene	ND	210	43	ug/kg	
106-47-8	4-Chloroaniline	ND	430	170	ug/kg	
218-01-9	Chrysene	ND	210	43	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	210	43	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	210	86	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-66 13		
Lab Sample ID:	F49416-2	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	77.4
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	210	43	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	210	43	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	210	43	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	210	43	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	210	43	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	210	86	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	210	86	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	430	210	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	210	86	ug/kg	
132-64-9	Dibenzofuran	ND	210	43	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	430	110	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	430	210	ug/kg	
84-66-2	Diethyl phthalate	ND	430	110	ug/kg	
131-11-3	Dimethyl phthalate	ND	430	110	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	430	210	ug/kg	
206-44-0	Fluoranthene	ND	210	43	ug/kg	
86-73-7	Fluorene	ND	210	43	ug/kg	
118-74-1	Hexachlorobenzene	ND	210	43	ug/kg	
87-68-3	Hexachlorobutadiene	ND	210	86	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	210	86	ug/kg	
67-72-1	Hexachloroethane	ND	210	86	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	210	86	ug/kg	
78-59-1	Isophorone	ND	210	43	ug/kg	
91-57-6	2-Methylnaphthalene	ND	210	43	ug/kg	
88-74-4	2-Nitroaniline	ND	430	110	ug/kg	
99-09-2	3-Nitroaniline	ND	430	110	ug/kg	
100-01-6	4-Nitroaniline	ND	430	150	ug/kg	
91-20-3	Naphthalene	ND	210	43	ug/kg	
98-95-3	Nitrobenzene	ND	210	43	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	210	86	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	210	43	ug/kg	
85-01-8	Phenanthrene	ND	210	43	ug/kg	
129-00-0	Pyrene	ND	210	86	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	210	43	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	62%		40-102%
4165-62-2	Phenol-d5	64%		41-100%
118-79-6	2,4,6-Tribromophenol	70%		42-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-66 13		
Lab Sample ID:	F49416-2	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	77.4
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	60%		40-105%
321-60-8	2-Fluorobiphenyl	60%		43-107%
1718-51-0	Terphenyl-d14	72%		45-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-66 13		
Lab Sample ID:	F49416-2	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	77.4
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD077069.D	1	05/16/07	MM	05/10/07 11:35	n/a	GCD3194
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.71 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	8.3	4.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	86%		56-136%
98-08-8	aaa-Trifluorotoluene	89%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-66 13		
Lab Sample ID:	F49416-2	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	77.4
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02497.D	1	05/23/07	MG	05/22/07	OP20690	GYY97
Run #2							

	Initial Weight	Final Volume
Run #1	29.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	11	6.5	mg/kg	
	TPH (> C22-C36)	ND	11	6.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	75%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-66 13		
Lab Sample ID:	F49416-2	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
		Percent Solids:	77.4
Project:	HOLMN		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	1.3	0.51	0.25	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Barium	89.8	13	0.32	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Cadmium	0.44	0.25	0.063	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Chromium	8.5	0.63	0.057	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Lead	2.6 J	6.3	0.13	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.0093 J	0.10	0.0083	mg/kg	1	05/14/07	05/14/07	MS	SW846 7471A [1]	SW846 7471A [3]
Selenium	0.13 U	6.3	0.13	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Silver	0.057 U	0.63	0.057	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA5709
(2) Instrument QC Batch: MA5725
(3) Prep QC Batch: MP11969
(4) Prep QC Batch: MP12021

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-DP-65 11		
Lab Sample ID:	F49416-3	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.7
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F021390.D	1	05/21/07	WJ	05/10/07 11:35	n/a	VF366
Run #2							

	Initial Weight
Run #1	4.80 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	65	32	ug/kg	
75-05-8	Acetonitrile	ND	65	45	ug/kg	
107-02-8	Acrolein	ND	32	19	ug/kg	
107-13-1	Acrylonitrile	ND	32	16	ug/kg	
107-05-1	Allyl chloride	ND	32	6.5	ug/kg	
71-43-2	Benzene	ND	6.5	2.6	ug/kg	
100-44-7	Benzyl Chloride	ND	6.5	3.9	ug/kg	
108-86-1	Bromobenzene	ND	6.5	2.6	ug/kg	
74-97-5	Bromochloromethane	ND	6.5	2.6	ug/kg	
75-27-4	Bromodichloromethane	ND	6.5	2.6	ug/kg	
75-25-2	Bromoform	ND	6.5	2.6	ug/kg	
104-51-8	n-Butylbenzene	ND	6.5	3.9	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.5	2.6	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.5	2.6	ug/kg	
108-90-7	Chlorobenzene	ND	6.5	2.6	ug/kg	
75-00-3	Chloroethane	ND	6.5	3.9	ug/kg	
67-66-3	Chloroform	ND	6.5	2.6	ug/kg	
544-10-5	1-Chlorohexane	ND	6.5	2.6	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.5	2.6	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.5	2.6	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	32	16	ug/kg	
75-15-0	Carbon disulfide	ND	6.5	2.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.5	2.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.5	2.6	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.5	2.6	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.5	2.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.5	3.9	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.5	2.6	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.5	2.6	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.5	2.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.5	2.6	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.5	2.6	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-65 11		
Lab Sample ID:	F49416-3	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.7
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	6.5	2.6	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.5	3.9	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.5	2.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.5	2.6	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	32	6.5	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.5	2.6	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.5	2.6	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.5	2.6	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.5	2.6	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.5	2.6	ug/kg	
100-41-4	Ethylbenzene	ND	6.5	2.6	ug/kg	
97-63-2	Ethyl methacrylate	ND	32	6.5	ug/kg	
76-13-1	Freon 113	ND	6.5	2.6	ug/kg	
591-78-6	2-Hexanone	ND	32	13	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.5	2.6	ug/kg	
110-54-3	Hexane	ND	6.5	3.9	ug/kg	
98-82-8	Isopropylbenzene	ND	6.5	2.6	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.5	2.6	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	32	13	ug/kg	
126-98-7	Methacrylonitrile	ND	32	13	ug/kg	
74-83-9	Methyl bromide	ND	6.5	2.6	ug/kg	
74-87-3	Methyl chloride	ND	6.5	2.6	ug/kg	
74-88-4	Methyl iodide	ND	13	2.6	ug/kg	
80-62-6	Methyl methacrylate	ND	32	6.5	ug/kg	
74-95-3	Methylene bromide	ND	6.5	2.6	ug/kg	
75-09-2	Methylene chloride	ND	13	6.5	ug/kg	
78-93-3	Methyl ethyl ketone	ND	32	13	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.5	2.6	ug/kg	
91-20-3	Naphthalene	ND	6.5	2.6	ug/kg	
76-01-7	Pentachloroethane	ND	32	6.5	ug/kg	
107-12-0	Propionitrile	ND	65	13	ug/kg	
103-65-1	n-Propylbenzene	ND	6.5	2.6	ug/kg	
100-42-5	Styrene	ND	6.5	2.6	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.5	2.6	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.5	2.6	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.5	2.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.5	2.6	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.5	2.6	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.5	3.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.5	2.6	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-65 11		
Lab Sample ID:	F49416-3	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.7
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	6.5	3.9	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.5	2.6	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.5	2.6	ug/kg	
108-88-3	Toluene	ND	6.5	2.6	ug/kg	
79-01-6	Trichloroethylene	ND	6.5	2.6	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.5	2.6	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	32	13	ug/kg	
75-01-4	Vinyl chloride	ND	6.5	2.6	ug/kg	
108-05-4	Vinyl Acetate	ND	32	13	ug/kg	
	m,p-Xylene	ND	13	3.9	ug/kg	
95-47-6	o-Xylene	ND	6.5	2.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-121%
2037-26-5	Toluene-D8	98%		71-130%
460-00-4	4-Bromofluorobenzene	101%		59-148%
17060-07-0	1,2-Dichloroethane-D4	90%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-65 11		
Lab Sample ID:	F49416-3	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	80.7
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U002231.D	1	05/24/07	NJ	05/22/07	OP20683	SU112
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	1000	400	ug/kg	
95-57-8	2-Chlorophenol	ND	200	40	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	200	40	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	200	40	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	200	40	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1000	400	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	400	81	ug/kg	
95-48-7	2-Methylphenol	ND	200	40	ug/kg	
	3&4-Methylphenol	ND	200	40	ug/kg	
88-75-5	2-Nitrophenol	ND	200	40	ug/kg	
100-02-7	4-Nitrophenol	ND	1000	400	ug/kg	
87-86-5	Pentachlorophenol	ND	1000	400	ug/kg	
108-95-2	Phenol	ND	200	40	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	40	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	40	ug/kg	
83-32-9	Acenaphthene	ND	200	40	ug/kg	
208-96-8	Acenaphthylene	ND	200	40	ug/kg	
120-12-7	Anthracene	ND	200	40	ug/kg	
92-87-5	Benzidine	ND	2000	1000	ug/kg	
56-55-3	Benzo(a)anthracene	ND	200	40	ug/kg	
50-32-8	Benzo(a)pyrene	ND	200	40	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	200	40	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	200	81	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	200	40	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	200	40	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	400	100	ug/kg	
100-51-6	Benzyl Alcohol	ND	200	40	ug/kg	
91-58-7	2-Chloronaphthalene	ND	200	40	ug/kg	
106-47-8	4-Chloroaniline	ND	400	160	ug/kg	
218-01-9	Chrysene	ND	200	40	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	200	40	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	200	81	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-65 11		
Lab Sample ID:	F49416-3	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	80.7
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	200	40	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	200	40	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	200	40	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	200	40	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	200	40	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	200	81	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	200	81	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	400	200	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	200	81	ug/kg	
132-64-9	Dibenzofuran	ND	200	40	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	400	100	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	400	200	ug/kg	
84-66-2	Diethyl phthalate	ND	400	100	ug/kg	
131-11-3	Dimethyl phthalate	ND	400	100	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	400	200	ug/kg	
206-44-0	Fluoranthene	ND	200	40	ug/kg	
86-73-7	Fluorene	ND	200	40	ug/kg	
118-74-1	Hexachlorobenzene	ND	200	40	ug/kg	
87-68-3	Hexachlorobutadiene	ND	200	81	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	200	81	ug/kg	
67-72-1	Hexachloroethane	ND	200	81	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	200	81	ug/kg	
78-59-1	Isophorone	ND	200	40	ug/kg	
91-57-6	2-Methylnaphthalene	ND	200	40	ug/kg	
88-74-4	2-Nitroaniline	ND	400	100	ug/kg	
99-09-2	3-Nitroaniline	ND	400	100	ug/kg	
100-01-6	4-Nitroaniline	ND	400	140	ug/kg	
91-20-3	Naphthalene	ND	200	40	ug/kg	
98-95-3	Nitrobenzene	ND	200	40	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	200	81	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	40	ug/kg	
85-01-8	Phenanthrene	ND	200	40	ug/kg	
129-00-0	Pyrene	ND	200	81	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	200	40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	75%		40-102%
4165-62-2	Phenol-d5	76%		41-100%
118-79-6	2,4,6-Tribromophenol	83%		42-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-65 11		
Lab Sample ID:	F49416-3	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	80.7
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	73%		40-105%
321-60-8	2-Fluorobiphenyl	73%		43-107%
1718-51-0	Terphenyl-d14	85%		45-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-65 11		
Lab Sample ID:	F49416-3	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	80.7
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD077075.D	1	05/16/07	MM	05/10/07 11:35	n/a	GCD3195
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.01 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.4	3.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	79%		56-136%
98-08-8	aaa-Trifluorotoluene	81%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-65 11		
Lab Sample ID:	F49416-3	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	80.7
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02498.D	1	05/23/07	MG	05/22/07	OP20690	GYY97
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.2	mg/kg	
	TPH (> C22-C36)	ND	10	6.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	75%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-65 11		
Lab Sample ID:	F49416-3	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
		Percent Solids:	80.7
Project:	HOLMN		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.68	0.50	0.24	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Barium	31.8	12	0.31	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Cadmium	0.11 J	0.25	0.062	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Chromium	3.2	0.62	0.056	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Lead	0.57 J	6.2	0.12	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.0071 U	0.089	0.0071	mg/kg	1	05/14/07	05/14/07	MS	SW846 7471A [1]	SW846 7471A [3]
Selenium	0.12 U	6.2	0.12	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Silver	0.056 U	0.62	0.056	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA5709
(2) Instrument QC Batch: MA5725
(3) Prep QC Batch: MP11969
(4) Prep QC Batch: MP12021

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-DP-65 19		
Lab Sample ID:	F49416-4	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	76.6
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F021413.D	1	05/22/07	WJ	05/10/07 11:35	n/a	VF367
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.28 g	5.0 ml	100 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3900	1900	ug/kg	
75-05-8	Acetonitrile	ND	3900	2700	ug/kg	
107-02-8	Acrolein	ND	1900	1200	ug/kg	
107-13-1	Acrylonitrile	ND	1900	960	ug/kg	
107-05-1	Allyl chloride	ND	1900	390	ug/kg	
71-43-2	Benzene	ND	390	150	ug/kg	
100-44-7	Benzyl Chloride	ND	390	230	ug/kg	
108-86-1	Bromobenzene	ND	390	150	ug/kg	
74-97-5	Bromochloromethane	ND	390	150	ug/kg	
75-27-4	Bromodichloromethane	ND	390	150	ug/kg	
75-25-2	Bromoform	ND	390	150	ug/kg	
104-51-8	n-Butylbenzene	ND	390	230	ug/kg	
135-98-8	sec-Butylbenzene	ND	390	150	ug/kg	
98-06-6	tert-Butylbenzene	ND	390	150	ug/kg	
108-90-7	Chlorobenzene	ND	390	150	ug/kg	
75-00-3	Chloroethane	ND	390	230	ug/kg	
67-66-3	Chloroform	ND	390	150	ug/kg	
544-10-5	1-Chlorohexane	ND	390	150	ug/kg	
95-49-8	o-Chlorotoluene	ND	390	150	ug/kg	
106-43-4	p-Chlorotoluene	ND	390	150	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1900	960	ug/kg	
75-15-0	Carbon disulfide	ND	390	150	ug/kg	
56-23-5	Carbon tetrachloride	ND	390	150	ug/kg	
75-34-3	1,1-Dichloroethane	ND	390	150	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	390	150	ug/kg	
563-58-6	1,1-Dichloropropene	ND	390	150	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	390	230	ug/kg	
106-93-4	1,2-Dibromoethane	ND	390	150	ug/kg	
107-06-2	1,2-Dichloroethane	ND	390	150	ug/kg	
78-87-5	1,2-Dichloropropane	ND	390	150	ug/kg	
142-28-9	1,3-Dichloropropane	ND	390	150	ug/kg	
594-20-7	2,2-Dichloropropane	ND	390	150	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-65 19		
Lab Sample ID:	F49416-4	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	76.6
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	390	150	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	390	230	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	390	150	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	390	150	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	1900	390	ug/kg	
541-73-1	m-Dichlorobenzene	688	390	150	ug/kg	
95-50-1	o-Dichlorobenzene	1320	390	150	ug/kg	
106-46-7	p-Dichlorobenzene	753	390	150	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	390	150	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	390	150	ug/kg	
100-41-4	Ethylbenzene	ND	390	150	ug/kg	
97-63-2	Ethyl methacrylate	ND	1900	390	ug/kg	
76-13-1	Freon 113	ND	390	150	ug/kg	
591-78-6	2-Hexanone	ND	1900	770	ug/kg	
87-68-3	Hexachlorobutadiene	ND	390	150	ug/kg	
110-54-3	Hexane	ND	390	230	ug/kg	
98-82-8	Isopropylbenzene	ND	390	150	ug/kg	
99-87-6	p-Isopropyltoluene	ND	390	150	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1900	770	ug/kg	
126-98-7	Methacrylonitrile	ND	1900	770	ug/kg	
74-83-9	Methyl bromide	ND	390	150	ug/kg	
74-87-3	Methyl chloride	ND	390	150	ug/kg	
74-88-4	Methyl iodide	ND	770	150	ug/kg	
80-62-6	Methyl methacrylate	ND	1900	390	ug/kg	
74-95-3	Methylene bromide	ND	390	150	ug/kg	
75-09-2	Methylene chloride	ND	770	390	ug/kg	
78-93-3	Methyl ethyl ketone	ND	1900	770	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	390	150	ug/kg	
91-20-3	Naphthalene	ND	390	150	ug/kg	
76-01-7	Pentachloroethane	ND	1900	390	ug/kg	
107-12-0	Propionitrile	ND	3900	770	ug/kg	
103-65-1	n-Propylbenzene	ND	390	150	ug/kg	
100-42-5	Styrene	ND	390	150	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	390	150	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	390	150	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	390	150	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	390	150	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	390	150	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	390	190	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	390	150	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-65 19		
Lab Sample ID:	F49416-4	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	76.6
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	390	230	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	390	150	ug/kg	
127-18-4	Tetrachloroethylene	ND	390	150	ug/kg	
108-88-3	Toluene	ND	390	150	ug/kg	
79-01-6	Trichloroethylene	ND	390	150	ug/kg	
75-69-4	Trichlorofluoromethane	ND	390	150	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	1900	770	ug/kg	
75-01-4	Vinyl chloride	ND	390	150	ug/kg	
108-05-4	Vinyl Acetate	ND	1900	770	ug/kg	
	m,p-Xylene	ND	770	230	ug/kg	
95-47-6	o-Xylene	ND	390	150	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-121%
2037-26-5	Toluene-D8	96%		71-130%
460-00-4	4-Bromofluorobenzene	103%		59-148%
17060-07-0	1,2-Dichloroethane-D4	88%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-65 19		
Lab Sample ID:	F49416-4	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	76.6
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U002232.D	1	05/24/07	NJ	05/22/07	OP20683	SU112
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	1100	440	ug/kg	
95-57-8	2-Chlorophenol	ND	220	44	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	220	44	ug/kg	
120-83-2	2,4-Dichlorophenol	69.2	220	44	ug/kg	J
105-67-9	2,4-Dimethylphenol	ND	220	44	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1100	440	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	440	87	ug/kg	
95-48-7	2-Methylphenol	ND	220	44	ug/kg	
	3&4-Methylphenol	ND	220	44	ug/kg	
88-75-5	2-Nitrophenol	ND	220	44	ug/kg	
100-02-7	4-Nitrophenol	ND	1100	440	ug/kg	
87-86-5	Pentachlorophenol	ND	1100	440	ug/kg	
108-95-2	Phenol	ND	220	44	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	220	44	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	220	44	ug/kg	
83-32-9	Acenaphthene	263	220	44	ug/kg	
208-96-8	Acenaphthylene	196	220	44	ug/kg	J
120-12-7	Anthracene	ND	220	44	ug/kg	
92-87-5	Benzidine	ND	2200	1100	ug/kg	
56-55-3	Benzo(a)anthracene	ND	220	44	ug/kg	
50-32-8	Benzo(a)pyrene	ND	220	44	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	220	44	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	220	87	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	220	44	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	220	44	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	440	110	ug/kg	
100-51-6	Benzyl Alcohol	ND	220	44	ug/kg	
91-58-7	2-Chloronaphthalene	ND	220	44	ug/kg	
106-47-8	4-Chloroaniline	ND	440	170	ug/kg	
218-01-9	Chrysene	ND	220	44	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	220	44	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	220	87	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-65 19		
Lab Sample ID:	F49416-4	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	76.6
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	220	44	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	220	44	ug/kg	
95-50-1	1,2-Dichlorobenzene	2010	220	44	ug/kg	
541-73-1	1,3-Dichlorobenzene	1110	220	44	ug/kg	
106-46-7	1,4-Dichlorobenzene	1140	220	44	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	220	87	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	220	87	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	440	220	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	220	87	ug/kg	
132-64-9	Dibenzofuran	713	220	44	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	440	110	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	440	220	ug/kg	
84-66-2	Diethyl phthalate	ND	440	110	ug/kg	
131-11-3	Dimethyl phthalate	ND	440	110	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	440	220	ug/kg	
206-44-0	Fluoranthene	ND	220	44	ug/kg	
86-73-7	Fluorene	469	220	44	ug/kg	
118-74-1	Hexachlorobenzene	ND	220	44	ug/kg	
87-68-3	Hexachlorobutadiene	ND	220	87	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	220	87	ug/kg	
67-72-1	Hexachloroethane	ND	220	87	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	220	87	ug/kg	
78-59-1	Isophorone	ND	220	44	ug/kg	
91-57-6	2-Methylnaphthalene	ND	220	44	ug/kg	
88-74-4	2-Nitroaniline	ND	440	110	ug/kg	
99-09-2	3-Nitroaniline	ND	440	110	ug/kg	
100-01-6	4-Nitroaniline	ND	440	150	ug/kg	
91-20-3	Naphthalene	ND	220	44	ug/kg	
98-95-3	Nitrobenzene	ND	220	44	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	220	87	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	220	44	ug/kg	
85-01-8	Phenanthrene	550	220	44	ug/kg	
129-00-0	Pyrene	ND	220	87	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	59.8	220	44	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	69%		40-102%
4165-62-2	Phenol-d5	72%		41-100%
118-79-6	2,4,6-Tribromophenol	77%		42-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-65 19		
Lab Sample ID:	F49416-4	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	76.6
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	67%		40-105%
321-60-8	2-Fluorobiphenyl	69%		43-107%
1718-51-0	Terphenyl-d14	75%		45-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-65 19		
Lab Sample ID:	F49416-4	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	76.6
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD077128.D	1	05/17/07	MM	05/10/07 11:35	n/a	GCD3196
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.96 g	5.0 ml	40.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	116	20	10	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	106%		56-136%
98-08-8	aaa-Trifluorotoluene	85%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-65 19		
Lab Sample ID:	F49416-4	**Date Sampled:**	05/08/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	76.6
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02521.D	5	05/24/07	MG	05/22/07	OP20690	GYY98
Run #2							

	Initial Weight	Final Volume
Run #1	29.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	327	56	33	mg/kg	
	TPH (> C22-C36)	33.7	56	33	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	92%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SS61-DP-65 19
Lab Sample ID: F49416-4
Matrix: SO - Soil
Project: HOLMN

Date Sampled: 05/08/07
Date Received: 05/10/07
Percent Solids: 76.6

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.40 J	0.51	0.25	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Barium	78.6	13	0.32	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Cadmium	0.21 J	0.25	0.063	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Chromium	5.3	0.63	0.057	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Lead	2.2 J	6.3	0.13	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.0085 J	0.11	0.0084	mg/kg	1	05/14/07	05/14/07	MS	SW846 7471A [1]	SW846 7471A [3]
Selenium	0.13 U	6.3	0.13	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Silver	0.057 U	0.63	0.057	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA5709
(2) Instrument QC Batch: MA5725
(3) Prep QC Batch: MP11969
(4) Prep QC Batch: MP12021

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-DP-67 17		
Lab Sample ID:	F49416-5	**Date Sampled:**	05/09/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	79.1
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F021408.D	1	05/22/07	WJ	05/10/07 11:35	n/a	VF367
Run #2							

	Initial Weight
Run #1	4.47 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	98.2	71	35	ug/kg	J
75-05-8	Acetonitrile	ND	71	49	ug/kg	
107-02-8	Acrolein	ND	35	21	ug/kg	
107-13-1	Acrylonitrile	ND	35	18	ug/kg	
107-05-1	Allyl chloride	ND	35	7.1	ug/kg	
71-43-2	Benzene	43.0	7.1	2.8	ug/kg	
100-44-7	Benzyl Chloride	ND	7.1	4.2	ug/kg	
108-86-1	Bromobenzene	ND	7.1	2.8	ug/kg	
74-97-5	Bromochloromethane	ND	7.1	2.8	ug/kg	
75-27-4	Bromodichloromethane	ND	7.1	2.8	ug/kg	
75-25-2	Bromoform	ND	7.1	2.8	ug/kg	
104-51-8	n-Butylbenzene	ND	7.1	4.2	ug/kg	
135-98-8	sec-Butylbenzene	ND	7.1	2.8	ug/kg	
98-06-6	tert-Butylbenzene	ND	7.1	2.8	ug/kg	
108-90-7	Chlorobenzene	ND	7.1	2.8	ug/kg	
75-00-3	Chloroethane	ND	7.1	4.2	ug/kg	
67-66-3	Chloroform	ND	7.1	2.8	ug/kg	
544-10-5	1-Chlorohexane	ND	7.1	2.8	ug/kg	
95-49-8	o-Chlorotoluene	ND	7.1	2.8	ug/kg	
106-43-4	p-Chlorotoluene	ND	7.1	2.8	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	35	18	ug/kg	
75-15-0	Carbon disulfide	ND	7.1	2.8	ug/kg	
56-23-5	Carbon tetrachloride	ND	7.1	2.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.1	2.8	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	7.1	2.8	ug/kg	
563-58-6	1,1-Dichloropropene	ND	7.1	2.8	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	7.1	4.2	ug/kg	
106-93-4	1,2-Dibromoethane	ND	7.1	2.8	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7.1	2.8	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.1	2.8	ug/kg	
142-28-9	1,3-Dichloropropane	ND	7.1	2.8	ug/kg	
594-20-7	2,2-Dichloropropane	ND	7.1	2.8	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SS61-DP-67 17
Lab Sample ID: F49416-5
Matrix: SO - Soil
Method: SW846 8260B SW846 5035
Project: HOLMN

Date Sampled: 05/09/07
Date Received: 05/10/07
Percent Solids: 79.1

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	7.1	2.8	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	7.1	4.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	7.1	2.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.1	2.8	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	35	7.1	ug/kg	
541-73-1	m-Dichlorobenzene	ND	7.1	2.8	ug/kg	
95-50-1	o-Dichlorobenzene	ND	7.1	2.8	ug/kg	
106-46-7	p-Dichlorobenzene	ND	7.1	2.8	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	7.1	2.8	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	7.1	2.8	ug/kg	
100-41-4	Ethylbenzene	5.4	7.1	2.8	ug/kg	J
97-63-2	Ethyl methacrylate	ND	35	7.1	ug/kg	
76-13-1	Freon 113	ND	7.1	2.8	ug/kg	
591-78-6	2-Hexanone	ND	35	14	ug/kg	
87-68-3	Hexachlorobutadiene	ND	7.1	2.8	ug/kg	
110-54-3	Hexane	ND	7.1	4.2	ug/kg	
98-82-8	Isopropylbenzene [a]	34.2	7.1	2.8	ug/kg	J
99-87-6	p-Isopropyltoluene	ND	7.1	2.8	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	35	14	ug/kg	
126-98-7	Methacrylonitrile	ND	35	14	ug/kg	
74-83-9	Methyl bromide	ND	7.1	2.8	ug/kg	
74-87-3	Methyl chloride	ND	7.1	2.8	ug/kg	
74-88-4	Methyl iodide	ND	14	2.8	ug/kg	
80-62-6	Methyl methacrylate	ND	35	7.1	ug/kg	
74-95-3	Methylene bromide	ND	7.1	2.8	ug/kg	
75-09-2	Methylene chloride	ND	14	7.1	ug/kg	
78-93-3	Methyl ethyl ketone	14.8	35	14	ug/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	7.1	2.8	ug/kg	
91-20-3	Naphthalene	3.3	7.1	2.8	ug/kg	J
76-01-7	Pentachloroethane	ND	35	7.1	ug/kg	
107-12-0	Propionitrile	ND	71	14	ug/kg	
103-65-1	n-Propylbenzene	ND	7.1	2.8	ug/kg	
100-42-5	Styrene	ND	7.1	2.8	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	7.1	2.8	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.1	2.8	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.1	2.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	7.1	2.8	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	7.1	2.8	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	7.1	3.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	7.1	2.8	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-67 17		
Lab Sample ID:	F49416-5	**Date Sampled:**	05/09/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	79.1
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	7.1	4.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	7.1	2.8	ug/kg	
127-18-4	Tetrachloroethylene	ND	7.1	2.8	ug/kg	
108-88-3	Toluene	ND	7.1	2.8	ug/kg	
79-01-6	Trichloroethylene	ND	7.1	2.8	ug/kg	
75-69-4	Trichlorofluoromethane	ND	7.1	2.8	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	35	14	ug/kg	
75-01-4	Vinyl chloride	ND	7.1	2.8	ug/kg	
108-05-4	Vinyl Acetate	ND	35	14	ug/kg	
	m,p-Xylene	ND	14	4.2	ug/kg	
95-47-6	o-Xylene	ND	7.1	2.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-121%
2037-26-5	Toluene-D8	94%		71-130%
460-00-4	4-Bromofluorobenzene	100%		59-148%
17060-07-0	1,2-Dichloroethane-D4	106%		77-123%

(a) CCV outside of control limits; results may be biased high.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-67 17		
Lab Sample ID:	F49416-5	**Date Sampled:**	05/09/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	79.1
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U002239.D	1	05/24/07	NJ	05/22/07	OP20683	SU112
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	1000	410	ug/kg	
95-57-8	2-Chlorophenol	ND	210	41	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	210	41	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	210	41	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	210	41	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1000	410	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	410	82	ug/kg	
95-48-7	2-Methylphenol	ND	210	41	ug/kg	
	3&4-Methylphenol	ND	210	41	ug/kg	
88-75-5	2-Nitrophenol	ND	210	41	ug/kg	
100-02-7	4-Nitrophenol	ND	1000	410	ug/kg	
87-86-5	Pentachlorophenol	ND	1000	410	ug/kg	
108-95-2	Phenol	ND	210	41	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	210	41	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	210	41	ug/kg	
83-32-9	Acenaphthene	ND	210	41	ug/kg	
208-96-8	Acenaphthylene	ND	210	41	ug/kg	
120-12-7	Anthracene	ND	210	41	ug/kg	
92-87-5	Benzidine	ND	2100	1000	ug/kg	
56-55-3	Benzo(a)anthracene	ND	210	41	ug/kg	
50-32-8	Benzo(a)pyrene	ND	210	41	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	210	41	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	210	82	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	210	41	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	210	41	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	410	100	ug/kg	
100-51-6	Benzyl Alcohol	ND	210	41	ug/kg	
91-58-7	2-Chloronaphthalene	ND	210	41	ug/kg	
106-47-8	4-Chloroaniline	ND	410	160	ug/kg	
218-01-9	Chrysene	ND	210	41	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	210	41	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	210	82	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-67 17		
Lab Sample ID:	F49416-5	**Date Sampled:**	05/09/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	79.1
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	210	41	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	210	41	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	210	41	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	210	41	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	210	41	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	210	82	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	210	82	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	410	210	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	210	82	ug/kg	
132-64-9	Dibenzofuran	ND	210	41	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	410	100	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	410	210	ug/kg	
84-66-2	Diethyl phthalate	ND	410	100	ug/kg	
131-11-3	Dimethyl phthalate	ND	410	100	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	410	210	ug/kg	
206-44-0	Fluoranthene	ND	210	41	ug/kg	
86-73-7	Fluorene	ND	210	41	ug/kg	
118-74-1	Hexachlorobenzene	ND	210	41	ug/kg	
87-68-3	Hexachlorobutadiene	ND	210	82	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	210	82	ug/kg	
67-72-1	Hexachloroethane	ND	210	82	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	210	82	ug/kg	
78-59-1	Isophorone	ND	210	41	ug/kg	
91-57-6	2-Methylnaphthalene	ND	210	41	ug/kg	
88-74-4	2-Nitroaniline	ND	410	100	ug/kg	
99-09-2	3-Nitroaniline	ND	410	100	ug/kg	
100-01-6	4-Nitroaniline	ND	410	140	ug/kg	
91-20-3	Naphthalene	ND	210	41	ug/kg	
98-95-3	Nitrobenzene	ND	210	41	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	210	82	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	210	41	ug/kg	
85-01-8	Phenanthrene	ND	210	41	ug/kg	
129-00-0	Pyrene	ND	210	82	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	210	41	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	79%		40-102%
4165-62-2	Phenol-d5	81%		41-100%
118-79-6	2,4,6-Tribromophenol	89%		42-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-67 17		
Lab Sample ID:	F49416-5	**Date Sampled:**	05/09/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	79.1
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	77%		40-105%
321-60-8	2-Fluorobiphenyl	75%		43-107%
1718-51-0	Terphenyl-d14	86%		45-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-67 17		
Lab Sample ID:	F49416-5	**Date Sampled:**	05/09/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	79.1
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD077104.D	1	05/17/07	MM	05/10/07 11:35	n/a	GCD3197
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.47 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.1	3.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	100%		56-136%
98-08-8	aaa-Trifluorotoluene	82%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-67 17		
Lab Sample ID:	F49416-5	**Date Sampled:**	05/09/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	79.1
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02500.D	1	05/23/07	MG	05/22/07	OP20690	GYY97
Run #2							

	Initial Weight	Final Volume
Run #1	29.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	11	6.3	mg/kg	
	TPH (> C22-C36)	ND	11	6.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	79%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SS61-DP-67 17
Lab Sample ID: F49416-5
Matrix: SO - Soil
Project: HOLMN

Date Sampled: 05/09/07
Date Received: 05/10/07
Percent Solids: 79.1

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.57	0.51	0.25	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Barium	83.8	13	0.32	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Cadmium	0.27	0.25	0.063	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Chromium	5.6	0.63	0.057	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Lead	2.5 J	6.3	0.13	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.0079 U	0.099	0.0079	mg/kg	1	05/14/07	05/14/07	MS	SW846 7471A [1]	SW846 7471A [3]
Selenium	0.13 U	6.3	0.13	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Silver	0.057 U	0.63	0.057	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA5709
(2) Instrument QC Batch: MA5725
(3) Prep QC Batch: MP11969
(4) Prep QC Batch: MP12021

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-DP-67a 17		
Lab Sample ID:	F49416-6	**Date Sampled:**	05/09/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	76.0
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F021409.D	1	05/22/07	WJ	05/10/07 11:35	n/a	VF367
Run #2							

	Initial Weight
Run #1	5.47 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	42.8	60	30	ug/kg	J
75-05-8	Acetonitrile	ND	60	42	ug/kg	
107-02-8	Acrolein	ND	30	18	ug/kg	
107-13-1	Acrylonitrile	ND	30	15	ug/kg	
107-05-1	Allyl chloride	ND	30	6.0	ug/kg	
71-43-2	Benzene	72.2	6.0	2.4	ug/kg	
100-44-7	Benzyl Chloride	ND	6.0	3.6	ug/kg	
108-86-1	Bromobenzene	ND	6.0	2.4	ug/kg	
74-97-5	Bromochloromethane	ND	6.0	2.4	ug/kg	
75-27-4	Bromodichloromethane	ND	6.0	2.4	ug/kg	
75-25-2	Bromoform	ND	6.0	2.4	ug/kg	
104-51-8	n-Butylbenzene	ND	6.0	3.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.0	2.4	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.0	2.4	ug/kg	
108-90-7	Chlorobenzene	ND	6.0	2.4	ug/kg	
75-00-3	Chloroethane	ND	6.0	3.6	ug/kg	
67-66-3	Chloroform	ND	6.0	2.4	ug/kg	
544-10-5	1-Chlorohexane	ND	6.0	2.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.0	2.4	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.0	2.4	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	30	15	ug/kg	
75-15-0	Carbon disulfide	ND	6.0	2.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.0	2.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.0	2.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.0	2.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.0	2.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.0	3.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.0	2.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.0	2.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.0	2.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.0	2.4	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.0	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-67a 17		
Lab Sample ID:	F49416-6	**Date Sampled:**	05/09/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	76.0
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	6.0	2.4	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.0	3.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.0	2.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.0	2.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	30	6.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.0	2.4	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.0	2.4	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.0	2.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.0	2.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.0	2.4	ug/kg	
100-41-4	Ethylbenzene	10.3	6.0	2.4	ug/kg	
97-63-2	Ethyl methacrylate	ND	30	6.0	ug/kg	
76-13-1	Freon 113	ND	6.0	2.4	ug/kg	
591-78-6	2-Hexanone	ND	30	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.0	2.4	ug/kg	
110-54-3	Hexane	ND	6.0	3.6	ug/kg	
98-82-8	Isopropylbenzene [a]	55.1	6.0	2.4	ug/kg	J
99-87-6	p-Isopropyltoluene	ND	6.0	2.4	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	30	12	ug/kg	
126-98-7	Methacrylonitrile	ND	30	12	ug/kg	
74-83-9	Methyl bromide	ND	6.0	2.4	ug/kg	
74-87-3	Methyl chloride	ND	6.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	12	2.4	ug/kg	
80-62-6	Methyl methacrylate	ND	30	6.0	ug/kg	
74-95-3	Methylene bromide	ND	6.0	2.4	ug/kg	
75-09-2	Methylene chloride	ND	12	6.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	30	12	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.0	2.4	ug/kg	
91-20-3	Naphthalene	ND	6.0	2.4	ug/kg	
76-01-7	Pentachloroethane	ND	30	6.0	ug/kg	
107-12-0	Propionitrile	ND	60	12	ug/kg	
103-65-1	n-Propylbenzene	ND	6.0	2.4	ug/kg	
100-42-5	Styrene	ND	6.0	2.4	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.0	2.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.0	2.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.0	2.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.0	2.4	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.0	2.4	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.0	3.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.0	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-67a 17		
Lab Sample ID:	F49416-6	**Date Sampled:**	05/09/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	76.0
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	6.0	3.6	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.0	2.4	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.0	2.4	ug/kg	
108-88-3	Toluene	ND	6.0	2.4	ug/kg	
79-01-6	Trichloroethylene	ND	6.0	2.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.0	2.4	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	30	12	ug/kg	
75-01-4	Vinyl chloride	ND	6.0	2.4	ug/kg	
108-05-4	Vinyl Acetate	ND	30	12	ug/kg	
	m,p-Xylene	ND	12	3.6	ug/kg	
95-47-6	o-Xylene	ND	6.0	2.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-121%
2037-26-5	Toluene-D8	99%		71-130%
460-00-4	4-Bromofluorobenzene	103%		59-148%
17060-07-0	1,2-Dichloroethane-D4	112%		77-123%

(a) CCV outside of control limits; results may be biased high.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-67a 17		
Lab Sample ID:	F49416-6	**Date Sampled:**	05/09/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	76.0
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U002240.D	1	05/24/07	NJ	05/22/07	OP20683	SU112
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	1100	430	ug/kg	
95-57-8	2-Chlorophenol	ND	210	43	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	210	43	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	210	43	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	210	43	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1100	430	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	430	86	ug/kg	
95-48-7	2-Methylphenol	ND	210	43	ug/kg	
	3&4-Methylphenol	ND	210	43	ug/kg	
88-75-5	2-Nitrophenol	ND	210	43	ug/kg	
100-02-7	4-Nitrophenol	ND	1100	430	ug/kg	
87-86-5	Pentachlorophenol	ND	1100	430	ug/kg	
108-95-2	Phenol	ND	210	43	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	210	43	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	210	43	ug/kg	
83-32-9	Acenaphthene	ND	210	43	ug/kg	
208-96-8	Acenaphthylene	ND	210	43	ug/kg	
120-12-7	Anthracene	ND	210	43	ug/kg	
92-87-5	Benzidine	ND	2100	1100	ug/kg	
56-55-3	Benzo(a)anthracene	ND	210	43	ug/kg	
50-32-8	Benzo(a)pyrene	ND	210	43	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	210	43	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	210	86	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	210	43	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	210	43	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	430	110	ug/kg	
100-51-6	Benzyl Alcohol	ND	210	43	ug/kg	
91-58-7	2-Chloronaphthalene	ND	210	43	ug/kg	
106-47-8	4-Chloroaniline	ND	430	170	ug/kg	
218-01-9	Chrysene	ND	210	43	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	210	43	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	210	86	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-67a 17		
Lab Sample ID:	F49416-6	**Date Sampled:**	05/09/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	76.0
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	210	43	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	210	43	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	210	43	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	210	43	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	210	43	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	210	86	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	210	86	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	430	210	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	210	86	ug/kg	
132-64-9	Dibenzofuran	ND	210	43	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	430	110	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	430	210	ug/kg	
84-66-2	Diethyl phthalate	ND	430	110	ug/kg	
131-11-3	Dimethyl phthalate	ND	430	110	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	430	210	ug/kg	
206-44-0	Fluoranthene	ND	210	43	ug/kg	
86-73-7	Fluorene	ND	210	43	ug/kg	
118-74-1	Hexachlorobenzene	ND	210	43	ug/kg	
87-68-3	Hexachlorobutadiene	ND	210	86	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	210	86	ug/kg	
67-72-1	Hexachloroethane	ND	210	86	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	210	86	ug/kg	
78-59-1	Isophorone	ND	210	43	ug/kg	
91-57-6	2-Methylnaphthalene	ND	210	43	ug/kg	
88-74-4	2-Nitroaniline	ND	430	110	ug/kg	
99-09-2	3-Nitroaniline	ND	430	110	ug/kg	
100-01-6	4-Nitroaniline	ND	430	150	ug/kg	
91-20-3	Naphthalene	ND	210	43	ug/kg	
98-95-3	Nitrobenzene	ND	210	43	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	210	86	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	210	43	ug/kg	
85-01-8	Phenanthrene	ND	210	43	ug/kg	
129-00-0	Pyrene	ND	210	86	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	210	43	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	67%		40-102%
4165-62-2	Phenol-d5	67%		41-100%
118-79-6	2,4,6-Tribromophenol	70%		42-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-67a 17		
Lab Sample ID:	F49416-6	**Date Sampled:**	05/09/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	76.0
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	65%		40-105%
321-60-8	2-Fluorobiphenyl	62%		43-107%
1718-51-0	Terphenyl-d14	69%		45-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-67a 17		
Lab Sample ID:	F49416-6	**Date Sampled:**	05/09/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	76.0
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD077105.D	1	05/17/07	MM	05/10/07 11:35	n/a	GCD3197
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.24 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.9	3.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%		56-136%
98-08-8	aaa-Trifluorotoluene	85%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-67a 17		
Lab Sample ID:	F49416-6	**Date Sampled:**	05/09/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	76.0
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02509.D	1	05/23/07	MG	05/22/07	OP20690	GYY97
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	11	6.5	mg/kg	
	TPH (> C22-C36)	ND	11	6.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	74%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SS61-DP-67a 17
Lab Sample ID: F49416-6
Matrix: SO - Soil
Project: HOLMN

Date Sampled: 05/09/07
Date Received: 05/10/07
Percent Solids: 76.0

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.69	0.51	0.25	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Barium	83.9	13	0.32	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Cadmium	0.31	0.26	0.064	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Chromium	5.6	0.64	0.057	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Lead	2.9 J	6.4	0.13	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.0088 U	0.11	0.0088	mg/kg	1	05/14/07	05/14/07	MS	SW846 7471A [1]	SW846 7471A [3]
Selenium	0.13 U	6.4	0.13	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Silver	0.057 U	0.64	0.057	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA5709
(2) Instrument QC Batch: MA5725
(3) Prep QC Batch: MP11969
(4) Prep QC Batch: MP12021

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-DP-68 19		
Lab Sample ID:	F49416-7	**Date Sampled:**	05/09/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.1
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F021410.D	1	05/22/07	WJ	05/10/07 12:25	n/a	VF367
Run #2	F021435.D	1	05/23/07	WJ	05/10/07 12:25	n/a	VF368

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.99 g		
Run #2	5.64 g	5.0 ml	100 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	39.3	52	26	ug/kg	J
75-05-8	Acetonitrile	ND	52	36	ug/kg	
107-02-8	Acrolein	ND	26	16	ug/kg	
107-13-1	Acrylonitrile	ND	26	13	ug/kg	
107-05-1	Allyl chloride	ND	26	5.2	ug/kg	
71-43-2	Benzene	680 [b]	340	140	ug/kg	
100-44-7	Benzyl Chloride	ND	5.2	3.1	ug/kg	
108-86-1	Bromobenzene	ND	5.2	2.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.2	2.1	ug/kg	
75-27-4	Bromodichloromethane	ND	5.2	2.1	ug/kg	
75-25-2	Bromoform	ND	5.2	2.1	ug/kg	
104-51-8	n-Butylbenzene	ND	5.2	3.1	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.2	2.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.2	2.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.2	2.1	ug/kg	
75-00-3	Chloroethane	ND	5.2	3.1	ug/kg	
67-66-3	Chloroform	ND	5.2	2.1	ug/kg	
544-10-5	1-Chlorohexane	ND	5.2	2.1	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.2	2.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.2	2.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	26	13	ug/kg	
75-15-0	Carbon disulfide	ND	5.2	2.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.2	2.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.2	2.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.2	2.1	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.2	2.1	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.2	3.1	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.2	2.1	ug/kg	
107-06-2	1,2-Dichloroethane	3.6	5.2	2.1	ug/kg	J
78-87-5	1,2-Dichloropropane	ND	5.2	2.1	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.2	2.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.2	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-68 19		
Lab Sample ID:	F49416-7	**Date Sampled:**	05/09/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.1
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.2	2.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.2	3.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.2	2.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.2	2.1	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	26	5.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.2	2.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.2	2.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.2	2.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.2	2.1	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.2	2.1	ug/kg	
100-41-4	Ethylbenzene	82.2	5.2	2.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	26	5.2	ug/kg	
76-13-1	Freon 113	ND	5.2	2.1	ug/kg	
591-78-6	2-Hexanone	ND	26	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.2	2.1	ug/kg	
110-54-3	Hexane	ND	5.2	3.1	ug/kg	
98-82-8	Isopropylbenzene	131	5.2	2.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.2	2.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	26	10	ug/kg	
126-98-7	Methacrylonitrile	ND	26	10	ug/kg	
74-83-9	Methyl bromide	ND	5.2	2.1	ug/kg	
74-87-3	Methyl chloride	ND	5.2	2.1	ug/kg	
74-88-4	Methyl iodide	ND	10	2.1	ug/kg	
80-62-6	Methyl methacrylate	ND	26	5.2	ug/kg	
74-95-3	Methylene bromide	ND	5.2	2.1	ug/kg	
75-09-2	Methylene chloride	ND	10	5.2	ug/kg	
78-93-3	Methyl ethyl ketone	ND	26	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.2	2.1	ug/kg	
91-20-3	Naphthalene	ND	5.2	2.1	ug/kg	
76-01-7	Pentachloroethane	ND	26	5.2	ug/kg	
107-12-0	Propionitrile	ND	52	10	ug/kg	
103-65-1	n-Propylbenzene	5.6	5.2	2.1	ug/kg	
100-42-5	Styrene	ND	5.2	2.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.2	2.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.2	2.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.2	2.1	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.2	2.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.2	2.1	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.2	2.6	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.2	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-68 19		
Lab Sample ID:	F49416-7	**Date Sampled:**	05/09/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.1
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.2	3.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.2	2.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.2	2.1	ug/kg	
108-88-3	Toluene	ND	5.2	2.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.2	2.1	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.2	2.1	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	26	10	ug/kg	
75-01-4	Vinyl chloride	ND	5.2	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	26	10	ug/kg	
	m,p-Xylene	ND	10	3.1	ug/kg	
95-47-6	o-Xylene	ND	5.2	2.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%	102%	80-121%
2037-26-5	Toluene-D8	98%	101%	71-130%
460-00-4	4-Bromofluorobenzene	96%	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	121%	103%	77-123%

(a) CCV outside of control limits; results may be biased high.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-68 19		
Lab Sample ID:	F49416-7	**Date Sampled:**	05/09/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	80.1
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U002241.D	1	05/24/07	NJ	05/22/07	OP20683	SU112
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	1000	410	ug/kg	
95-57-8	2-Chlorophenol	ND	200	41	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	200	41	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	200	41	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	200	41	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1000	410	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	410	82	ug/kg	
95-48-7	2-Methylphenol	ND	200	41	ug/kg	
	3&4-Methylphenol	ND	200	41	ug/kg	
88-75-5	2-Nitrophenol	ND	200	41	ug/kg	
100-02-7	4-Nitrophenol	ND	1000	410	ug/kg	
87-86-5	Pentachlorophenol	ND	1000	410	ug/kg	
108-95-2	Phenol	ND	200	41	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	41	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	41	ug/kg	
83-32-9	Acenaphthene	ND	200	41	ug/kg	
208-96-8	Acenaphthylene	ND	200	41	ug/kg	
120-12-7	Anthracene	ND	200	41	ug/kg	
92-87-5	Benzidine	ND	2000	1000	ug/kg	
56-55-3	Benzo(a)anthracene	ND	200	41	ug/kg	
50-32-8	Benzo(a)pyrene	ND	200	41	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	200	41	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	200	82	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	200	41	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	200	41	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	410	100	ug/kg	
100-51-6	Benzyl Alcohol	ND	200	41	ug/kg	
91-58-7	2-Chloronaphthalene	ND	200	41	ug/kg	
106-47-8	4-Chloroaniline	ND	410	160	ug/kg	
218-01-9	Chrysene	ND	200	41	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	200	41	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	200	82	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-68 19		
Lab Sample ID:	F49416-7	**Date Sampled:**	05/09/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	80.1
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	200	41	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	200	41	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	200	41	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	200	41	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	200	41	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	200	82	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	200	82	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	410	200	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	200	82	ug/kg	
132-64-9	Dibenzofuran	ND	200	41	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	410	100	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	410	200	ug/kg	
84-66-2	Diethyl phthalate	ND	410	100	ug/kg	
131-11-3	Dimethyl phthalate	ND	410	100	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	410	200	ug/kg	
206-44-0	Fluoranthene	ND	200	41	ug/kg	
86-73-7	Fluorene	ND	200	41	ug/kg	
118-74-1	Hexachlorobenzene	ND	200	41	ug/kg	
87-68-3	Hexachlorobutadiene	ND	200	82	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	200	82	ug/kg	
67-72-1	Hexachloroethane	ND	200	82	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	200	82	ug/kg	
78-59-1	Isophorone	ND	200	41	ug/kg	
91-57-6	2-Methylnaphthalene	ND	200	41	ug/kg	
88-74-4	2-Nitroaniline	ND	410	100	ug/kg	
99-09-2	3-Nitroaniline	ND	410	100	ug/kg	
100-01-6	4-Nitroaniline	ND	410	140	ug/kg	
91-20-3	Naphthalene	ND	200	41	ug/kg	
98-95-3	Nitrobenzene	ND	200	41	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	200	82	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	41	ug/kg	
85-01-8	Phenanthrene	ND	200	41	ug/kg	
129-00-0	Pyrene	ND	200	82	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	200	41	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	73%		40-102%
4165-62-2	Phenol-d5	73%		41-100%
118-79-6	2,4,6-Tribromophenol	79%		42-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-68 19		
Lab Sample ID:	F49416-7	**Date Sampled:**	05/09/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	80.1
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	71%		40-105%
321-60-8	2-Fluorobiphenyl	69%		43-107%
1718-51-0	Terphenyl-d14	79%		45-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-68 19		
Lab Sample ID:	F49416-7	**Date Sampled:**	05/09/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	80.1
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD077079.D	1	05/17/07	MM	05/10/07 12:25	n/a	GCD3195
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.64 g	5.0 ml	3.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	230	110	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	80%		56-136%
98-08-8	aaa-Trifluorotoluene	83%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-68 19		
Lab Sample ID:	F49416-7	**Date Sampled:**	05/09/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	80.1
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02510.D	1	05/23/07	MG	05/22/07	OP20690	GYY97
Run #2							

	Initial Weight	Final Volume
Run #1	29.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	11	6.4	mg/kg	
	TPH (> C22-C36)	ND	11	6.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SS61-DP-68 19
Lab Sample ID: F49416-7
Matrix: SO - Soil
Project: HOLMN

Date Sampled: 05/09/07
Date Received: 05/10/07
Percent Solids: 80.1

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.49	0.48	0.23	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Barium	60.3	12	0.30	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Cadmium	0.20 J	0.24	0.059	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Chromium	5.1	0.59	0.054	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Lead	1.8 J	5.9	0.12	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.0079 U	0.099	0.0079	mg/kg	1	05/14/07	05/14/07	MS	SW846 7471A [1]	SW846 7471A [3]
Selenium	0.12 U	5.9	0.12	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Silver	0.054 U	0.59	0.054	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA5709
(2) Instrument QC Batch: MA5725
(3) Prep QC Batch: MP11969
(4) Prep QC Batch: MP12021

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-DP-69 15		
Lab Sample ID:	F49416-8	**Date Sampled:**	05/09/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.9
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F021411.D	1	05/22/07	WJ	05/10/07 12:25	n/a	VF367
Run #2							

	Initial Weight
Run #1	5.36 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	50.9	57	28	ug/kg	J
75-05-8	Acetonitrile	ND	57	40	ug/kg	
107-02-8	Acrolein	ND	28	17	ug/kg	
107-13-1	Acrylonitrile	ND	28	14	ug/kg	
107-05-1	Allyl chloride	ND	28	5.7	ug/kg	
71-43-2	Benzene	ND	5.7	2.3	ug/kg	
100-44-7	Benzyl Chloride	ND	5.7	3.4	ug/kg	
108-86-1	Bromobenzene	ND	5.7	2.3	ug/kg	
74-97-5	Bromochloromethane	ND	5.7	2.3	ug/kg	
75-27-4	Bromodichloromethane	ND	5.7	2.3	ug/kg	
75-25-2	Bromoform	ND	5.7	2.3	ug/kg	
104-51-8	n-Butylbenzene	ND	5.7	3.4	ug/kg	
135-98-8	sec-Butylbenzene	3.5	5.7	2.3	ug/kg	J
98-06-6	tert-Butylbenzene	ND	5.7	2.3	ug/kg	
108-90-7	Chlorobenzene	ND	5.7	2.3	ug/kg	
75-00-3	Chloroethane	ND	5.7	3.4	ug/kg	
67-66-3	Chloroform	ND	5.7	2.3	ug/kg	
544-10-5	1-Chlorohexane	ND	5.7	2.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.7	2.3	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.7	2.3	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	28	14	ug/kg	
75-15-0	Carbon disulfide [a]	9.8	5.7	2.3	ug/kg	J
56-23-5	Carbon tetrachloride	ND	5.7	2.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.7	2.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.7	2.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.7	2.3	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.7	3.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.7	2.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.7	2.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.7	2.3	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.7	2.3	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.7	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-69 15		
Lab Sample ID:	F49416-8	**Date Sampled:**	05/09/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.9
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.7	2.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.7	3.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.7	2.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.7	2.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	28	5.7	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.7	2.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.7	2.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.7	2.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.7	2.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.7	2.3	ug/kg	
100-41-4	Ethylbenzene	ND	5.7	2.3	ug/kg	
97-63-2	Ethyl methacrylate	ND	28	5.7	ug/kg	
76-13-1	Freon 113	ND	5.7	2.3	ug/kg	
591-78-6	2-Hexanone	ND	28	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.7	2.3	ug/kg	
110-54-3	Hexane	ND	5.7	3.4	ug/kg	
98-82-8	Isopropylbenzene [a]	5.8	5.7	2.3	ug/kg	J
99-87-6	p-Isopropyltoluene	ND	5.7	2.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	28	11	ug/kg	
126-98-7	Methacrylonitrile	ND	28	11	ug/kg	
74-83-9	Methyl bromide	ND	5.7	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.7	2.3	ug/kg	
74-88-4	Methyl iodide	ND	11	2.3	ug/kg	
80-62-6	Methyl methacrylate	ND	28	5.7	ug/kg	
74-95-3	Methylene bromide	ND	5.7	2.3	ug/kg	
75-09-2	Methylene chloride	ND	11	5.7	ug/kg	
78-93-3	Methyl ethyl ketone	ND	28	11	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.7	2.3	ug/kg	
91-20-3	Naphthalene	ND	5.7	2.3	ug/kg	
76-01-7	Pentachloroethane	ND	28	5.7	ug/kg	
107-12-0	Propionitrile	ND	57	11	ug/kg	
103-65-1	n-Propylbenzene	ND	5.7	2.3	ug/kg	
100-42-5	Styrene	ND	5.7	2.3	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.7	2.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.7	2.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.7	2.3	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.7	2.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.7	2.3	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.7	2.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.7	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-69 15		
Lab Sample ID:	F49416-8	**Date Sampled:**	05/09/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.9
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.7	3.4	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.7	2.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.7	2.3	ug/kg	
108-88-3	Toluene	ND	5.7	2.3	ug/kg	
79-01-6	Trichloroethylene	ND	5.7	2.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.7	2.3	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	28	11	ug/kg	
75-01-4	Vinyl chloride	ND	5.7	2.3	ug/kg	
108-05-4	Vinyl Acetate	ND	28	11	ug/kg	
	m,p-Xylene	ND	11	3.4	ug/kg	
95-47-6	o-Xylene	ND	5.7	2.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-121%
2037-26-5	Toluene-D8	95%		71-130%
460-00-4	4-Bromofluorobenzene	95%		59-148%
17060-07-0	1,2-Dichloroethane-D4	117%		77-123%

(a) CCV outside of control limits; results may be biased high.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-69 15		
Lab Sample ID:	F49416-8	**Date Sampled:**	05/09/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	81.9
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U002242.D	1	05/24/07	NJ	05/22/07	OP20683	SU112
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	1000	400	ug/kg	
95-57-8	2-Chlorophenol	ND	200	40	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	200	40	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	200	40	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	200	40	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1000	400	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	400	81	ug/kg	
95-48-7	2-Methylphenol	ND	200	40	ug/kg	
	3&4-Methylphenol	ND	200	40	ug/kg	
88-75-5	2-Nitrophenol	ND	200	40	ug/kg	
100-02-7	4-Nitrophenol	ND	1000	400	ug/kg	
87-86-5	Pentachlorophenol	ND	1000	400	ug/kg	
108-95-2	Phenol	ND	200	40	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	40	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	40	ug/kg	
83-32-9	Acenaphthene	ND	200	40	ug/kg	
208-96-8	Acenaphthylene	ND	200	40	ug/kg	
120-12-7	Anthracene	ND	200	40	ug/kg	
92-87-5	Benzidine	ND	2000	1000	ug/kg	
56-55-3	Benzo(a)anthracene	ND	200	40	ug/kg	
50-32-8	Benzo(a)pyrene	ND	200	40	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	200	40	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	200	81	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	200	40	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	200	40	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	400	100	ug/kg	
100-51-6	Benzyl Alcohol	ND	200	40	ug/kg	
91-58-7	2-Chloronaphthalene	ND	200	40	ug/kg	
106-47-8	4-Chloroaniline	ND	400	160	ug/kg	
218-01-9	Chrysene	ND	200	40	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	200	40	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	200	81	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-69 15		
Lab Sample ID:	F49416-8	**Date Sampled:**	05/09/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	81.9
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	200	40	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	200	40	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	200	40	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	200	40	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	200	40	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	200	81	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	200	81	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	400	200	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	200	81	ug/kg	
132-64-9	Dibenzofuran	ND	200	40	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	400	100	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	400	200	ug/kg	
84-66-2	Diethyl phthalate	ND	400	100	ug/kg	
131-11-3	Dimethyl phthalate	ND	400	100	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	400	200	ug/kg	
206-44-0	Fluoranthene	ND	200	40	ug/kg	
86-73-7	Fluorene	ND	200	40	ug/kg	
118-74-1	Hexachlorobenzene	ND	200	40	ug/kg	
87-68-3	Hexachlorobutadiene	ND	200	81	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	200	81	ug/kg	
67-72-1	Hexachloroethane	ND	200	81	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	200	81	ug/kg	
78-59-1	Isophorone	ND	200	40	ug/kg	
91-57-6	2-Methylnaphthalene	ND	200	40	ug/kg	
88-74-4	2-Nitroaniline	ND	400	100	ug/kg	
99-09-2	3-Nitroaniline	ND	400	100	ug/kg	
100-01-6	4-Nitroaniline	ND	400	140	ug/kg	
91-20-3	Naphthalene	ND	200	40	ug/kg	
98-95-3	Nitrobenzene	ND	200	40	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	200	81	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	40	ug/kg	
85-01-8	Phenanthrene	ND	200	40	ug/kg	
129-00-0	Pyrene	ND	200	81	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	200	40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	79%		40-102%
4165-62-2	Phenol-d5	79%		41-100%
118-79-6	2,4,6-Tribromophenol	85%		42-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-69 15		
Lab Sample ID:	F49416-8	**Date Sampled:**	05/09/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	81.9
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	75%		40-105%
321-60-8	2-Fluorobiphenyl	72%		43-107%
1718-51-0	Terphenyl-d14	82%		45-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-69 15		
Lab Sample ID:	F49416-8	**Date Sampled:**	05/09/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	81.9
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD077080.D	1	05/17/07	MM	05/10/07 12:25	n/a	GCD3195
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.42 g	5.0 ml	10.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	90.1	67	34	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	82%		56-136%
98-08-8	aaa-Trifluorotoluene	83%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-69 15		
Lab Sample ID:	F49416-8	**Date Sampled:**	05/09/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	81.9
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02511.D	1	05/23/07	MG	05/22/07	OP20690	GYY97
Run #2							

	Initial Weight	Final Volume
Run #1	29.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.2	mg/kg	
	TPH (> C22-C36)	ND	10	6.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	76%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SS61-DP-69 15
Lab Sample ID: F49416-8
Matrix: SO - Soil
Project: HOLMN

Date Sampled: 05/09/07
Date Received: 05/10/07
Percent Solids: 81.9

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.67	0.49	0.24	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Barium	70.5	12	0.31	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Cadmium	0.24	0.24	0.061	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Chromium	6.0	0.61	0.055	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Lead	1.7 J	6.1	0.12	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.0079 U	0.098	0.0079	mg/kg	1	05/14/07	05/14/07	MS	SW846 7471A [1]	SW846 7471A [3]
Selenium	0.12 U	6.1	0.12	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Silver	0.055 U	0.61	0.055	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA5709
(2) Instrument QC Batch: MA5725
(3) Prep QC Batch: MP11969
(4) Prep QC Batch: MP12021

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-DP-69a 15		
Lab Sample ID:	F49416-9	**Date Sampled:**	05/09/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	78.9
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F021412.D	1	05/22/07	WJ	05/10/07 12:25	n/a	VF367
Run #2							

	Initial Weight
Run #1	5.42 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	43.0	58	29	ug/kg	J
75-05-8	Acetonitrile	ND	58	41	ug/kg	
107-02-8	Acrolein	ND	29	18	ug/kg	
107-13-1	Acrylonitrile	ND	29	15	ug/kg	
107-05-1	Allyl chloride	ND	29	5.8	ug/kg	
71-43-2	Benzene	ND	5.8	2.3	ug/kg	
100-44-7	Benzyl Chloride	ND	5.8	3.5	ug/kg	
108-86-1	Bromobenzene	ND	5.8	2.3	ug/kg	
74-97-5	Bromochloromethane	ND	5.8	2.3	ug/kg	
75-27-4	Bromodichloromethane	ND	5.8	2.3	ug/kg	
75-25-2	Bromoform	ND	5.8	2.3	ug/kg	
104-51-8	n-Butylbenzene	ND	5.8	3.5	ug/kg	
135-98-8	sec-Butylbenzene	12.8	5.8	2.3	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.8	2.3	ug/kg	
108-90-7	Chlorobenzene	ND	5.8	2.3	ug/kg	
75-00-3	Chloroethane	ND	5.8	3.5	ug/kg	
67-66-3	Chloroform	ND	5.8	2.3	ug/kg	
544-10-5	1-Chlorohexane	ND	5.8	2.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.8	2.3	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.8	2.3	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	29	15	ug/kg	
75-15-0	Carbon disulfide [a]	5.3	5.8	2.3	ug/kg	J
56-23-5	Carbon tetrachloride	ND	5.8	2.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.8	2.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.8	2.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.8	2.3	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.8	3.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.8	2.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.8	2.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.8	2.3	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.8	2.3	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.8	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SS61-DP-69a 15
Lab Sample ID: F49416-9
Matrix: SO - Soil
Method: SW846 8260B SW846 5035
Project: HOLMN

Date Sampled: 05/09/07
Date Received: 05/10/07
Percent Solids: 78.9

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.8	2.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.8	3.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.8	2.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.8	2.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	29	5.8	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.8	2.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.8	2.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.8	2.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.8	2.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.8	2.3	ug/kg	
100-41-4	Ethylbenzene	ND	5.8	2.3	ug/kg	
97-63-2	Ethyl methacrylate	ND	29	5.8	ug/kg	
76-13-1	Freon 113	ND	5.8	2.3	ug/kg	
591-78-6	2-Hexanone	ND	29	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.8	2.3	ug/kg	
110-54-3	Hexane	ND	5.8	3.5	ug/kg	
98-82-8	Isopropylbenzene [a]	43.9	5.8	2.3	ug/kg	J
99-87-6	p-Isopropyltoluene	ND	5.8	2.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	29	12	ug/kg	
126-98-7	Methacrylonitrile	ND	29	12	ug/kg	
74-83-9	Methyl bromide	ND	5.8	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.8	2.3	ug/kg	
74-88-4	Methyl iodide	ND	12	2.3	ug/kg	
80-62-6	Methyl methacrylate	ND	29	5.8	ug/kg	
74-95-3	Methylene bromide	ND	5.8	2.3	ug/kg	
75-09-2	Methylene chloride	ND	12	5.8	ug/kg	
78-93-3	Methyl ethyl ketone	ND	29	12	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.8	2.3	ug/kg	
91-20-3	Naphthalene	ND	5.8	2.3	ug/kg	
76-01-7	Pentachloroethane	ND	29	5.8	ug/kg	
107-12-0	Propionitrile	ND	58	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.8	2.3	ug/kg	
100-42-5	Styrene	ND	5.8	2.3	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.8	2.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.8	2.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.8	2.3	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.8	2.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.8	2.3	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.8	2.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.8	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-69a 15		
Lab Sample ID:	F49416-9	**Date Sampled:**	05/09/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	78.9
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.8	3.5	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.8	2.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.8	2.3	ug/kg	
108-88-3	Toluene	ND	5.8	2.3	ug/kg	
79-01-6	Trichloroethylene	ND	5.8	2.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.8	2.3	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	29	12	ug/kg	
75-01-4	Vinyl chloride	ND	5.8	2.3	ug/kg	
108-05-4	Vinyl Acetate	ND	29	12	ug/kg	
	m,p-Xylene	ND	12	3.5	ug/kg	
95-47-6	o-Xylene	ND	5.8	2.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-121%
2037-26-5	Toluene-D8	96%		71-130%
460-00-4	4-Bromofluorobenzene	97%		59-148%
17060-07-0	1,2-Dichloroethane-D4	108%		77-123%

(a) CCV outside of control limits; results may be biased high.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-69a 15		
Lab Sample ID:	F49416-9	**Date Sampled:**	05/09/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	78.9
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U002243.D	1	05/24/07	NJ	05/22/07	OP20683	SU112
Run #2							

	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	1000	410	ug/kg	
95-57-8	2-Chlorophenol	ND	210	41	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	210	41	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	210	41	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	210	41	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1000	410	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	410	82	ug/kg	
95-48-7	2-Methylphenol	ND	210	41	ug/kg	
	3&4-Methylphenol	ND	210	41	ug/kg	
88-75-5	2-Nitrophenol	ND	210	41	ug/kg	
100-02-7	4-Nitrophenol	ND	1000	410	ug/kg	
87-86-5	Pentachlorophenol	ND	1000	410	ug/kg	
108-95-2	Phenol	ND	210	41	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	210	41	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	210	41	ug/kg	
83-32-9	Acenaphthene	ND	210	41	ug/kg	
208-96-8	Acenaphthylene	ND	210	41	ug/kg	
120-12-7	Anthracene	ND	210	41	ug/kg	
92-87-5	Benzidine	ND	2100	1000	ug/kg	
56-55-3	Benzo(a)anthracene	ND	210	41	ug/kg	
50-32-8	Benzo(a)pyrene	ND	210	41	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	210	41	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	210	82	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	210	41	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	210	41	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	410	100	ug/kg	
100-51-6	Benzyl Alcohol	ND	210	41	ug/kg	
91-58-7	2-Chloronaphthalene	ND	210	41	ug/kg	
106-47-8	4-Chloroaniline	ND	410	160	ug/kg	
218-01-9	Chrysene	ND	210	41	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	210	41	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	210	82	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-69a 15		
Lab Sample ID:	F49416-9	**Date Sampled:**	05/09/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	78.9
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	210	41	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	210	41	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	210	41	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	210	41	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	210	41	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	210	82	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	210	82	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	410	210	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	210	82	ug/kg	
132-64-9	Dibenzofuran	ND	210	41	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	410	100	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	410	210	ug/kg	
84-66-2	Diethyl phthalate	ND	410	100	ug/kg	
131-11-3	Dimethyl phthalate	ND	410	100	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	410	210	ug/kg	
206-44-0	Fluoranthene	ND	210	41	ug/kg	
86-73-7	Fluorene	ND	210	41	ug/kg	
118-74-1	Hexachlorobenzene	ND	210	41	ug/kg	
87-68-3	Hexachlorobutadiene	ND	210	82	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	210	82	ug/kg	
67-72-1	Hexachloroethane	ND	210	82	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	210	82	ug/kg	
78-59-1	Isophorone	ND	210	41	ug/kg	
91-57-6	2-Methylnaphthalene	ND	210	41	ug/kg	
88-74-4	2-Nitroaniline	ND	410	100	ug/kg	
99-09-2	3-Nitroaniline	ND	410	100	ug/kg	
100-01-6	4-Nitroaniline	ND	410	140	ug/kg	
91-20-3	Naphthalene	ND	210	41	ug/kg	
98-95-3	Nitrobenzene	ND	210	41	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	210	82	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	210	41	ug/kg	
85-01-8	Phenanthrene	ND	210	41	ug/kg	
129-00-0	Pyrene	ND	210	82	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	210	41	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	67%		40-102%
4165-62-2	Phenol-d5	66%		41-100%
118-79-6	2,4,6-Tribromophenol	76%		42-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-69a 15		
Lab Sample ID:	F49416-9	**Date Sampled:**	05/09/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	78.9
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	65%		40-105%
321-60-8	2-Fluorobiphenyl	62%		43-107%
1718-51-0	Terphenyl-d14	77%		45-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-69a 15		
Lab Sample ID:	F49416-9	**Date Sampled:**	05/09/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	78.9
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD077081.D	1	05/17/07	MM	05/10/07 12:25	n/a	GCD3195
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.72 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	3.58	6.9	3.4	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	84%		56-136%
98-08-8	aaa-Trifluorotoluene	85%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP-69a 15		
Lab Sample ID:	F49416-9	**Date Sampled:**	05/09/07
Matrix:	SO - Soil	**Date Received:**	05/10/07
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	78.9
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02512.D	1	05/24/07	MG	05/22/07	OP20690	GYY97
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.3	mg/kg	
	TPH (> C22-C36)	ND	10	6.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	81%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SS61-DP-69a 15
Lab Sample ID: F49416-9
Matrix: SO - Soil
Project: HOLMN

Date Sampled: 05/09/07
Date Received: 05/10/07
Percent Solids: 78.9

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.74	0.50	0.24	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Barium	71.8	13	0.31	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Cadmium	0.29	0.25	0.063	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Chromium	8.3	0.63	0.056	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Lead	1.7 J	6.3	0.13	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.0079 U	0.099	0.0079	mg/kg	1	05/14/07	05/14/07	MS	SW846 7471A [1]	SW846 7471A [3]
Selenium	0.13 U	6.3	0.13	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]
Silver	0.056 U	0.63	0.056	mg/kg	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA5709
(2) Instrument QC Batch: MA5725
(3) Prep QC Batch: MP11969
(4) Prep QC Batch: MP12021

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-TRIP BLANK		
Lab Sample ID:	F49416-10	**Date Sampled:**	05/09/07
Matrix:	AQ - Trip Blank Soil	**Date Received:**	05/10/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J029832.D	1	05/21/07	SH	n/a	n/a	VJ2127
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
75-05-8	Acetonitrile	ND	20	10	ug/l	
107-02-8	Acrolein	ND	20	10	ug/l	
107-13-1	Acrylonitrile	ND	10	5.0	ug/l	
107-05-1	Allyl chloride	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
100-44-7	Benzyl Chloride	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	1.0	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TRIP BLANK		
Lab Sample ID:	F49416-10	**Date Sampled:**	05/09/07
Matrix:	AQ - Trip Blank Soil	**Date Received:**	05/10/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	2.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
110-54-3	Hexane	ND	2.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
126-98-7	Methacrylonitrile	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
74-88-4	Methyl iodide	ND	5.0	2.5	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	2.5	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	5.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TRIP BLANK		
Lab Sample ID:	F49416-10	**Date Sampled:**	05/09/07
Matrix:	AQ - Trip Blank Soil	**Date Received:**	05/10/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	10	5.0	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		87-116%
17060-07-0	1,2-Dichloroethane-D4	95%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	107%		84-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

F49416

Page: 1 of 1
Project No: 9050361.01.02
COC Number(1): DS-DG-2007-01
LIMS Number:

Chain of Custody and Analytical Request

Facility/Base I.D.: Holloman Air Force Base
Project/Site Name: SS-61 Voluntary Corrective Measures
Client Name: USACE
Collected by: J. Moore/C. McGriff/R. Currance/B. Wolfe

Sample Analysis Requested (5) | Quality Assurance Samples (6)

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code (2)	Sample Number (3)	Sample Matrix (4)	Number of Containers	VOC, 8260B	SVOC, 8270C	TPH, 8015M	RCRA Metals, 6010B, 7471A				Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
1	SS61-DP-66	0	08-May-2007	1640	20	N	/	SO	6	1	1	1	1							1
2	SS61-DP-66		08 May 2007	1610	13	N	/	SO	6	1	1	1	1							1
2	SS61-DP-66		08-May-2007	1610	13	MS	/	SO	6	1	1	1	1							1
2	SS61-DP-66		08-May-2007	1610	13	SD	/	SO	6	1	1	1	1							1
3	SS61-DP65		08-May-2007	1430	11	N	/	SO	6	1	1	1	1							1
4	SS61-DP65		08-May-2007	1445	19	N	/	SO	6	1	1	1	1							1
5	SS61-DP67		09-May-2007	0845	17	N	/	SO	6	1	1	1	1							2
6	SS61-DP67a		09-May-2007	0845	17	FD	-	SO	6	1	1	1	1							2
7	SS61-DP68		09-May-2007	1015	19	N	-	SO	6	1	1	1	1							2
8	SS61-DP69		09 May 2007	1100	15	N	-	SO	6	1	1	1	1							2
9	SS61-DP69a		09 May 2007	1100	15	FD	-	SO	6	1	1	1	1							2
10	SS61-TB-Blank		09 May 2007	/	/	TB	/	WQ	1	1										

COMMENTS:

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1.	[signature]	5/9/07	1500	Released to Fed Ex		
2.				George Corzo	5-10-07	09:00
3.						

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: _____ Shipped No.: _____
Method of Shipment: FedEx Airbill Number: _____
Analytical Lab: Accutest Delivery Location: Orlando, FL
Lab Recipient: _____ Delivery Date/Time: _____

1) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)
2) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)
3) Sample Number: Unique sample number collected from a particular location per day (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)
4) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SB = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks
5) Sample Analysis Requested: Analytical method requested and number of containers provided for each.
6) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

2.4, 2.6

F49416: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F49416 CLIENT: BHATE PROJECT: SS-61 Voluntary

DATE/TIME RECEIVED: 5-10-07 9:00 # OF COOLERS RECEIVED: 2 COOLER TEMPS: 2.4, 2.6

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8610 6219 0134

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [✓] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [✓] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [✓] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 44

NUMBER OF 5035 FIELD KITS ? Ø

NUMBER OR LAB FILTERED METALS ? Ø

SUMMARY OF COMMENTS: Received water tripblanks with soil samples.

Received 2 sets of 40 mL tripblank 1 per cooler

TECHNICIAN SIGNATURE/DATE Jmc 5-10-07 TECHNICIAN SIGNATURE/DATE Jc 5-10-07 ASBD 10/03/06

4.1 4

F49416: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2127-MB	J029822.D	1	05/21/07	SH	n/a	n/a	VJ2127

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49416-10

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
75-05-8	Acetonitrile	ND	20	10	ug/l	
107-02-8	Acrolein	ND	20	10	ug/l	
107-13-1	Acrylonitrile	ND	10	5.0	ug/l	
107-05-1	Allyl chloride	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
100-44-7	Benzyl Chloride	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	1.0	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	

Method Blank Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2127-MB	J029822.D	1	05/21/07	SH	n/a	n/a	VJ2127

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49416-10

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	2.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
110-54-3	Hexane	ND	2.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
126-98-7	Methacrylonitrile	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
74-88-4	Methyl iodide	ND	5.0	2.5	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	2.5	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	5.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.53	1.0	0.50	ug/l	J
96-18-4	1,2,3-Trichloropropane	ND	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

Method Blank Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2127-MB	J029822.D	1	05/21/07	SH	n/a	n/a	VJ2127

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49416-10

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	10	5.0	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	103%	76-127%
2037-26-5	Toluene-D8	96%	86-112%
460-00-4	4-Bromofluorobenzene	109%	84-120%

Method Blank Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF366-MB	F021376.D	1	05/21/07	WJ	n/a	n/a	VF366

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49416-1, F49416-2, F49416-3

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	35	ug/kg	
107-02-8	Acrolein	ND	25	15	ug/kg	
107-13-1	Acrylonitrile	ND	25	13	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	2.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	3.0	ug/kg	
108-86-1	Bromobenzene	ND	5.0	2.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	2.0	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	2.0	ug/kg	
75-25-2	Bromoform	ND	5.0	2.0	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	3.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	2.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	2.0	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	2.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	3.0	ug/kg	
67-66-3	Chloroform	ND	5.0	2.0	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	2.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	2.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	2.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	13	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	2.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	2.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	2.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	2.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	3.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	2.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	2.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	2.0	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	2.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	2.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	3.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	2.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF366-MB	F021376.D	1	05/21/07	WJ	n/a	n/a	VF366

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49416-1, F49416-2, F49416-3

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	2.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	2.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	2.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	2.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	2.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	2.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.0	ug/kg	
591-78-6	2-Hexanone	ND	25	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/kg	
110-54-3	Hexane	ND	5.0	3.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	2.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	2.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	10	ug/kg	
126-98-7	Methacrylonitrile	ND	25	10	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.0	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.0	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	2.0	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	2.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	10	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	2.0	ug/kg	
100-42-5	Styrene	ND	5.0	2.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	2.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	2.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	2.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF366-MB	F021376.D	1	05/21/07	WJ	n/a	n/a	VF366

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49416-1, F49416-2, F49416-3

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	3.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	2.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	2.0	ug/kg	
108-88-3	Toluene	ND	5.0	2.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	2.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	10	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	10	ug/kg	
	m,p-Xylene	ND	10	3.0	ug/kg	
95-47-6	o-Xylene	ND	5.0	2.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	99%	80-121%
2037-26-5	Toluene-D8	96%	71-130%
460-00-4	4-Bromofluorobenzene	102%	59-148%
17060-07-0	1,2-Dichloroethane-D4	84%	77-123%

Method Blank Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF367-MB	F021403.D	1	05/22/07	WJ	n/a	n/a	VF367

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49416-4, F49416-5, F49416-6, F49416-7, F49416-8, F49416-9

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	35	ug/kg	
107-02-8	Acrolein	ND	25	15	ug/kg	
107-13-1	Acrylonitrile	ND	25	13	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	2.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	3.0	ug/kg	
108-86-1	Bromobenzene	ND	5.0	2.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	2.0	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	2.0	ug/kg	
75-25-2	Bromoform	ND	5.0	2.0	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	3.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	2.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	2.0	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	2.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	3.0	ug/kg	
67-66-3	Chloroform	ND	5.0	2.0	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	2.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	2.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	2.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	13	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	2.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	2.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	2.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	2.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	3.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	2.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	2.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	2.0	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	2.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	2.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	3.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	2.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF367-MB	F021403.D	1	05/22/07	WJ	n/a	n/a	VF367

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49416-4, F49416-5, F49416-6, F49416-7, F49416-8, F49416-9

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	2.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	2.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	2.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	2.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	2.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	2.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.0	ug/kg	
591-78-6	2-Hexanone	ND	25	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/kg	
110-54-3	Hexane	ND	5.0	3.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	2.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	2.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	10	ug/kg	
126-98-7	Methacrylonitrile	ND	25	10	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.0	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.0	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	2.0	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	2.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	10	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	2.0	ug/kg	
100-42-5	Styrene	ND	5.0	2.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	2.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	2.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	2.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF367-MB	F021403.D	1	05/22/07	WJ	n/a	n/a	VF367

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49416-4, F49416-5, F49416-6, F49416-7, F49416-8, F49416-9

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	3.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	2.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	2.0	ug/kg	
108-88-3	Toluene	ND	5.0	2.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	2.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	10	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	10	ug/kg	
	m,p-Xylene	ND	10	3.0	ug/kg	
95-47-6	o-Xylene	ND	5.0	2.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	80-121%
2037-26-5	Toluene-D8	99%	71-130%
460-00-4	4-Bromofluorobenzene	102%	59-148%
17060-07-0	1,2-Dichloroethane-D4	96%	77-123%

Method Blank Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF368-MB	F021431.D	1	05/23/07	WJ	n/a	n/a	VF368

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49416-7

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	2.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	80-121%
2037-26-5	Toluene-D8	102%	71-130%
460-00-4	4-Bromofluorobenzene	100%	59-148%
17060-07-0	1,2-Dichloroethane-D4	102%	77-123%

Blank Spike Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2127-BS	J029821.D	1	05/21/07	SH	n/a	n/a	VJ2127

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49416-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	120	96	59-134
75-05-8	Acetonitrile	250	264	106	57-123
107-02-8	Acrolein	125	194	155	33-157
107-13-1	Acrylonitrile	125	129	103	62-124
107-05-1	Allyl chloride	25	26.7	107	48-136
71-43-2	Benzene	25	28.0	112	83-124
100-44-7	Benzyl Chloride	25	23.9	96	61-118
108-86-1	Bromobenzene	25	24.4	98	83-115
74-97-5	Bromochloromethane	25	23.8	95	78-112
75-27-4	Bromodichloromethane	25	26.3	105	76-116
75-25-2	Bromoform	25	22.7	91	68-128
104-51-8	n-Butylbenzene	25	27.7	111	84-124
135-98-8	sec-Butylbenzene	25	27.4	110	86-127
98-06-6	tert-Butylbenzene	25	27.4	110	83-126
108-90-7	Chlorobenzene	25	25.3	101	87-115
75-00-3	Chloroethane	25	35.6	142	54-166
67-66-3	Chloroform	25	28.4	114	85-123
544-10-5	1-Chlorohexane	25	29.2	117	87-128
95-49-8	o-Chlorotoluene	25	26.8	107	84-121
106-43-4	p-Chlorotoluene	25	26.9	108	84-120
110-75-8	2-Chloroethyl vinyl ether	125	106	85	63-125
75-15-0	Carbon disulfide	25	28.1	112	67-147
56-23-5	Carbon tetrachloride	25	27.9	112	74-139
75-34-3	1,1-Dichloroethane	25	28.3	113	82-127
75-35-4	1,1-Dichloroethylene	25	29.9	120	75-133
563-58-6	1,1-Dichloropropene	25	29.7	119	87-127
96-12-8	1,2-Dibromo-3-chloropropane	25	21.3	85	61-118
106-93-4	1,2-Dibromoethane	25	24.1	96	80-115
107-06-2	1,2-Dichloroethane	25	25.4	102	76-122
78-87-5	1,2-Dichloropropane	25	27.3	109	81-120
142-28-9	1,3-Dichloropropane	25	24.8	99	81-113
594-20-7	2,2-Dichloropropane	25	29.1	116	77-138
124-48-1	Dibromochloromethane	25	23.6	94	74-116
75-71-8	Dichlorodifluoromethane	25	43.2	173*	34-158
156-59-2	cis-1,2-Dichloroethylene	25	26.1	104	81-114
10061-01-5	cis-1,3-Dichloropropene	25	27.5	110	83-119

Blank Spike Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2127-BS	J029821.D	1	05/21/07	SH	n/a	n/a	VJ2127

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49416-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	25	24.2	97	41-130
541-73-1	m-Dichlorobenzene	25	24.7	99	86-115
95-50-1	o-Dichlorobenzene	25	24.4	98	85-115
106-46-7	p-Dichlorobenzene	25	24.4	98	87-113
156-60-5	trans-1,2-Dichloroethylene	25	27.6	110	82-126
10061-02-6	trans-1,3-Dichloropropene	25	27.7	111	87-123
100-41-4	Ethylbenzene	25	25.6	102	87-118
97-63-2	Ethyl methacrylate	25	24.1	96	68-110
76-13-1	Freon 113	25	29.7	119	74-139
591-78-6	2-Hexanone	125	119	95	58-125
87-68-3	Hexachlorobutadiene	25	23.1	92	71-133
110-54-3	Hexane	25	27.6	110	71-134
98-82-8	Isopropylbenzene	25	27.0	108	87-131
99-87-6	p-Isopropyltoluene	25	26.2	105	83-125
108-10-1	4-Methyl-2-pentanone	125	119	95	62-125
126-98-7	Methacrylonitrile	250	255	102	62-133
74-83-9	Methyl bromide	25	29.4	118	55-151
74-87-3	Methyl chloride	25	32.0	128	55-173
74-88-4	Methyl iodide	25	26.3	105	72-125
80-62-6	Methyl methacrylate	25	22.4	90	63-115
74-95-3	Methylene bromide	25	26.1	104	81-116
75-09-2	Methylene chloride	25	26.8	107	69-125
78-93-3	Methyl ethyl ketone	125	115	92	61-127
1634-04-4	Methyl Tert Butyl Ether	25	23.6	94	75-116
91-20-3	Naphthalene	25	19.9	80	59-125
76-01-7	Pentachloroethane	25	23.2	93	82-111
107-12-0	Propionitrile	250	252	101	69-119
103-65-1	n-Propylbenzene	25	27.7	111	86-125
100-42-5	Styrene	25	24.4	98	78-118
630-20-6	1,1,1,2-Tetrachloroethane	25	24.5	98	81-119
71-55-6	1,1,1-Trichloroethane	25	28.6	114	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	25.5	102	71-120
79-00-5	1,1,2-Trichloroethane	25	25.2	101	80-114
87-61-6	1,2,3-Trichlorobenzene	25	20.0	80	64-126
96-18-4	1,2,3-Trichloropropane	25	22.6	90	77-115
120-82-1	1,2,4-Trichlorobenzene	25	21.7	87	68-123

Blank Spike Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2127-BS	J029821.D	1	05/21/07	SH	n/a	n/a	VJ2127

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49416-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	25	25.7	103	82-120
108-67-8	1,3,5-Trimethylbenzene	25	26.2	105	83-123
127-18-4	Tetrachloroethylene	25	24.8	99	80-131
108-88-3	Toluene	25	25.7	103	86-116
79-01-6	Trichloroethylene	25	27.5	110	85-124
75-69-4	Trichlorofluoromethane	25	38.9	156	66-156
110-57-6	Trans-1,4-Dichloro-2-Butene	25	25.2	101	51-137
75-01-4	Vinyl chloride	25	32.7	131	57-153
108-05-4	Vinyl Acetate	125	133	106	38-159
	m,p-Xylene	50	52.3	105	86-121
95-47-6	o-Xylene	25	26.2	105	83-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	100%	76-127%
2037-26-5	Toluene-D8	97%	86-112%
460-00-4	4-Bromofluorobenzene	105%	84-120%

Blank Spike Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF366-BS	F021375.D	1	05/21/07	WJ	n/a	n/a	VF366

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49416-1, F49416-2, F49416-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	269	108	61-144
75-05-8	Acetonitrile	500	390	78	59-139
107-02-8	Acrolein	250	389	156	27-156
107-13-1	Acrylonitrile	250	225	90	55-144
107-05-1	Allyl chloride	50	42.6	85	41-152
71-43-2	Benzene	50	53.9	108	78-130
100-44-7	Benzyl Chloride	50	58.0	116	74-130
108-86-1	Bromobenzene	50	55.2	110	78-123
74-97-5	Bromochloromethane	50	55.4	111	72-122
75-27-4	Bromodichloromethane	50	46.7	93	73-122
75-25-2	Bromoform	50	55.8	112	70-139
104-51-8	n-Butylbenzene	50	55.4	111	80-138
135-98-8	sec-Butylbenzene	50	56.0	112	82-132
98-06-6	tert-Butylbenzene	50	49.7	99	79-130
108-90-7	Chlorobenzene	50	56.2	112	83-122
75-00-3	Chloroethane	50	42.4	85	61-153
67-66-3	Chloroform	50	50.9	102	79-129
544-10-5	1-Chlorohexane	50	61.7	123	85-137
95-49-8	o-Chlorotoluene	50	50.5	101	77-123
106-43-4	p-Chlorotoluene	50	51.3	103	78-129
110-75-8	2-Chloroethyl vinyl ether	250	200	80	52-142
75-15-0	Carbon disulfide	50	58.0	116	61-142
56-23-5	Carbon tetrachloride	50	55.4	111	79-135
75-34-3	1,1-Dichloroethane	50	50.8	102	77-132
75-35-4	1,1-Dichloroethylene	50	49.4	99	66-132
563-58-6	1,1-Dichloropropene	50	54.9	110	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	38.4	77	67-129
106-93-4	1,2-Dibromoethane	50	52.7	105	77-126
107-06-2	1,2-Dichloroethane	50	44.8	90	78-129
78-87-5	1,2-Dichloropropane	50	51.4	103	74-127
142-28-9	1,3-Dichloropropane	50	48.9	98	78-118
594-20-7	2,2-Dichloropropane	50	54.1	108	80-137
124-48-1	Dibromochloromethane	50	51.6	103	78-117
75-71-8	Dichlorodifluoromethane	50	75.3	151	35-162
156-59-2	cis-1,2-Dichloroethylene	50	55.0	110	74-123
10061-01-5	cis-1,3-Dichloropropene	50	52.5	105	79-130

Blank Spike Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF366-BS	F021375.D	1	05/21/07	WJ	n/a	n/a	VF366

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49416-1, F49416-2, F49416-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	36.9	74	71-126
541-73-1	m-Dichlorobenzene	50	58.4	117	82-126
95-50-1	o-Dichlorobenzene	50	57.3	115	83-123
106-46-7	p-Dichlorobenzene	50	57.5	115	84-124
156-60-5	trans-1,2-Dichloroethylene	50	49.4	99	77-129
10061-02-6	trans-1,3-Dichloropropene	50	51.7	103	87-131
100-41-4	Ethylbenzene	50	52.5	105	82-124
97-63-2	Ethyl methacrylate	50	46.9	94	78-118
76-13-1	Freon 113	50	62.0	124	62-147
591-78-6	2-Hexanone	250	240	96	67-130
87-68-3	Hexachlorobutadiene	50	72.9	146	77-150
110-54-3	Hexane	50	57.8	116	65-147
98-82-8	Isopropylbenzene	50	61.4	123	82-133
99-87-6	p-Isopropyltoluene	50	57.4	115	82-132
108-10-1	4-Methyl-2-pentanone	250	207	83	69-125
126-98-7	Methacrylonitrile	500	383	77	70-138
74-83-9	Methyl bromide	50	50.0	100	60-146
74-87-3	Methyl chloride	50	53.4	107	58-163
74-88-4	Methyl iodide	50	59.2	118	66-128
80-62-6	Methyl methacrylate	50	37.0	74	73-125
74-95-3	Methylene bromide	50	52.5	105	75-128
75-09-2	Methylene chloride	50	42.7	85	62-140
78-93-3	Methyl ethyl ketone	250	254	102	66-134
1634-04-4	Methyl Tert Butyl Ether	50	46.9	94	70-131
91-20-3	Naphthalene	50	52.3	105	59-143
76-01-7	Pentachloroethane	50	49.7	99	64-156
107-12-0	Propionitrile	500	423	85	73-133
103-65-1	n-Propylbenzene	50	52.0	104	78-129
100-42-5	Styrene	50	54.7	109	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	56.2	112	81-121
71-55-6	1,1,1-Trichloroethane	50	52.9	106	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	44.9	90	70-128
79-00-5	1,1,2-Trichloroethane	50	50.0	100	76-118
87-61-6	1,2,3-Trichlorobenzene	50	64.3	129	78-136
96-18-4	1,2,3-Trichloropropane	50	46.2	92	74-125
120-82-1	1,2,4-Trichlorobenzene	50	67.3	135	82-137

Blank Spike Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF366-BS	F021375.D	1	05/21/07	WJ	n/a	n/a	VF366

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49416-1, F49416-2, F49416-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	50.6	101	77-129
108-67-8	1,3,5-Trimethylbenzene	50	52.6	105	79-129
127-18-4	Tetrachloroethylene	50	69.2	138*	79-132
108-88-3	Toluene	50	55.9	112	80-123
79-01-6	Trichloroethylene	50	57.0	114	78-132
75-69-4	Trichlorofluoromethane	50	58.3	117	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	39.9	80	74-138
75-01-4	Vinyl chloride	50	48.7	97	60-145
108-05-4	Vinyl Acetate	250	243	97	25-164
	m,p-Xylene	100	109	109	82-128
95-47-6	o-Xylene	50	54.9	110	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	80-121%
2037-26-5	Toluene-D8	99%	71-130%
460-00-4	4-Bromofluorobenzene	106%	59-148%
17060-07-0	1,2-Dichloroethane-D4	81%	77-123%

Blank Spike Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF367-BS	F021402.D	1	05/22/07	WJ	n/a	n/a	VF367

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49416-4, F49416-5, F49416-6, F49416-7, F49416-8, F49416-9

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	338	135	61-144
75-05-8	Acetonitrile	500	392	78	59-139
107-02-8	Acrolein	250	343	137	27-156
107-13-1	Acrylonitrile	250	211	84	55-144
107-05-1	Allyl chloride	50	50.1	100	41-152
71-43-2	Benzene	50	56.1	112	78-130
100-44-7	Benzyl Chloride	50	57.4	115	74-130
108-86-1	Bromobenzene	50	54.1	108	78-123
74-97-5	Bromochloromethane	50	53.0	106	72-122
75-27-4	Bromodichloromethane	50	50.5	101	73-122
75-25-2	Bromoform	50	51.9	104	70-139
104-51-8	n-Butylbenzene	50	61.0	122	80-138
135-98-8	sec-Butylbenzene	50	59.0	118	82-132
98-06-6	tert-Butylbenzene	50	54.6	109	79-130
108-90-7	Chlorobenzene	50	57.5	115	83-122
75-00-3	Chloroethane	50	56.0	112	61-153
67-66-3	Chloroform	50	54.9	110	79-129
544-10-5	1-Chlorohexane	50	64.7	129	85-137
95-49-8	o-Chlorotoluene	50	48.5	97	77-123
106-43-4	p-Chlorotoluene	50	54.4	109	78-129
110-75-8	2-Chloroethyl vinyl ether	250	218	87	52-142
75-15-0	Carbon disulfide	50	59.8	120	61-142
56-23-5	Carbon tetrachloride	50	58.7	117	79-135
75-34-3	1,1-Dichloroethane	50	56.6	113	77-132
75-35-4	1,1-Dichloroethylene	50	55.0	110	66-132
563-58-6	1,1-Dichloropropene	50	59.3	119	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	42.5	85	67-129
106-93-4	1,2-Dibromoethane	50	53.6	107	77-126
107-06-2	1,2-Dichloroethane	50	51.1	102	78-129
78-87-5	1,2-Dichloropropane	50	54.4	109	74-127
142-28-9	1,3-Dichloropropane	50	51.7	103	78-118
594-20-7	2,2-Dichloropropane	50	59.5	119	80-137
124-48-1	Dibromochloromethane	50	51.5	103	78-117
75-71-8	Dichlorodifluoromethane	50	81.6	163*	35-162
156-59-2	cis-1,2-Dichloroethylene	50	54.9	110	74-123
10061-01-5	cis-1,3-Dichloropropene	50	56.6	113	79-130

Blank Spike Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF367-BS	F021402.D	1	05/22/07	WJ	n/a	n/a	VF367

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49416-4, F49416-5, F49416-6, F49416-7, F49416-8, F49416-9

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	43.4	87	71-126
541-73-1	m-Dichlorobenzene	50	58.0	116	82-126
95-50-1	o-Dichlorobenzene	50	56.6	113	83-123
106-46-7	p-Dichlorobenzene	50	59.1	118	84-124
156-60-5	trans-1,2-Dichloroethylene	50	56.0	112	77-129
10061-02-6	trans-1,3-Dichloropropene	50	56.4	113	87-131
100-41-4	Ethylbenzene	50	55.7	111	82-124
97-63-2	Ethyl methacrylate	50	49.2	98	78-118
76-13-1	Freon 113	50	61.9	124	62-147
591-78-6	2-Hexanone	250	282	113	67-130
87-68-3	Hexachlorobutadiene	50	71.3	143	77-150
110-54-3	Hexane	50	60.9	122	65-147
98-82-8	Isopropylbenzene	50	62.8	126	82-133
99-87-6	p-Isopropyltoluene	50	58.4	117	82-132
108-10-1	4-Methyl-2-pentanone	250	241	96	69-125
126-98-7	Methacrylonitrile	500	443	89	70-138
74-83-9	Methyl bromide	50	61.8	124	60-146
74-87-3	Methyl chloride	50	63.2	126	58-163
74-88-4	Methyl iodide	50	55.4	111	66-128
80-62-6	Methyl methacrylate	50	43.0	86	73-125
74-95-3	Methylene bromide	50	54.0	108	75-128
75-09-2	Methylene chloride	50	49.2	98	62-140
78-93-3	Methyl ethyl ketone	250	292	117	66-134
1634-04-4	Methyl Tert Butyl Ether	50	50.0	100	70-131
91-20-3	Naphthalene	50	52.7	105	59-143
76-01-7	Pentachloroethane	50	48.5	97	64-156
107-12-0	Propionitrile	500	437	87	73-133
103-65-1	n-Propylbenzene	50	56.2	112	78-129
100-42-5	Styrene	50	55.0	110	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	55.4	111	81-121
71-55-6	1,1,1-Trichloroethane	50	57.0	114	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	48.4	97	70-128
79-00-5	1,1,2-Trichloroethane	50	52.4	105	76-118
87-61-6	1,2,3-Trichlorobenzene	50	61.7	123	78-136
96-18-4	1,2,3-Trichloropropane	50	47.8	96	74-125
120-82-1	1,2,4-Trichlorobenzene	50	65.3	131	82-137

Blank Spike Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF367-BS	F021402.D	1	05/22/07	WJ	n/a	n/a	VF367

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49416-4, F49416-5, F49416-6, F49416-7, F49416-8, F49416-9

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	53.9	108	77-129
108-67-8	1,3,5-Trimethylbenzene	50	54.6	109	79-129
127-18-4	Tetrachloroethylene	50	64.2	128	79-132
108-88-3	Toluene	50	57.5	115	80-123
79-01-6	Trichloroethylene	50	57.6	115	78-132
75-69-4	Trichlorofluoromethane	50	64.2	128	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	45.7	91	74-138
75-01-4	Vinyl chloride	50	62.3	125	60-145
108-05-4	Vinyl Acetate	250	257	103	25-164
	m,p-Xylene	100	115	115	82-128
95-47-6	o-Xylene	50	57.0	114	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	80-121%
2037-26-5	Toluene-D8	99%	71-130%
460-00-4	4-Bromofluorobenzene	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	91%	77-123%

Blank Spike Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF368-BS	F021430.D	1	05/23/07	WJ	n/a	n/a	VF368

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49416-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	57.6	115	78-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	80-121%
2037-26-5	Toluene-D8	98%	71-130%
460-00-4	4-Bromofluorobenzene	102%	59-148%
17060-07-0	1,2-Dichloroethane-D4	93%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49469-1MS	J029827.D	1	05/21/07	SH	n/a	n/a	VJ2127
F49469-1MSD	J029828.D	1	05/21/07	SH	n/a	n/a	VJ2127
F49469-1 [a]	J029826.D	1	05/21/07	SH	n/a	n/a	VJ2127

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49416-10

CAS No.	Compound	F49469-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	90.2	72	90.3	72	0	59-134/14
75-05-8	Acetonitrile	ND		250	278	111	274	110	1	57-123/15
107-02-8	Acrolein	ND		125	194	155	191	153	2	33-157/21
107-13-1	Acrylonitrile	ND		125	132	106	131	105	1	62-124/13
107-05-1	Allyl chloride	ND		25	25.6	102	25.2	101	2	48-136/13
71-43-2	Benzene	ND		25	28.1	112	28.0	112	0	83-124/11
100-44-7	Benzyl Chloride	ND		25	23.8	95	24.1	96	1	61-118/12
108-86-1	Bromobenzene	ND		25	24.1	96	24.1	96	0	83-115/10
74-97-5	Bromochloromethane	ND		25	22.4	90	22.6	90	1	78-112/10
75-27-4	Bromodichloromethane	ND		25	24.7	99	25.5	102	3	76-116/10
75-25-2	Bromoform	ND		25	21.4	86	22.0	88	3	68-128/11
104-51-8	n-Butylbenzene	ND		25	28.0	112	28.2	113	1	84-124/10
135-98-8	sec-Butylbenzene	ND		25	27.0	108	27.5	110	2	86-127/10
98-06-6	tert-Butylbenzene	ND		25	27.2	109	27.6	110	1	83-126/10
108-90-7	Chlorobenzene	ND		25	25.4	102	25.3	101	0	87-115/9
75-00-3	Chloroethane	ND		25	38.2	153	36.9	148	3	54-166/20
67-66-3	Chloroform	ND		25	26.6	106	27.4	110	3	85-123/10
544-10-5	1-Chlorohexane	ND		25	27.2	109	27.9	112	3	87-128/10
95-49-8	o-Chlorotoluene	ND		25	27.1	108	27.2	109	0	84-121/10
106-43-4	p-Chlorotoluene	ND		25	26.1	104	26.6	106	2	84-120/10
110-75-8	2-Chloroethyl vinyl ether	ND		125	ND	0*	ND	0*	nc	63-125/24
75-15-0	Carbon disulfide	ND		25	29.2	117	28.5	114	2	67-147/12
56-23-5	Carbon tetrachloride	ND		25	25.5	102	25.6	102	0	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	27.7	111	27.8	111	0	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	30.9	124	30.5	122	1	75-133/13
563-58-6	1,1-Dichloropropene	ND		25	27.5	110	28.2	113	3	87-127/10
96-12-8	1,2-Dibromo-3-chloropropane	ND		25	21.7	87	21.9	88	1	61-118/15
106-93-4	1,2-Dibromoethane	ND		25	22.3	89	23.0	92	3	80-115/10
107-06-2	1,2-Dichloroethane	ND		25	25.3	101	25.2	101	0	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	27.3	109	27.3	109	0	81-120/11
142-28-9	1,3-Dichloropropane	ND		25	23.6	94	24.6	98	4	81-113/11
594-20-7	2,2-Dichloropropane	ND		25	25.3	101	26.1	104	3	77-138/12
124-48-1	Dibromochloromethane	ND		25	21.1	84	21.9	88	4	74-116/11
75-71-8	Dichlorodifluoromethane	ND		25	36.0	144	38.2	153	6	34-158/22
156-59-2	cis-1,2-Dichloroethylene	ND		25	24.2	97	24.4	98	1	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	26.4	106	26.6	106	1	83-119/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49469-1MS	J029827.D	1	05/21/07	SH	n/a	n/a	VJ2127
F49469-1MSD	J029828.D	1	05/21/07	SH	n/a	n/a	VJ2127
F49469-1 [a]	J029826.D	1	05/21/07	SH	n/a	n/a	VJ2127

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49416-10

CAS No.	Compound	F49469-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		25	20.9	84	21.9	88	5	41-130/33
541-73-1	m-Dichlorobenzene	ND		25	23.8	95	24.1	96	1	86-115/9
95-50-1	o-Dichlorobenzene	ND		25	23.8	95	24.2	97	2	85-115/9
106-46-7	p-Dichlorobenzene	ND		25	24.7	99	24.7	99	0	87-113/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	27.5	110	27.4	110	0	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	26.5	106	27.7	111	4	87-123/10
100-41-4	Ethylbenzene	ND		25	25.9	104	25.9	104	0	87-118/10
97-63-2	Ethyl methacrylate	ND		25	23.9	96	25.1	100	5	68-110/11
76-13-1	Freon 113	ND		25	31.1	124	30.3	121	3	74-139/13
591-78-6	2-Hexanone	ND		125	128	102	129	103	1	58-125/14
87-68-3	Hexachlorobutadiene	ND		25	20.6	82	21.3	85	3	71-133/12
110-54-3	Hexane	ND		25	27.5	110	27.2	109	1	71-134/11
98-82-8	Isopropylbenzene	ND		25	25.4	102	26.2	105	3	87-131/10
99-87-6	p-Isopropyltoluene	ND		25	25.3	101	25.7	103	2	83-125/9
108-10-1	4-Methyl-2-pentanone	ND		125	139	111	140	112	1	62-125/13
126-98-7	Methacrylonitrile	ND		250	281	112	278	111	1	62-133/17
74-83-9	Methyl bromide	ND		25	31.7	127	30.6	122	4	55-151/21
74-87-3	Methyl chloride	ND		25	33.6	134	32.7	131	3	55-173/22
74-88-4	Methyl iodide	ND		25	26.3	105	26.0	104	1	72-125/11
80-62-6	Methyl methacrylate	ND		25	24.4	98	24.7	99	1	63-115/10
74-95-3	Methylene bromide	ND		25	24.9	100	25.6	102	3	81-116/10
75-09-2	Methylene chloride	ND		25	26.7	107	26.0	104	3	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	106	85	107	86	1	61-127/13
1634-04-4	Methyl Tert Butyl Ether	ND		25	22.7	91	23.2	93	2	75-116/10
91-20-3	Naphthalene	ND		25	19.0	76	20.2	81	6	59-125/15
76-01-7	Pentachloroethane	ND		25	21.1	84	21.5	86	2	82-111/8
107-12-0	Propionitrile	ND		250	267	107	267	107	0	69-119/12
103-65-1	n-Propylbenzene	ND		25	28.3	113	28.4	114	0	86-125/10
100-42-5	Styrene	ND		25	23.3	93	23.6	94	1	78-118/11
630-20-6	1,1,1,2-Tetrachloroethane	ND		25	22.4	90	23.3	93	4	81-119/10
71-55-6	1,1,1-Trichloroethane	ND		25	25.6	102	26.3	105	3	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	26.7	107	27.3	109	2	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	25.0	100	25.4	102	2	80-114/11
87-61-6	1,2,3-Trichlorobenzene	ND		25	18.5	74	19.9	80	7	64-126/16
96-18-4	1,2,3-Trichloropropane	ND		25	23.1	92	23.7	95	3	77-115/12
120-82-1	1,2,4-Trichlorobenzene	ND		25	20.1	80	21.3	85	6	68-123/11

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49469-1MS	J029827.D	1	05/21/07	SH	n/a	n/a	VJ2127
F49469-1MSD	J029828.D	1	05/21/07	SH	n/a	n/a	VJ2127
F49469-1 [a]	J029826.D	1	05/21/07	SH	n/a	n/a	VJ2127

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49416-10

CAS No.	Compound	F49469-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		25	25.2	101	25.6	102	2	82-120/10
108-67-8	1,3,5-Trimethylbenzene	ND		25	26.1	104	26.6	106	2	83-123/10
127-18-4	Tetrachloroethylene	ND		25	22.4	90	22.8	91	2	80-131/12
108-88-3	Toluene	ND		25	24.4	98	24.9	100	2	86-116/10
79-01-6	Trichloroethylene	ND		25	26.9	108	27.0	108	0	85-124/10
75-69-4	Trichlorofluoromethane	ND		25	41.4	166*	39.7	159*	4	66-156/15
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		25	23.3	93	24.4	98	5	51-137/24
75-01-4	Vinyl chloride	ND		25	31.4	126	31.9	128	2	57-153/22
108-05-4	Vinyl Acetate	ND		125	140	112	138	110	1	38-159/11
	m,p-Xylene	ND		50	52.3	105	52.6	105	1	86-121/10
95-47-6	o-Xylene	ND		25	24.5	98	25.4	102	4	83-121/10

CAS No.	Surrogate Recoveries	MS	MSD	F49469-1	Limits
1868-53-7	Dibromofluoromethane	97%	99%	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	100%	99%	99%	76-127%
2037-26-5	Toluene-D8	95%	97%	97%	86-112%
460-00-4	4-Bromofluorobenzene	105%	106%	109%	84-120%

(a) Confirmation run.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49486-32MS	F021378.D	1	05/21/07	WJ	n/a	n/a	VF366
F49486-32MSD	F021379.D	1	05/21/07	WJ	n/a	n/a	VF366
F49486-32 [a]	F021377.D	1	05/21/07	WJ	n/a	n/a	VF366

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49416-1, F49416-2, F49416-3

CAS No.	Compound	F49486-32 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		317	166	52*	130	41*	24	61-144/29
75-05-8	Acetonitrile	ND		634	329	52*	251	40*	27	59-139/30
107-02-8	Acrolein	ND		317	369	116	304	97	19	27-156/39
107-13-1	Acrylonitrile	ND		317	229	72	185	59	21	55-144/24
107-05-1	Allyl chloride	ND		63.4	69.5	110	63.5	101	9	41-152/24
71-43-2	Benzene	ND		63.4	73.2	115	67.6	108	8	78-130/25
100-44-7	Benzyl Chloride	ND		63.4	77.9	123	66.6	106	16	74-130/28
108-86-1	Bromobenzene	ND		63.4	99.6	157*	80.4	128*	21	78-123/30
74-97-5	Bromochloromethane	ND		63.4	62.9	99	56.1	89	11	72-122/23
75-27-4	Bromodichloromethane	ND		63.4	60.8	96	54.9	87	10	73-122/25
75-25-2	Bromoform	ND		63.4	53.4	84	48.5	77	10	70-139/26
104-51-8	n-Butylbenzene	ND		63.4	47.8	75*	40.3	64*	17	80-138/31
135-98-8	sec-Butylbenzene	ND		63.4	58.2	92	48.4	77*	18	82-132/29
98-06-6	tert-Butylbenzene	ND		63.4	66.6	105	54.6	87	20	79-130/29
108-90-7	Chlorobenzene	ND		63.4	71.6	113	65.9	105	8	83-122/23
75-00-3	Chloroethane	ND		63.4	82.9	131	74.3	118	11	61-153/31
67-66-3	Chloroform	ND		63.4	72.9	115	66.1	105	10	79-129/27
544-10-5	1-Chlorohexane	ND		63.4	58.3	92	53.2	85	9	85-137/29
95-49-8	o-Chlorotoluene	ND		63.4	92.0	145*	75.2	120	20	77-123/31
106-43-4	p-Chlorotoluene	ND		63.4	91.5	144*	74.8	119	20	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		317	205	65	189	60	8	52-142/25
75-15-0	Carbon disulfide	ND		63.4	81.3	128	74.2	118	9	61-142/27
56-23-5	Carbon tetrachloride	ND		63.4	73.8	116	66.2	105	11	79-135/29
75-34-3	1,1-Dichloroethane	ND		63.4	77.2	122	72.0	115	7	77-132/26
75-35-4	1,1-Dichloroethylene	ND		63.4	79.7	126	72.6	116	9	66-132/27
563-58-6	1,1-Dichloropropene	ND		63.4	77.2	122	70.8	113	9	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		63.4	67.1	106	50.4	80	28	67-129/29
106-93-4	1,2-Dibromoethane	ND		63.4	62.7	99	56.6	90	10	77-126/24
107-06-2	1,2-Dichloroethane	ND		63.4	59.4	94	54.5	87	9	78-129/24
78-87-5	1,2-Dichloropropane	ND		63.4	68.0	107	62.8	100	8	74-127/27
142-28-9	1,3-Dichloropropane	ND		63.4	66.9	106	60.7	97	10	78-118/26
594-20-7	2,2-Dichloropropane	ND		63.4	81.1	128	71.6	114	12	80-137/28
124-48-1	Dibromochloromethane	ND		63.4	65.5	103	57.9	92	12	78-117/27
75-71-8	Dichlorodifluoromethane	ND		63.4	121	191*	109	173*	10	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		63.4	71.2	112	66.1	105	7	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		63.4	63.0	99	59.1	94	6	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49486-32MS	F021378.D	1	05/21/07	WJ	n/a	n/a	VF366
F49486-32MSD	F021379.D	1	05/21/07	WJ	n/a	n/a	VF366
F49486-32 [a]	F021377.D	1	05/21/07	WJ	n/a	n/a	VF366

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49416-1, F49416-2, F49416-3

CAS No.	Compound	F49486-32 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		63.4	86.8	137*	65.1	104	29*	71-126/28
541-73-1	m-Dichlorobenzene	ND		63.4	73.6	116	62.0	99	17	82-126/29
95-50-1	o-Dichlorobenzene	ND		63.4	65.3	103	54.5	87	18	83-123/28
106-46-7	p-Dichlorobenzene	ND		63.4	74.0	117	64.8	103	13	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		63.4	78.7	124	70.9	113	10	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		63.4	75.3	119	68.4	109	10	87-131/27
100-41-4	Ethylbenzene	ND		63.4	68.7	108	61.9	98	10	82-124/25
97-63-2	Ethyl methacrylate	ND		63.4	45.1	71*	37.1	59*	19	78-118/30
76-13-1	Freon 113	ND		63.4	71.7	113	65.8	105	9	62-147/29
591-78-6	2-Hexanone	ND		317	259	82	219	70	17	67-130/29
87-68-3	Hexachlorobutadiene	ND		63.4	19.8	31*	18.5	29*	7	77-150/36
110-54-3	Hexane	ND		63.4	37.2	59*	33.1	53*	12	65-147/27
98-82-8	Isopropylbenzene	ND		63.4	58.6	92	52.5	84	11	82-133/27
99-87-6	p-Isopropyltoluene	ND		63.4	57.5	91	48.2	77*	18	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		317	281	89	238	76	17	69-125/24
126-98-7	Methacrylonitrile	ND		634	434	68*	387	62*	11	70-138/22
74-83-9	Methyl bromide	ND		63.4	90.2	142	83.2	132	8	60-146/31
74-87-3	Methyl chloride	ND		63.4	94.8	150	86.2	137	10	58-163/26
74-88-4	Methyl iodide	ND		63.4	74.4	117	68.3	109	9	66-128/27
80-62-6	Methyl methacrylate	ND		63.4	49.3	78	43.7	70*	12	73-125/24
74-95-3	Methylene bromide	ND		63.4	56.6	89	52.0	83	8	75-128/26
75-09-2	Methylene chloride	ND		63.4	66.3	105	59.7	95	10	62-140/25
78-93-3	Methyl ethyl ketone	ND		317	192	61*	167	53*	14	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		63.4	57.5	91	51.2	81	12	70-131/25
91-20-3	Naphthalene	ND		63.4	30.7	48*	28.8	46*	6	59-143/31
76-01-7	Pentachloroethane	ND		63.4	78.0	123	59.4	95	27	64-156/37
107-12-0	Propionitrile	ND		634	406	64*	342	54*	17	73-133/23
103-65-1	n-Propylbenzene	ND		63.4	86.1	136*	70.3	112	20	78-129/29
100-42-5	Styrene	ND		63.4	61.5	97	56.7	90	8	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		63.4	70.9	112	63.3	101	11	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		63.4	78.0	123	70.0	111	11	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		63.4	88.3	139*	69.7	111	24	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		63.4	66.3	105	60.1	96	10	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		63.4	23.2	37*	22.8	36*	2	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		63.4	96.1	152*	75.2	120	24	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		63.4	29.3	46*	27.8	44*	5	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49486-32MS	F021378.D	1	05/21/07	WJ	n/a	n/a	VF366
F49486-32MSD	F021379.D	1	05/21/07	WJ	n/a	n/a	VF366
F49486-32 [a]	F021377.D	1	05/21/07	WJ	n/a	n/a	VF366

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49416-1, F49416-2, F49416-3

CAS No.	Compound	F49486-32 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		63.4	73.7	116	60.0	95	20	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		63.4	74.8	118	62.0	99	19	79-129/31
127-18-4	Tetrachloroethylene	ND		63.4	76.3	120	69.8	111	9	79-132/27
108-88-3	Toluene	ND		63.4	87.3	138*	78.1	124*	11	80-123/26
79-01-6	Trichloroethylene	ND		63.4	73.0	115	67.3	107	8	78-132/28
75-69-4	Trichlorofluoromethane	ND		63.4	91.0	144	83.5	133	9	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		63.4	91.5	144*	71.0	113	25	74-138/30
75-01-4	Vinyl chloride	ND		63.4	90.6	143	83.0	132	9	60-145/29
108-05-4	Vinyl Acetate	ND		317	29.3	9*	19.4	6*	41*	25-164/35
	m,p-Xylene	ND		127	135	106	122	97	10	82-128/25
95-47-6	o-Xylene	ND		63.4	64.7	102	58.5	93	10	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F49486-32	Limits
1868-53-7	Dibromofluoromethane	99%	95%	100%	80-121%
2037-26-5	Toluene-D8	118%	114%	110%	71-130%
460-00-4	4-Bromofluorobenzene	153%*	139%	120%	59-148%
17060-07-0	1,2-Dichloroethane-D4	84%	82%	92%	77-123%

(a) Sample was received in a bulk container but was not preserved within 48 hours of sampling.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49344-1MS	F021406.D	1	05/22/07	WJ	n/a	n/a	VF367
F49344-1MSD	F021407.D	1	05/22/07	WJ	n/a	n/a	VF367
F49344-1 [a]	F021405.D	1	05/22/07	WJ	n/a	n/a	VF367

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49416-4, F49416-5, F49416-6, F49416-7, F49416-8, F49416-9

CAS No.	Compound	F49344-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		11500	6850	60*	5770	50*	17	61-144/29
75-05-8	Acetonitrile	ND		23000	13700	60	10800	47*	24	59-139/30
107-02-8	Acrolein	ND		11500	19100	166*	16900	147	12	27-156/39
107-13-1	Acrylonitrile	ND		11500	6810	59	6190	54*	10	55-144/24
107-05-1	Allyl chloride	ND		2300	2460	107	2160	94	13	41-152/24
71-43-2	Benzene	105	J	2300	2710	113	2530	105	7	78-130/25
100-44-7	Benzyl Chloride	ND		2300	2020	88	1800	78	12	74-130/28
108-86-1	Bromobenzene	ND		2300	2400	104	2300	100	4	78-123/30
74-97-5	Bromochloromethane	ND		2300	2060	90	2070	90	0	72-122/23
75-27-4	Bromodichloromethane	ND		2300	2430	106	2190	95	10	73-122/25
75-25-2	Bromoform	ND		2300	1960	85	1890	82	4	70-139/26
104-51-8	n-Butylbenzene	ND		2300	3040	132	2740	119	10	80-138/31
135-98-8	sec-Butylbenzene	ND		2300	2910	127	2670	116	9	82-132/29
98-06-6	tert-Butylbenzene	ND		2300	2830	123	2500	109	12	79-130/29
108-90-7	Chlorobenzene	ND		2300	2680	117	2550	111	5	83-122/23
75-00-3	Chloroethane	ND		2300	2610	114	2020	88	25	61-153/31
67-66-3	Chloroform	ND		2300	2660	116	2430	106	9	79-129/27
544-10-5	1-Chlorohexane	ND		2300	3070	134	2890	126	6	85-137/29
95-49-8	o-Chlorotoluene	ND		2300	2680	117	2430	106	10	77-123/31
106-43-4	p-Chlorotoluene	ND		2300	2680	117	2460	107	9	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		11500	7590	66	7150	62	6	52-142/25
75-15-0	Carbon disulfide	ND		2300	2840	124	2570	112	10	61-142/27
56-23-5	Carbon tetrachloride	ND		2300	2950	128	2620	114	12	79-135/29
75-34-3	1,1-Dichloroethane	ND		2300	2720	118	2470	107	10	77-132/26
75-35-4	1,1-Dichloroethylene	ND		2300	2840	124	2480	108	14	66-132/27
563-58-6	1,1-Dichloropropene	ND		2300	2930	127	2620	114	11	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		2300	1730	75	1550	67	11	67-129/29
106-93-4	1,2-Dibromoethane	ND		2300	2020	88	1940	84	4	77-126/24
107-06-2	1,2-Dichloroethane	ND		2300	2450	107	2100	91	15	78-129/24
78-87-5	1,2-Dichloropropane	ND		2300	2610	114	2390	104	9	74-127/27
142-28-9	1,3-Dichloropropane	ND		2300	2130	93	2000	87	6	78-118/26
594-20-7	2,2-Dichloropropane	ND		2300	2930	127	2560	111	13	80-137/28
124-48-1	Dibromochloromethane	ND		2300	2160	94	2060	90	5	78-117/27
75-71-8	Dichlorodifluoromethane	ND		2300	4280	186*	3750	163*	13	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		2300	2430	106	2340	102	4	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		2300	2540	111	2340	102	8	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49344-1MS	F021406.D	1	05/22/07	WJ	n/a	n/a	VF367
F49344-1MSD	F021407.D	1	05/22/07	WJ	n/a	n/a	VF367
F49344-1 [a]	F021405.D	1	05/22/07	WJ	n/a	n/a	VF367

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49416-4, F49416-5, F49416-6, F49416-7, F49416-8, F49416-9

CAS No.	Compound	F49344-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		2300	1670	73	1460	64*	13	71-126/28
541-73-1	m-Dichlorobenzene	ND		2300	2740	119	2580	112	6	82-126/29
95-50-1	o-Dichlorobenzene	ND		2300	2690	117	2450	107	9	83-123/28
106-46-7	p-Dichlorobenzene	ND		2300	2730	119	2570	112	6	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		2300	2740	119	2480	108	10	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		2300	2480	108	2280	99	8	87-131/27
100-41-4	Ethylbenzene	ND		2300	2790	121	2560	111	9	82-124/25
97-63-2	Ethyl methacrylate	ND		2300	1820	79	1730	75*	5	78-118/30
76-13-1	Freon 113	ND		2300	2960	129	2790	121	6	62-147/29
591-78-6	2-Hexanone	ND		11500	8220	72	7520	65*	9	67-130/29
87-68-3	Hexachlorobutadiene	ND		2300	3640	158*	3280	143	10	77-150/36
110-54-3	Hexane	ND		2300	3020	131	2520	110	18	65-147/27
98-82-8	Isopropylbenzene	ND		2300	3240	141*	2890	126	11	82-133/27
99-87-6	p-Isopropyltoluene	ND		2300	2910	127	2660	116	9	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		11500	8430	73	7560	66*	11	69-125/24
126-98-7	Methacrylonitrile	ND		23000	17000	74	14600	64*	15	70-138/22
74-83-9	Methyl bromide	ND		2300	3320	144	2490	108	29	60-146/31
74-87-3	Methyl chloride	ND		2300	3330	145	2920	127	13	58-163/26
74-88-4	Methyl iodide	ND		2300	2460	107	2370	103	4	66-128/27
80-62-6	Methyl methacrylate	ND		2300	1600	70*	1440	63*	11	73-125/24
74-95-3	Methylene bromide	ND		2300	2140	93	2010	87	6	75-128/26
75-09-2	Methylene chloride	ND		2300	2330	101	2090	91	11	62-140/25
78-93-3	Methyl ethyl ketone	ND		11500	7500	65*	6690	58*	11	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		2300	2010	87	1910	83	5	70-131/25
91-20-3	Naphthalene	5070		2300	5750	30* [b]	5830	33* [b]	1	59-143/31
76-01-7	Pentachloroethane	ND		2300	2230	97	2090	91	6	64-156/37
107-12-0	Propionitrile	ND		23000	15300	67*	13700	60*	11	73-133/23
103-65-1	n-Propylbenzene	ND		2300	2790	121	2500	109	11	78-129/29
100-42-5	Styrene	ND		2300	2620	114	2450	107	7	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		2300	2520	110	2420	105	4	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		2300	2920	127	2570	112	13	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		2300	1740	76	1680	73	4	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		2300	2090	91	2000	87	4	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		2300	2920	127	2790	121	5	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		2300	1710	74	1630	71*	5	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		2300	3160	137	3000	131	5	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49344-1MS	F021406.D	1	05/22/07	WJ	n/a	n/a	VF367
F49344-1MSD	F021407.D	1	05/22/07	WJ	n/a	n/a	VF367
F49344-1 [a]	F021405.D	1	05/22/07	WJ	n/a	n/a	VF367

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49416-4, F49416-5, F49416-6, F49416-7, F49416-8, F49416-9

CAS No.	Compound	F49344-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		2300	2720	118	2420	105	12	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		2300	2720	118	2430	106	11	79-129/31
127-18-4	Tetrachloroethylene	ND		2300	2830	123	2760	120	3	79-132/27
108-88-3	Toluene	213	J	2300	2830	114	2710	109	4	80-123/26
79-01-6	Trichloroethylene	ND		2300	2740	119	2590	113	6	78-132/28
75-69-4	Trichlorofluoromethane	ND		2300	3520	153*	3000	131	16	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		2300	1740	76	1550	67*	12	74-138/30
75-01-4	Vinyl chloride	ND		2300	3210	140	2880	125	11	60-145/29
108-05-4	Vinyl Acetate	ND		11500	10400	90	9230	80	12	25-164/35
	m,p-Xylene	180	J	4600	5720	121	5360	113	6	82-128/25
95-47-6	o-Xylene	ND		2300	2890	126	2660	116	8	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F49344-1	Limits
1868-53-7	Dibromofluoromethane	97%	93%	100%	80-121%
2037-26-5	Toluene-D8	99%	98%	99%	71-130%
460-00-4	4-Bromofluorobenzene	94%	96%	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	90%	82%	112%	77-123%

(a) Sample re-analyzed beyond hold time; reported results are considered minimum values.
(b) Outside control limits due to high level in sample relative to spike amount.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49463-4MS	F021433.D	1	05/23/07	WJ	n/a	n/a	VF368
F49463-4MSD	F021434.D	1	05/23/07	WJ	n/a	n/a	VF368
F49463-4	F021432.D	1	05/23/07	WJ	n/a	n/a	VF368

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49416-7

CAS No.	Compound	F49463-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		54.6	63.2	116	61.5	112	3	78-130/25

CAS No.	Surrogate Recoveries	MS	MSD	F49463-4	Limits
1868-53-7	Dibromofluoromethane	97%	94%	103%	80-121%
2037-26-5	Toluene-D8	100%	98%	101%	71-130%
460-00-4	4-Bromofluorobenzene	94%	93%	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	96%	91%	108%	77-123%

GC/MS Semi-volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20683-MB	U002228.D	1	05/24/07	NJ	05/22/07	OP20683	SU112

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49416-1, F49416-2, F49416-3, F49416-4, F49416-5, F49416-6, F49416-7, F49416-8, F49416-9

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	830	330	ug/kg	
95-57-8	2-Chlorophenol	ND	170	33	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	33	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	33	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	830	330	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	330	67	ug/kg	
95-48-7	2-Methylphenol	ND	170	33	ug/kg	
	3&4-Methylphenol	ND	170	33	ug/kg	
88-75-5	2-Nitrophenol	ND	170	33	ug/kg	
100-02-7	4-Nitrophenol	ND	830	330	ug/kg	
87-86-5	Pentachlorophenol	ND	830	330	ug/kg	
108-95-2	Phenol	ND	170	33	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	33	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	33	ug/kg	
83-32-9	Acenaphthene	ND	170	33	ug/kg	
208-96-8	Acenaphthylene	ND	170	33	ug/kg	
120-12-7	Anthracene	ND	170	33	ug/kg	
92-87-5	Benzidine	ND	1700	830	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	33	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	33	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	33	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	67	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	33	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	33	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	330	83	ug/kg	
100-51-6	Benzyl Alcohol	ND	170	33	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	33	ug/kg	
106-47-8	4-Chloroaniline	ND	330	130	ug/kg	
218-01-9	Chrysene	ND	170	33	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	33	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	67	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	170	33	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	33	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	33	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	170	33	ug/kg	

Method Blank Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20683-MB	U002228.D	1	05/24/07	NJ	05/22/07	OP20683	SU112

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49416-1, F49416-2, F49416-3, F49416-4, F49416-5, F49416-6, F49416-7, F49416-8, F49416-9

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	170	33	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	67	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	67	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	330	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	67	ug/kg	
132-64-9	Dibenzofuran	ND	170	33	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	330	83	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	330	170	ug/kg	
84-66-2	Diethyl phthalate	ND	330	83	ug/kg	
131-11-3	Dimethyl phthalate	ND	330	83	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	170	ug/kg	
206-44-0	Fluoranthene	ND	170	33	ug/kg	
86-73-7	Fluorene	ND	170	33	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	33	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	67	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	67	ug/kg	
67-72-1	Hexachloroethane	ND	170	67	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	67	ug/kg	
78-59-1	Isophorone	ND	170	33	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	33	ug/kg	
88-74-4	2-Nitroaniline	ND	330	83	ug/kg	
99-09-2	3-Nitroaniline	ND	330	83	ug/kg	
100-01-6	4-Nitroaniline	ND	330	120	ug/kg	
91-20-3	Naphthalene	ND	170	33	ug/kg	
98-95-3	Nitrobenzene	ND	170	33	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	67	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	33	ug/kg	
85-01-8	Phenanthrene	ND	170	33	ug/kg	
129-00-0	Pyrene	ND	170	67	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	33	ug/kg	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	74%	40-102%
4165-62-2	Phenol-d5	76%	41-100%

Method Blank Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20683-MB	U002228.D	1	05/24/07	NJ	05/22/07	OP20683	SU112

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49416-1, F49416-2, F49416-3, F49416-4, F49416-5, F49416-6, F49416-7, F49416-8, F49416-9

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	84%	42-108%
4165-60-0	Nitrobenzene-d5	73%	40-105%
321-60-8	2-Fluorobiphenyl	71%	43-107%
1718-51-0	Terphenyl-d14	85%	45-119%

Method Blank Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20683-MB	R08109.D	1	05/25/07	NJ	05/22/07	OP20683	SR385

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49416-1, F49416-2, F49416-3, F49416-4, F49416-5, F49416-6, F49416-7, F49416-8, F49416-9

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	830	330	ug/kg	
95-57-8	2-Chlorophenol	ND	170	33	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	33	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	33	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	830	330	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	330	67	ug/kg	
95-48-7	2-Methylphenol	ND	170	33	ug/kg	
	3&4-Methylphenol	ND	170	33	ug/kg	
88-75-5	2-Nitrophenol	ND	170	33	ug/kg	
100-02-7	4-Nitrophenol	ND	830	330	ug/kg	
87-86-5	Pentachlorophenol	ND	830	330	ug/kg	
108-95-2	Phenol	ND	170	33	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	33	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	33	ug/kg	
83-32-9	Acenaphthene	ND	170	33	ug/kg	
208-96-8	Acenaphthylene	ND	170	33	ug/kg	
120-12-7	Anthracene	ND	170	33	ug/kg	
92-87-5	Benzidine	ND	1700	830	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	33	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	33	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	33	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	67	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	33	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	33	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	330	83	ug/kg	
100-51-6	Benzyl Alcohol	ND	170	33	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	33	ug/kg	
106-47-8	4-Chloroaniline	ND	330	130	ug/kg	
218-01-9	Chrysene	ND	170	33	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	33	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	67	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	170	33	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	33	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	33	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	170	33	ug/kg	

Method Blank Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20683-MB	R08109.D	1	05/25/07	NJ	05/22/07	OP20683	SR385

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49416-1, F49416-2, F49416-3, F49416-4, F49416-5, F49416-6, F49416-7, F49416-8, F49416-9

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	170	33	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	67	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	67	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	330	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	67	ug/kg	
132-64-9	Dibenzofuran	ND	170	33	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	330	83	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	330	170	ug/kg	
84-66-2	Diethyl phthalate	ND	330	83	ug/kg	
131-11-3	Dimethyl phthalate	ND	330	83	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	170	ug/kg	
206-44-0	Fluoranthene	ND	170	33	ug/kg	
86-73-7	Fluorene	ND	170	33	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	33	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	67	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	67	ug/kg	
67-72-1	Hexachloroethane	ND	170	67	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	67	ug/kg	
78-59-1	Isophorone	ND	170	33	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	33	ug/kg	
88-74-4	2-Nitroaniline	ND	330	83	ug/kg	
99-09-2	3-Nitroaniline	ND	330	83	ug/kg	
100-01-6	4-Nitroaniline	ND	330	120	ug/kg	
91-20-3	Naphthalene	ND	170	33	ug/kg	
98-95-3	Nitrobenzene	ND	170	33	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	67	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	33	ug/kg	
85-01-8	Phenanthrene	ND	170	33	ug/kg	
129-00-0	Pyrene	ND	170	67	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	33	ug/kg	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	64%	40-102%
4165-62-2	Phenol-d5	65%	41-100%

Method Blank Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20683-MB	R08109.D	1	05/25/07	NJ	05/22/07	OP20683	SR385

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49416-1, F49416-2, F49416-3, F49416-4, F49416-5, F49416-6, F49416-7, F49416-8, F49416-9

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	75%	42-108%
4165-60-0	Nitrobenzene-d5	76%	40-105%
321-60-8	2-Fluorobiphenyl	69%	43-107%
1718-51-0	Terphenyl-d14	84%	45-119%

Blank Spike Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20683-BS	U002227.D	1	05/24/07	NJ	05/22/07	OP20683	SU112

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49416-1, F49416-2, F49416-3, F49416-4, F49416-5, F49416-6, F49416-7, F49416-8, F49416-9

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
65-85-0	Benzoic acid	3330	2490	75	44-116
95-57-8	2-Chlorophenol	1670	1190	71	54-97
59-50-7	4-Chloro-3-methyl phenol	1670	1310	79	59-102
120-83-2	2,4-Dichlorophenol	1670	1320	79	60-101
105-67-9	2,4-Dimethylphenol	1670	1180	71	49-89
51-28-5	2,4-Dinitrophenol	3330	2400	72	39-107
534-52-1	4,6-Dinitro-o-cresol	3330	2640	79	58-109
95-48-7	2-Methylphenol	1670	1170	70	53-94
	3&4-Methylphenol	3330	2380	71	54-95
88-75-5	2-Nitrophenol	1670	1240	74	55-96
100-02-7	4-Nitrophenol	3330	2640	79	56-106
87-86-5	Pentachlorophenol	3330	2530	76	50-115
108-95-2	Phenol	1670	1200	72	55-99
95-95-4	2,4,5-Trichlorophenol	1670	1300	78	60-101
88-06-2	2,4,6-Trichlorophenol	1670	1280	77	60-100
83-32-9	Acenaphthene	1670	1260	76	59-97
208-96-8	Acenaphthylene	1670	1260	76	58-98
120-12-7	Anthracene	1670	1310	79	61-104
56-55-3	Benzo(a)anthracene	1670	1290	77	60-106
50-32-8	Benzo(a)pyrene	1670	1290	77	59-102
205-99-2	Benzo(b)fluoranthene	1670	1270	76	60-107
191-24-2	Benzo(g,h,i)perylene	1670	1220	73	56-103
207-08-9	Benzo(k)fluoranthene	1670	1330	80	61-107
101-55-3	4-Bromophenyl phenyl ether	1670	1290	77	60-104
85-68-7	Butyl benzyl phthalate	1670	1190	71	57-110
100-51-6	Benzyl Alcohol	1670	1180	71	51-102
91-58-7	2-Chloronaphthalene	1670	1200	72	57-95
106-47-8	4-Chloroaniline	1670	986	59	19-85
218-01-9	Chrysene	1670	1290	77	60-107
111-91-1	bis(2-Chloroethoxy)methane	1670	1060	64	51-89
111-44-4	bis(2-Chloroethyl)ether	1670	1050	63	50-96
108-60-1	bis(2-Chloroisopropyl)ether	1670	884	53	44-94
7005-72-3	4-Chlorophenyl phenyl ether	1670	1240	74	60-101
95-50-1	1,2-Dichlorobenzene	1670	1070	64	47-91
541-73-1	1,3-Dichlorobenzene	1670	1010	61	45-86
106-46-7	1,4-Dichlorobenzene	1670	1010	61	45-88

Blank Spike Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20683-BS	U002227.D	1	05/24/07	NJ	05/22/07	OP20683	SU112

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49416-1, F49416-2, F49416-3, F49416-4, F49416-5, F49416-6, F49416-7, F49416-8, F49416-9

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
121-14-2	2,4-Dinitrotoluene	1670	1290	77	59-103
606-20-2	2,6-Dinitrotoluene	1670	1220	73	57-99
91-94-1	3,3'-Dichlorobenzidine	1670	972	58	34-88
53-70-3	Dibenzo(a,h)anthracene	1670	1180	71	57-105
132-64-9	Dibenzofuran	1670	1260	76	58-103
84-74-2	Di-n-butyl phthalate	1670	1250	75	59-105
117-84-0	Di-n-octyl phthalate	1670	1130	68	59-117
84-66-2	Diethyl phthalate	1670	1270	76	59-106
131-11-3	Dimethyl phthalate	1670	1250	75	60-100
117-81-7	bis(2-Ethylhexyl)phthalate	1670	1130	68	57-111
206-44-0	Fluoranthene	1670	1300	78	60-110
86-73-7	Fluorene	1670	1280	77	60-99
118-74-1	Hexachlorobenzene	1670	1290	77	58-103
87-68-3	Hexachlorobutadiene	1670	1190	71	49-95
77-47-4	Hexachlorocyclopentadiene	1670	1060	64	36-94
67-72-1	Hexachloroethane	1670	1000	60	44-89
193-39-5	Indeno(1,2,3-cd)pyrene	1670	1220	73	57-104
78-59-1	Isophorone	1670	1180	71	58-97
91-57-6	2-Methylnaphthalene	1670	1250	75	57-103
88-74-4	2-Nitroaniline	1670	1280	77	53-106
99-09-2	3-Nitroaniline	1670	990	59	29-85
100-01-6	4-Nitroaniline	1670	1250	75	49-104
91-20-3	Naphthalene	1670	1140	68	54-93
98-95-3	Nitrobenzene	1670	1100	66	53-92
621-64-7	N-Nitroso-di-n-propylamine	1670	1070	64	49-94
86-30-6	N-Nitrosodiphenylamine	1670	1270	76	53-107
85-01-8	Phenanthrene	1670	1280	77	61-103
129-00-0	Pyrene	1670	1320	79	58-109
120-82-1	1,2,4-Trichlorobenzene	1670	1160	70	52-93

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	72%	40-102%
4165-62-2	Phenol-d5	75%	41-100%
118-79-6	2,4,6-Tribromophenol	78%	42-108%

Blank Spike Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20683-BS	U002227.D	1	05/24/07	NJ	05/22/07	OP20683	SU112

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49416-1, F49416-2, F49416-3, F49416-4, F49416-5, F49416-6, F49416-7, F49416-8, F49416-9

CAS No.	Surrogate Recoveries	BSP	Limits
4165-60-0	Nitrobenzene-d5	68%	40-105%
321-60-8	2-Fluorobiphenyl	69%	43-107%
1718-51-0	Terphenyl-d14	74%	45-119%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20683-MS	U002245.D	1	05/24/07	NJ	05/22/07	OP20683	SU112
OP20683-MSD	U002246.D	1	05/24/07	NJ	05/22/07	OP20683	SU112
F49463-4	U002244.D	1	05/24/07	NJ	05/22/07	OP20683	SU112

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49416-1, F49416-2, F49416-3, F49416-4, F49416-5, F49416-6, F49416-7, F49416-8, F49416-9

CAS No.	Compound	F49463-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic acid	ND		3760	2330	62	2470	66	6	44-116/36
95-57-8	2-Chlorophenol	ND		1880	1330	71	1140	61	15	54-97/31
59-50-7	4-Chloro-3-methyl phenol	ND		1880	1490	79	1500	80	1	59-102/27
120-83-2	2,4-Dichlorophenol	ND		1880	1480	79	1370	73	8	60-101/30
105-67-9	2,4-Dimethylphenol	ND		1880	1260	67	1210	65	4	49-89/31
51-28-5	2,4-Dinitrophenol	ND		3760	1490	40	1620	43	8	39-107/40
534-52-1	4,6-Dinitro-o-cresol	ND		3760	2340	62	2620	70	11	58-109/37
95-48-7	2-Methylphenol	ND		1880	1380	73	1270	68	8	53-94/29
	3&4-Methylphenol	ND		3760	2670	71	2510	67	6	54-95/31
88-75-5	2-Nitrophenol	ND		1880	1370	73	1240	66	10	55-96/30
100-02-7	4-Nitrophenol	ND		3760	2470	66	2580	69	4	56-106/29
87-86-5	Pentachlorophenol	ND		3760	2510	67	2770	74	10	50-115/33
108-95-2	Phenol	ND		1880	1410	75	1260	67	11	55-99/28
95-95-4	2,4,5-Trichlorophenol	ND		1880	1440	77	1530	82	6	60-101/28
88-06-2	2,4,6-Trichlorophenol	ND		1880	1410	75	1450	78	3	60-100/27
83-32-9	Acenaphthene	ND		1880	1390	74	1390	74	0	59-97/29
208-96-8	Acenaphthylene	ND		1880	1390	74	1410	75	1	58-98/30
120-12-7	Anthracene	ND		1880	1470	78	1520	81	3	61-104/29
92-87-5	Benzidine	ND		1880	ND	0*	ND	0*	nc	10-151/50
56-55-3	Benzo(a)anthracene	ND		1880	1470	78	1530	82	4	60-106/31
50-32-8	Benzo(a)pyrene	ND		1880	1460	78	1510	81	3	59-102/32
205-99-2	Benzo(b)fluoranthene	ND		1880	1470	78	1500	80	2	60-107/31
191-24-2	Benzo(g,h,i)perylene	ND		1880	1370	73	1440	77	5	56-103/32
207-08-9	Benzo(k)fluoranthene	ND		1880	1460	78	1490	80	2	61-107/30
101-55-3	4-Bromophenyl phenyl ether	ND		1880	1430	76	1440	77	1	60-104/26
85-68-7	Butyl benzyl phthalate	ND		1880	1400	74	1410	75	1	57-110/28
100-51-6	Benzyl Alcohol	ND		1880	1330	71	1180	63	12	51-102/34
91-58-7	2-Chloronaphthalene	ND		1880	1310	70	1300	70	1	57-95/28
106-47-8	4-Chloroaniline	ND		1880	1160	62	1260	67	8	19-85/34
218-01-9	Chrysene	ND		1880	1450	77	1510	81	4	60-107/31
111-91-1	bis(2-Chloroethoxy)methane	ND		1880	1180	63	1080	58	9	51-89/30
111-44-4	bis(2-Chloroethyl)ether	ND		1880	1160	62	943	50	21	50-96/33
108-60-1	bis(2-Chloroisopropyl)ether	ND		1880	975	52	832	45	16	44-94/32
7005-72-3	4-Chlorophenyl phenyl ether	ND		1880	1380	73	1410	75	2	60-101/26
95-50-1	1,2-Dichlorobenzene	ND		1880	1050	56	872	47	19	47-91/35
541-73-1	1,3-Dichlorobenzene	ND		1880	967	51	793	42*	20	45-86/36

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20683-MS	U002245.D	1	05/24/07	NJ	05/22/07	OP20683	SU112
OP20683-MSD	U002246.D	1	05/24/07	NJ	05/22/07	OP20683	SU112
F49463-4	U002244.D	1	05/24/07	NJ	05/22/07	OP20683	SU112

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49416-1, F49416-2, F49416-3, F49416-4, F49416-5, F49416-6, F49416-7, F49416-8, F49416-9

CAS No.	Compound	F49463-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
106-46-7	1,4-Dichlorobenzene	ND		1880	981	52	815	44*	18	45-88/36
121-14-2	2,4-Dinitrotoluene	ND		1880	1450	77	1510	81	4	59-103/30
606-20-2	2,6-Dinitrotoluene	ND		1880	1360	72	1400	75	3	57-99/30
91-94-1	3,3'-Dichlorobenzidine	ND		1880	1220	65	1420	76	15	34-88/31
53-70-3	Dibenzo(a,h)anthracene	ND		1880	1390	74	1460	78	5	57-105/29
132-64-9	Dibenzofuran	ND		1880	1400	74	1420	76	1	58-103/27
84-74-2	Di-n-butyl phthalate	ND		1880	1430	76	1460	78	2	59-105/27
117-84-0	Di-n-octyl phthalate	ND		1880	1380	73	1370	73	1	59-117/28
84-66-2	Diethyl phthalate	ND		1880	1430	76	1470	79	3	59-106/27
131-11-3	Dimethyl phthalate	ND		1880	1400	74	1440	77	3	60-100/26
117-81-7	bis(2-Ethylhexyl)phthalate	ND		1880	1330	71	1340	72	1	57-111/29
206-44-0	Fluoranthene	ND		1880	1500	80	1560	83	4	60-110/32
86-73-7	Fluorene	ND		1880	1430	76	1460	78	2	60-99/30
118-74-1	Hexachlorobenzene	ND		1880	1410	75	1450	78	3	58-103/27
87-68-3	Hexachlorobutadiene	ND		1880	1170	62	1010	54	15	49-95/33
77-47-4	Hexachlorocyclopentadiene	ND		1880	1060	56	944	50	12	36-94/41
67-72-1	Hexachloroethane	ND		1880	951	51	787	42*	19	44-89/38
193-39-5	Indeno(1,2,3-cd)pyrene	ND		1880	1440	77	1510	81	5	57-104/33
78-59-1	Isophorone	ND		1880	1310	70	1230	66	6	58-97/30
91-57-6	2-Methylnaphthalene	ND		1880	1360	72	1280	68	6	57-103/32
88-74-4	2-Nitroaniline	ND		1880	1500	80	1560	83	4	53-106/29
99-09-2	3-Nitroaniline	ND		1880	1210	64	1420	76	16	29-85/31
100-01-6	4-Nitroaniline	ND		1880	1490	79	1580	85	6	49-104/31
91-20-3	Naphthalene	ND		1880	1220	65	1080	58	12	54-93/32
98-95-3	Nitrobenzene	ND		1880	1220	65	1090	58	11	53-92/32
621-64-7	N-Nitroso-di-n-propylamine	ND		1880	1210	64	1100	59	10	49-94/28
86-30-6	N-Nitrosodiphenylamine	ND		1880	1420	75	1450	78	2	53-107/28
85-01-8	Phenanthrene	ND		1880	1430	76	1480	79	3	61-103/32
129-00-0	Pyrene	ND		1880	1470	78	1500	80	2	58-109/33
120-82-1	1,2,4-Trichlorobenzene	ND		1880	1190	63	1040	56	13	52-93/32

CAS No.	Surrogate Recoveries	MS	MSD	F49463-4	Limits
367-12-4	2-Fluorophenol	74%	62%	62%	40-102%
4165-62-2	Phenol-d5	79%	71%	64%	41-100%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20683-MS	U002245.D	1	05/24/07	NJ	05/22/07	OP20683	SU112
OP20683-MSD	U002246.D	1	05/24/07	NJ	05/22/07	OP20683	SU112
F49463-4	U002244.D	1	05/24/07	NJ	05/22/07	OP20683	SU112

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49416-1, F49416-2, F49416-3, F49416-4, F49416-5, F49416-6, F49416-7, F49416-8, F49416-9

CAS No.	Surrogate Recoveries	MS	MSD	F49463-4	Limits
118-79-6	2,4,6-Tribromophenol	79%	82%	70%	42-108%
4165-60-0	Nitrobenzene-d5	71%	61%	61%	40-105%
321-60-8	2-Fluorobiphenyl	70%	68%	61%	43-107%
1718-51-0	Terphenyl-d14	76%	77%	75%	45-119%

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3194-MB	CD077045.D	1	05/16/07	MM	n/a	n/a	GCD3194

The QC reported here applies to the following samples: **Method:** SW846 8015

F49416-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	78%	56-136%
98-08-8	aaa-Trifluorotoluene	78%	61-121%

Method Blank Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3195-MB	CD077074.D	1	05/16/07	MM	n/a	n/a	GCD3195

The QC reported here applies to the following samples: **Method:** SW846 8015

F49416-3, F49416-7, F49416-8, F49416-9

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	82%	56-136%
98-08-8	aaa-Trifluorotoluene	83%	61-121%

Method Blank Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3197-MB	CD077101.D	1	05/17/07	MM	n/a	n/a	GCD3197

The QC reported here applies to the following samples: **Method:** SW846 8015

F49416-1, F49416-5, F49416-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	82%	56-136%
98-08-8	aaa-Trifluorotoluene	85%	61-121%

Method Blank Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3196-MB	CD077092.D	1	05/17/07	MM	n/a	n/a	GCD3196

The QC reported here applies to the following samples: **Method:** SW846 8015

F49416-4

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	81%	60-140%
98-08-8	aaa-Trifluorotoluene	84%	60-140%

Blank Spike Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3194-BS	CD077044.D	1	05/16/07	MM	n/a	n/a	GCD3194

The QC reported here applies to the following samples: **Method:** SW846 8015

F49416-2

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	20.1	101	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	89%	56-136%
98-08-8	aaa-Trifluorotoluene	95%	61-121%

Blank Spike Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3195-BS	CD077073.D	1	05/16/07	MM	n/a	n/a	GCD3195

The QC reported here applies to the following samples: **Method:** SW846 8015

F49416-3, F49416-7, F49416-8, F49416-9

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	18.0	90	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	92%	56-136%
98-08-8	aaa-Trifluorotoluene	93%	61-121%

Blank Spike Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3197-BS	CD077100.D	1	05/17/07	MM	n/a	n/a	GCD3197

The QC reported here applies to the following samples: **Method:** SW846 8015

F49416-1, F49416-5, F49416-6

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	20.8	104	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	88%	56-136%
98-08-8	aaa-Trifluorotoluene	84%	61-121%

Blank Spike Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3196-BS	CD077093.D	1	05/17/07	MM	n/a	n/a	GCD3196

The QC reported here applies to the following samples: **Method:** SW846 8015

F49416-4

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	19.8	99	57-146

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	92%	60-140%
98-08-8	aaa-Trifluorotoluene	94%	60-140%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49416-2MS	CD077070.D	1	05/16/07	MM	n/a	n/a	GCD3194
F49416-2MSD	CD077071.D	1	05/16/07	MM	n/a	n/a	GCD3194
F49416-2	CD077069.D	1	05/16/07	MM	n/a	n/a	GCD3194

The QC reported here applies to the following samples: **Method:** SW846 8015

F49416-2

CAS No.	Compound	F49416-2 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		33.3	31.0	93	32.5	98	5	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F49416-2	Limits
460-00-4	4-Bromofluorobenzene	94%	104%	86%	56-136%
98-08-8	aaa-Trifluorotoluene	91%	94%	89%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49416-3MS	CD077085.D	1	05/17/07	MM	n/a	n/a	GCD3195
F49416-3MSD	CD077086.D	1	05/17/07	MM	n/a	n/a	GCD3195
F49416-3	CD077075.D	1	05/16/07	MM	n/a	n/a	GCD3195

The QC reported here applies to the following samples: **Method:** SW846 8015

F49416-3, F49416-7, F49416-8, F49416-9

CAS No.	Compound	F49416-3 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		29.5	27.1	92	27.4	93	1	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F49416-3	Limits
460-00-4	4-Bromofluorobenzene	90%	96%	79%	56-136%
98-08-8	aaa-Trifluorotoluene	100%	95%	81%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49416-5MS	CD077114.D	1	05/17/07	MM	n/a	n/a	GCD3197
F49416-5MSD	CD077115.D	1	05/17/07	MM	n/a	n/a	GCD3197
F49416-5	CD077104.D	1	05/17/07	MM	n/a	n/a	GCD3197

The QC reported here applies to the following samples: **Method:** SW846 8015

F49416-1, F49416-5, F49416-6

CAS No.	Compound	F49416-5 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		28.4	27.8	98	29.8	105	7	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F49416-5	Limits
460-00-4	4-Bromofluorobenzene	113%	107%	100%	56-136%
98-08-8	aaa-Trifluorotoluene	108%	108%	82%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49251-3MS	CD077095.D	1	05/17/07	MM	n/a	n/a	GCD3196
F49251-3MSD	CD077096.D	1	05/17/07	MM	n/a	n/a	GCD3196

The QC reported here applies to the following samples: **Method:** SW846 8015

F49416-4

CAS No.	Compound	mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)			22.9	22.4	98	21.4	93	5	57-146/50

CAS No.	Surrogate Recoveries	MS	MSD	Limits
460-00-4	4-Bromofluorobenzene	88%	85%	60-140%
98-08-8	aaa-Trifluorotoluene	94%	96%	60-140%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20690-MB	YY02495.D	1	05/23/07	MG	05/22/07	OP20690	GYY97

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F49416-1, F49416-2, F49416-3, F49416-4, F49416-5, F49416-6, F49416-7, F49416-8, F49416-9

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	79%	49-108%

Method Blank Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20690-MB	YY02520.D	1	05/24/07	MG	05/22/07	OP20690	GYY98

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F49416-1, F49416-2, F49416-3, F49416-4, F49416-5, F49416-6, F49416-7, F49416-8, F49416-9

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	80%	49-108%

Blank Spike Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20690-BS	YY02494.D	1	05/23/07	MG	05/22/07	OP20690	GYY97

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F49416-1, F49416-2, F49416-3, F49416-4, F49416-5, F49416-6, F49416-7, F49416-8, F49416-9

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	28.6	86	64-102
	TPH (> C22-C36)	33.3	30.7	92	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	85%	49-108%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49416
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20690-MS	YY02506.D	1	05/23/07	MG	05/22/07	OP20690	GYY97
OP20690-MSD	YY02507.D	1	05/23/07	MG	05/22/07	OP20690	GYY97
F49463-4	YY02503.D	1	05/23/07	MG	05/22/07	OP20690	GYY97

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F49416-1, F49416-2, F49416-3, F49416-4, F49416-5, F49416-6, F49416-7, F49416-8, F49416-9

CAS No.	Compound	F49463-4 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		36.3	31.3	86	29.3	77	7	64-102/32
	TPH (> C22-C36)	ND		36.3	35.6	98	34.4	91	3	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F49463-4	Limits
84-15-1	o-Terphenyl	89%	82%	78%	49-108%

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F49416
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11969 Methods: SW846 7471A
Matrix Type: SOLID Units: mg/kg

Prep Date: 05/14/07

Metal	RL	IDL	MB raw	final
Mercury	0.083	.0067	0.00092	<0.083

Associated samples MP11969: F49416-1, F49416-2, F49416-3, F49416-4, F49416-5, F49416-6, F49416-7, F49416-8, F49416-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F49416
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11969
Matrix Type: SOLID

Methods: SW846 7471A
Units: mg/kg

Prep Date:			05/14/07					05/14/07	
Metal	F49463-4 Original	DUP	RPD	QC Limits	F49463-4 Original	MS	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.0	0.0	NC	0-20	0.0	0.25	0.277	90.3	80-120

Associated samples MP11969: F49416-1, F49416-2, F49416-3, F49416-4, F49416-5, F49416-6, F49416-7, F49416-8, F49416-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F49416
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11969 Methods: SW846 7471A
Matrix Type: SOLID Units: mg/kg

Prep Date: 05/14/07

Metal	F49463-4 Original	MSD	Spikelot HGFLWS1	% Rec	MSD RPD	QC Limit
Mercury	0.0	0.26	0.277	93.9	3.9	20

Associated samples MP11969: F49416-1, F49416-2, F49416-3, F49416-4, F49416-5, F49416-6, F49416-7, F49416-8, F49416-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F49416
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11969
Matrix Type: SOLID

Methods: SW846 7471A
Units: mg/kg

Prep Date: 05/14/07

Metal	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.26	0.25	104.0	80-120

Associated samples MP11969: F49416-1, F49416-2, F49416-3, F49416-4, F49416-5, F49416-6, F49416-7, F49416-8, F49416-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: F49416
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11969 Methods: SW846 7471A
Matrix Type: SOLID Units: ug/l

Prep Date: 05/14/07

Metal	F49463-4 Original	SDL 1:5	RPD	QC Limits
Mercury	0.00	0.00	NC	0-10

Associated samples MP11969: F49416-1, F49416-2, F49416-3, F49416-4, F49416-5, F49416-6, F49416-7, F49416-8, F49416-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F49416
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12021
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 05/18/07

Metal	RL	IDL	MB raw	final
Aluminum	10	.9		
Antimony	3.0	.17		
Arsenic	0.40	.14	-0.096	<0.40
Barium	10	.25	0.0075	<10
Beryllium	0.25	.05		
Cadmium	0.20	.05	0.0070	<0.20
Calcium	250	2.1		
Chromium	0.50	.03	-0.0010	<0.50
Cobalt	2.5	.05		
Copper	1.3	.045	anr	
Iron	5.0	.6		
Lead	5.0	.085	0.19	<5.0
Magnesium	250	.22		
Manganese	0.75	.03		
Molybdenum	2.5	.065		
Nickel	2.0	.05		
Potassium	500	.5		
Selenium	5.0	.1	-0.064	<5.0
Silver	0.50	.045	-0.011	<0.50
Sodium	500	25		
Thallium	0.50	.12		
Tin	2.5	.16		
Vanadium	2.5	.03		
Zinc	1.0	.065		

Associated samples MP12021: F49416-1, F49416-2, F49416-3, F49416-4, F49416-5, F49416-6, F49416-7, F49416-8, F49416-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F49416
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12021
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date:			05/18/07					05/18/07	
Metal	F49416-1 Original	DUP	RPD	QC Limits	F49416-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic	1.2	1.0	18.2	0-20	1.2	109	123	87.6	80-120
Barium	135	121	10.9	0-20	135	236	123	82.1	80-120
Beryllium									
Cadmium	0.33	0.32	3.1	0-20	0.33	3.0	3.08	86.8	80-120
Calcium									
Chromium	7.6	7.3	4.0	0-20	7.6	18.0	12.3	84.6	80-120
Cobalt									
Copper	anr								
Iron									
Lead	2.6	2.9	10.9	0-20	2.6	30.2	30.8	89.8	80-120
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	0.0	0.0	NC	0-20	0.0	111	123	90.2	80-120
Silver	0.0	0.0	NC	0-20	0.0	3.1	3.08	100.8	80-120
Sodium									
Thallium									
Tin									
Vanadium									
Zinc									

Associated samples MP12021: F49416-1, F49416-2, F49416-3, F49416-4, F49416-5, F49416-6, F49416-7, F49416-8, F49416-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F49416
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12021 Methods: SW846 6010B
Matrix Type: SOLID Units: mg/kg

Prep Date: 05/18/07

Metal	F49416-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	1.2	105	118	87.8	3.7	20
Barium	135	231	118	81.2	2.1	20
Beryllium						
Cadmium	0.33	2.9	2.96	86.9	3.4	20
Calcium						
Chromium	7.6	17.5	11.8	83.7	2.8	20
Cobalt						
Copper	anr					
Iron						
Lead	2.6	29.1	29.6	89.6	3.7	20
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium	0.0	107	118	90.5	3.7	20
Silver	0.0	2.9	2.96	98.1	6.7	20
Sodium						
Thallium						
Tin						
Vanadium						
Zinc						

Associated samples MP12021: F49416-1, F49416-2, F49416-3, F49416-4, F49416-5, F49416-6, F49416-7, F49416-8, F49416-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F49416
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12021
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 05/18/07

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	90.7	98	92.5	80-120
Barium	99.0	98	101.0	80-120
Beryllium				
Cadmium	2.5	2.45	102.0	80-120
Calcium				
Chromium	9.9	9.8	101.0	80-120
Cobalt				
Copper	anr			
Iron				
Lead	23.3	24.5	95.1	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	85.7	98	87.4	80-120
Silver	2.2	2.45	89.8	80-120
Sodium				
Thallium				
Tin				
Vanadium				
Zinc				

Associated samples MP12021: F49416-1, F49416-2, F49416-3, F49416-4, F49416-5, F49416-6, F49416-7, F49416-8, F49416-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: F49416
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12021
Matrix Type: SOLID

Methods: SW846 6010B
Units: ug/l

Prep Date: 05/18/07

Metal	F49416-1 Original	SDL 1:5	RPD	QC Limits
Aluminum				
Antimony				
Arsenic	19.0	0.00	100.0(a)	0-10
Barium	2200	2230	1.4	0-10
Beryllium				
Cadmium	5.43	0.00	100.0(a)	0-10
Calcium				
Chromium	123	136	10.1*(b)	0-10
Cobalt				
Copper	anr			
Iron				
Lead	42.8	42.4	0.9	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	0.00	0.00	NC	0-10
Silver	0.00	0.00	NC	0-10
Sodium				
Thallium				
Tin				
Vanadium				
Zinc				

Associated samples MP12021: F49416-1, F49416-2, F49416-3, F49416-4, F49416-5, F49416-6, F49416-7, F49416-8, F49416-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
(b) Serial dilution indicates possible matrix interference.

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

10/29/08

Technical Report for

Bhate Environmental Associates, Inc.

HOLMN

PROJECT # 9050361.01.02

Accutest Job Number: F49425

Sampling Date: 05/09/07

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **128**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Note: This report is password protected to disallow document modification or assembly.
A password to unlock this report is available from your client service representative.

Sections: 1 2 3 4 5 6 7 8 9 10

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F49425-1: SS61-MW-29-05 7
3.2: F49425-2: SS61-MW-09 17
3.3: F49425-3: SS61-MW-08 27
3.4: F49425-4: SS61-MW-29-02 37
3.5: F49425-5: SS61-MW-29-04 47
3.6: F49425-6: SS61-MW-29-03 57
3.7: F49425-7: SS61-TRIP BLANK 67
Section 4: Misc. Forms **70**
4.1: Chain of Custody 71
Section 5: GC/MS Volatiles - QC Data Summaries **73**
5.1: Method Blank Summary 74
5.2: Blank Spike Summary 80
5.3: Matrix Spike/Matrix Spike Duplicate Summary 86
Section 6: GC/MS Semi-volatiles - QC Data Summaries **92**
6.1: Method Blank Summary 93
6.2: Blank Spike Summary 99
6.3: Matrix Spike/Matrix Spike Duplicate Summary 102
Section 7: GC Volatiles - QC Data Summaries **105**
7.1: Method Blank Summary 106
7.2: Blank Spike Summary 107
7.3: Matrix Spike/Matrix Spike Duplicate Summary 108
Section 8: GC Semi-volatiles - QC Data Summaries **109**
8.1: Method Blank Summary 110
8.2: Blank Spike Summary 113
8.3: Matrix Spike/Matrix Spike Duplicate Summary 114
Section 9: Metals Analysis - QC Data Summaries **115**
9.1: Prep QC MP11950: Hg 116
9.2: Prep QC MP12011: As,Ba,Cd,Cr,Pb,Se,Ag 121
Section 10: General Chemistry - QC Data Summaries **126**
10.1: Method Blank and Spike Results Summary 127
10.2: Duplicate Results Summary 128

Sample Summary

Bhate Environmental Associates, Inc.

Job No: F49425

HOLMN
Project No: PROJECT # 9050361.01.02

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F49425-1	05/09/07	13:10	BW	05/10/07	AQ	Ground Water	SS61-MW-29-05
F49425-2	05/09/07	11:50	BW	05/10/07	AQ	Ground Water	SS61-MW-09
F49425-3	05/09/07	13:50	BW	05/10/07	AQ	Ground Water	SS61-MW-08
F49425-4	05/09/07	12:50	BW	05/10/07	AQ	Ground Water	SS61-MW-29-02
F49425-5	05/09/07	09:00	BW	05/10/07	AQ	Ground Water	SS61-MW-29-04
F49425-6	05/09/07	11:50	BW	05/10/07	AQ	Ground Water	SS61-MW-29-03
F49425-7	05/09/07	00:00	BW	05/10/07	AQ	Trip Blank Water	SS61-TRIP BLANK

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Bhate Environmental Associates, Inc. **Job No:** F49425

Site: HOLMN **Report Date** 5/30/2007 12:15:45

6 Samples, 1 Trip Blank were collected on 05/09/2007 and received at Accutest on 05/10/2007 properly preserved, at 2.2 Deg. C and intact. These Samples received an Accutest job number of F49425. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VJ2127

All samples were analyzed within the recommended method holding time.

Sample(s) F49469-1MS, F49469-1MSD were used as the QC samples indicated.

Sample(s) F49425-4 have compound(s) reported with a “B” qualifier, indicating analyte is found in the associated method blank.

Blank Spike Recovery(s) for Dichlorodifluoromethane are outside control limits. Biased high, not detected in the samples, data integrity not adversely affectded.

MS/MSD Recovery(s) for 2-Chloroethyl vinyl ether, Trichlorofluoromethane are outside control limits. Probable cause due to matrix interference.

Matrix: AQ **Batch ID:** VJ2131

Sample(s) F49466-1MS, F49466-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for 1,1-Dichloropropene, Bromochloromethane, Methyl Tert Butyl Ether are outside control limits. Biased high, not detected in the samples. Data integrity not adversely affected.

Matrix Spike Recovery(s) for 2-Chloroethyl vinyl ether, Acrolein, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 2-Chloroethyl vinyl ether, Acrolein, Dichlorodifluoromethane are outside control limits. Probable cause due to matrix interference. See Blank Spike.

RPD(s) for MSD for 2-Chloroethyl vinyl ether are outside control limits for sample F49466-1MSD. Probable cause due to sample homogeneity.

Extractables by GCMS By Method SW846 8270C

Matrix: AQ **Batch ID:** OP20601

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49469-1MS, F49469-1MSD were used as the QC samples indicated.

MS and/or MSD Recovery(s) for 3,3'-Dichlorobenzidine, Benzidine are outside control limits. Probable cause due to matrix interference.

Sample(s) OP20601-MSD have surrogates outside control limits. Probable cause due to matrix interference.

Volatiles by GC By Method SW846 8015

Matrix: AQ **Batch ID:** GHH1152

All samples were analyzed within the recommended method holding time.

Sample(s) F49350-2MS, F49350-2MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Matrix Spike Recovery(s) for TPH-GRO (C6-C10) are outside control limits. Probable cause due to matrix interference.

F49425-5: Sample was not preserved to a pH < 2; reported results are considered minimum values.

Extractables by GC By Method SW846 8015 M

Matrix: AQ **Batch ID:** OP20593

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F49469-1MS, F49469-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Metals By Method SW846 6010B

Matrix: AQ **Batch ID:** MP12011

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49425-1DUP, F49425-1MS, F49425-1MSD, F49425-1SDL were used as the QC samples for metals.

Matrix Spike Recovery(s) for Silver are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

RPD(s) for Duplicate for Lead are outside control limits for sample MP12011-D1. RPD acceptable due to low duplicate and sample concentrations.

RPD(s) for Serial Dilution for Arsenic, Barium, Chromium are outside control limits for sample MP12011-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

F49425-6 for Lead: Elevated RL/MDL due to CRIA exceeding acceptance criteria.

F49425-1 for Lead: Elevated RL/MDL due to CRIA exceeding acceptance criteria.

F49425-2 for Lead: Elevated RL/MDL due to CRIA exceeding acceptance criteria.

F49425-3 for Lead: Elevated RL/MDL due to CRIA exceeding acceptance criteria.

F49425-4 for Lead: Elevated RL/MDL due to CRIA exceeding acceptance criteria.

F49425-5 for Selenium: Elevated reporting limit(s) due to matrix interference.

F49425-5 for Lead: Elevated RL/MDL due to CRIA exceeding acceptance criteria.

Metals By Method SW846 7470A

Matrix: AQ **Batch ID:** MP11950

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49370-1DUP, F49370-1MS, F49370-1MSD, F49370-1SDL were used as the QC samples for metals.

Wet Chemistry By Method EPA 160.1

Matrix: AQ **Batch ID:** GN25431

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49469-1DUP were used as the QC samples for Solids, Total Dissolved.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: May 30, 2007

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-MW-29-05		
Lab Sample ID:	F49425-1	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J029823.D	1	05/21/07	SH	n/a	n/a	VJ2127
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
75-05-8	Acetonitrile	ND	20	10	ug/l	
107-02-8	Acrolein	ND	20	10	ug/l	
107-13-1	Acrylonitrile	ND	10	5.0	ug/l	
107-05-1	Allyl chloride	ND	10	5.0	ug/l	
71-43-2	Benzene	1.7	1.0	0.50	ug/l	
100-44-7	Benzyl Chloride	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	0.72	1.0	0.50	ug/l	J
98-06-6	tert-Butylbenzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	1.0	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	50.0	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-29-05		
Lab Sample ID:	F49425-1	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	0.64	1.0	0.50	ug/l	J
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	2.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
110-54-3	Hexane	ND	2.0	1.0	ug/l	
98-82-8	Isopropylbenzene	1.4	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
126-98-7	Methacrylonitrile	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
74-88-4	Methyl iodide	ND	5.0	2.5	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	2.5	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	5.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-29-05		
Lab Sample ID:	F49425-1	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	4.9	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	10	5.0	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		87-116%
17060-07-0	1,2-Dichloroethane-D4	107%		76-127%
2037-26-5	Toluene-D8	96%		86-112%
460-00-4	4-Bromofluorobenzene	108%		84-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-29-05		
Lab Sample ID:	F49425-1	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U002207.D	1	05/23/07	NJ	05/16/07	OP20601	SU111
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	2.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	2.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	5.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	2.0	ug/l	
	3&4-Methylphenol	ND	5.0	2.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	2.0	ug/l	
100-02-7	4-Nitrophenol	ND	25	10	ug/l	
87-86-5	Pentachlorophenol	ND	25	10	ug/l	
108-95-2	Phenol	ND	5.0	2.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.0	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
92-87-5	Benzidine	ND	25	15	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	4.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	2.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-29-05		
Lab Sample ID:	F49425-1	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	1.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	1.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	2.5	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	2.5	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	2.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
88-74-4	2-Nitroaniline	ND	10	4.0	ug/l	
99-09-2	3-Nitroaniline	ND	10	4.0	ug/l	
100-01-6	4-Nitroaniline	ND	10	4.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	30%		14-62%
4165-62-2	Phenol-d5	21%		10-40%
118-79-6	2,4,6-Tribromophenol	69%		33-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-29-05		
Lab Sample ID:	F49425-1	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	59%		42-108%
321-60-8	2-Fluorobiphenyl	59%		40-106%
1718-51-0	Terphenyl-d14	65%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-29-05		
Lab Sample ID:	F49425-1	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH026232.D	1	05/18/07	TD	n/a	n/a	GHH1152
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	88%		57-129%
98-08-8	aaa-Trifluorotoluene	88%		58-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-29-05		
Lab Sample ID:	F49425-1	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02397.D	1	05/17/07	MG	05/16/07	OP20593	GYY93
Run #2							

	Initial Volume	Final Volume
Run #1	1020 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	0.104	0.25	0.098	mg/l	J
	TPH (> C22-C36)	ND	0.25	0.098	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	87%		42-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-29-05		
Lab Sample ID:	F49425-1	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
		Percent Solids:	n/a
Project:	HOLMN		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	17.0	10	2.8	ug/l	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3010A [4]
Barium	13.3 J	200	5.0	ug/l	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3010A [4]
Cadmium	1.0 U	5.0	1.0	ug/l	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3010A [4]
Chromium	1.1 J	10	0.60	ug/l	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3010A [4]
Lead [a]	3.4 U	10	3.4	ug/l	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3010A [4]
Mercury	0.10 U	1.0	0.10	ug/l	1	05/11/07	05/11/07	MS	SW846 7470A [1]	SW846 7470A [3]
Selenium	2.8 U	10	2.8	ug/l	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3010A [4]
Silver	0.90 U	10	0.90	ug/l	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA5704
(2) Instrument QC Batch: MA5725
(3) Prep QC Batch: MP11950
(4) Prep QC Batch: MP12011

(a) Elevated RL/MDL due to CRIA exceeding acceptance criteria.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-MW-29-05		
Lab Sample ID:	F49425-1	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
		Percent Solids:	n/a
Project:	HOLMN		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	19600	100	10	mg/l	1	05/14/07 16:30	LE	EPA 160.1

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-MW-09		
Lab Sample ID:	F49425-2	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J029824.D	1	05/21/07	SH	n/a	n/a	VJ2127
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
75-05-8	Acetonitrile	ND	20	10	ug/l	
107-02-8	Acrolein	ND	20	10	ug/l	
107-13-1	Acrylonitrile	ND	10	5.0	ug/l	
107-05-1	Allyl chloride	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
100-44-7	Benzyl Chloride	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	0.56	1.0	0.50	ug/l	J
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	1.0	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-09		
Lab Sample ID:	F49425-2	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	2.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
110-54-3	Hexane	ND	2.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
126-98-7	Methacrylonitrile	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
74-88-4	Methyl iodide	ND	5.0	2.5	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	2.5	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	5.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-09		
Lab Sample ID:	F49425-2	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	10	5.0	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		87-116%
17060-07-0	1,2-Dichloroethane-D4	100%		76-127%
2037-26-5	Toluene-D8	95%		86-112%
460-00-4	4-Bromofluorobenzene	109%		84-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-09		
Lab Sample ID:	F49425-2	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U002208.D	1	05/23/07	NJ	05/16/07	OP20601	SU111
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.5	ug/l	
95-57-8	2-Chlorophenol	ND	4.8	1.9	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.8	1.9	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.5	4.8	ug/l	
95-48-7	2-Methylphenol	ND	4.8	1.9	ug/l	
	3&4-Methylphenol	ND	4.8	1.9	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.5	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.5	ug/l	
108-95-2	Phenol	ND	4.8	1.9	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.8	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.95	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
92-87-5	Benzidine	ND	24	14	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.95	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
100-51-6	Benzyl Alcohol	ND	4.8	0.95	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.95	ug/l	
106-47-8	4-Chloroaniline	ND	9.5	3.8	ug/l	
218-01-9	Chrysene	ND	4.8	0.95	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.8	0.95	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.8	1.9	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-09		
Lab Sample ID:	F49425-2	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.8	0.95	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.8	0.95	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.95	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.95	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.95	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.5	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.95	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.8	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.8	2.4	ug/l	
84-66-2	Diethyl phthalate	ND	4.8	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.8	1.9	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.8	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	0.95	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.95	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.95	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.95	ug/l	
88-74-4	2-Nitroaniline	ND	9.5	3.8	ug/l	
99-09-2	3-Nitroaniline	ND	9.5	3.8	ug/l	
100-01-6	4-Nitroaniline	ND	9.5	3.8	ug/l	
91-20-3	Naphthalene	ND	4.8	0.95	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.95	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.95	ug/l	
129-00-0	Pyrene	ND	4.8	0.95	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	31%		14-62%
4165-62-2	Phenol-d5	20%		10-40%
118-79-6	2,4,6-Tribromophenol	75%		33-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-09		
Lab Sample ID:	F49425-2	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	64%		42-108%
321-60-8	2-Fluorobiphenyl	63%		40-106%
1718-51-0	Terphenyl-d14	60%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-09		
Lab Sample ID:	F49425-2	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH026233.D	1	05/18/07	TD	n/a	n/a	GHH1152
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.316	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	85%		57-129%
98-08-8	aaa-Trifluorotoluene	87%		58-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-09		
Lab Sample ID:	F49425-2	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02456.D	1	05/22/07	MG	05/16/07	OP20593	GYY96
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	0.123	0.24	0.096	mg/l	J
	TPH (> C22-C36)	ND	0.24	0.096	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		42-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-09		
Lab Sample ID:	F49425-2	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
		Percent Solids:	n/a
Project:	HOLMN		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	9.1 J	10	2.8	ug/l	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3010A [4]
Barium	15.4 J	200	5.0	ug/l	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3010A [4]
Cadmium	1.0 U	5.0	1.0	ug/l	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3010A [4]
Chromium	1.2 J	10	0.60	ug/l	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3010A [4]
Lead [a]	3.4 U	10	3.4	ug/l	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3010A [4]
Mercury	0.10 U	1.0	0.10	ug/l	1	05/11/07	05/11/07	MS	SW846 7470A [1]	SW846 7470A [3]
Selenium	2.8 U	10	2.8	ug/l	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3010A [4]
Silver	1.1 J	10	0.90	ug/l	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA5704
(2) Instrument QC Batch: MA5725
(3) Prep QC Batch: MP11950
(4) Prep QC Batch: MP12011

(a) Elevated RL/MDL due to CRIA exceeding acceptance criteria.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-MW-09		
Lab Sample ID:	F49425-2	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
		Percent Solids:	n/a
Project:	HOLMN		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	2850	100	10	mg/l	1	05/14/07 16:30	LE	EPA 160.1

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-MW-08		
Lab Sample ID:	F49425-3	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J029825.D	1	05/21/07	SH	n/a	n/a	VJ2127
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	6.5	25	5.0	ug/l	J
75-05-8	Acetonitrile	ND	20	10	ug/l	
107-02-8	Acrolein	ND	20	10	ug/l	
107-13-1	Acrylonitrile	ND	10	5.0	ug/l	
107-05-1	Allyl chloride	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
100-44-7	Benzyl Chloride	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	1.0	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-08		
Lab Sample ID:	F49425-3	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	2.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
110-54-3	Hexane	ND	2.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
126-98-7	Methacrylonitrile	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
74-88-4	Methyl iodide	ND	5.0	2.5	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	2.5	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	5.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-08		
Lab Sample ID:	F49425-3	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	0.51	1.0	0.50	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	10	5.0	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		87-116%
17060-07-0	1,2-Dichloroethane-D4	101%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	110%		84-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-08		
Lab Sample ID:	F49425-3	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U002209.D	1	05/23/07	NJ	05/16/07	OP20601	SU111
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.5	ug/l	
95-57-8	2-Chlorophenol	ND	4.8	1.9	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.8	1.9	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.5	4.8	ug/l	
95-48-7	2-Methylphenol	ND	4.8	1.9	ug/l	
	3&4-Methylphenol	ND	4.8	1.9	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.5	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.5	ug/l	
108-95-2	Phenol	ND	4.8	1.9	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.8	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.95	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
92-87-5	Benzidine	ND	24	14	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.95	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
100-51-6	Benzyl Alcohol	ND	4.8	0.95	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.95	ug/l	
106-47-8	4-Chloroaniline	ND	9.5	3.8	ug/l	
218-01-9	Chrysene	ND	4.8	0.95	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.8	0.95	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.8	1.9	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-08		
Lab Sample ID:	F49425-3	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.8	0.95	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.8	0.95	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.95	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.95	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.95	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.5	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.95	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.8	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.8	2.4	ug/l	
84-66-2	Diethyl phthalate	ND	4.8	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.8	1.9	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.8	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	0.95	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.95	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.95	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.95	ug/l	
88-74-4	2-Nitroaniline	ND	9.5	3.8	ug/l	
99-09-2	3-Nitroaniline	ND	9.5	3.8	ug/l	
100-01-6	4-Nitroaniline	ND	9.5	3.8	ug/l	
91-20-3	Naphthalene	ND	4.8	0.95	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.95	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.95	ug/l	
129-00-0	Pyrene	ND	4.8	0.95	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	34%		14-62%
4165-62-2	Phenol-d5	22%		10-40%
118-79-6	2,4,6-Tribromophenol	82%		33-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-08		
Lab Sample ID:	F49425-3	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	73%		42-108%
321-60-8	2-Fluorobiphenyl	71%		40-106%
1718-51-0	Terphenyl-d14	67%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-08		
Lab Sample ID:	F49425-3	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH026234.D	1	05/18/07	TD	n/a	n/a	GHH1152
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	86%		57-129%
98-08-8	aaa-Trifluorotoluene	80%		58-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-08		
Lab Sample ID:	F49425-3	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02399.D	1	05/17/07	MG	05/16/07	OP20593	GYY93
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.24	0.096	mg/l	
	TPH (> C22-C36)	ND	0.24	0.096	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	87%		42-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-08		
Lab Sample ID:	F49425-3	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
		Percent Solids:	n/a
Project:	HOLMN		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	5.5 J	10	2.8	ug/l	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3010A [4]
Barium	13.4 J	200	5.0	ug/l	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3010A [4]
Cadmium	1.0 U	5.0	1.0	ug/l	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3010A [4]
Chromium	0.65 J	10	0.60	ug/l	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3010A [4]
Lead [a]	3.4 U	10	3.4	ug/l	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3010A [4]
Mercury	0.10 U	1.0	0.10	ug/l	1	05/11/07	05/11/07	MS	SW846 7470A [1]	SW846 7470A [3]
Selenium	2.8 U	10	2.8	ug/l	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3010A [4]
Silver	0.90 U	10	0.90	ug/l	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA5704
(2) Instrument QC Batch: MA5725
(3) Prep QC Batch: MP11950
(4) Prep QC Batch: MP12011

(a) Elevated RL/MDL due to CRIA exceeding acceptance criteria.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-MW-08		
Lab Sample ID:	F49425-3	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
		Percent Solids:	n/a
Project:	HOLMN		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	3110	100	10	mg/l	1	05/14/07 16:30	LE	EPA 160.1

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-MW-29-02		
Lab Sample ID:	F49425-4	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J029829.D	1	05/21/07	SH	n/a	n/a	VJ2127
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
75-05-8	Acetonitrile	ND	20	10	ug/l	
107-02-8	Acrolein	ND	20	10	ug/l	
107-13-1	Acrylonitrile	ND	10	5.0	ug/l	
107-05-1	Allyl chloride	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
100-44-7	Benzyl Chloride	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	0.96	1.0	0.50	ug/l	J
544-10-5	1-Chlorohexane	ND	2.0	1.0	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	31.1	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-29-02		
Lab Sample ID:	F49425-4	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	2.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
110-54-3	Hexane	ND	2.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
126-98-7	Methacrylonitrile	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
74-88-4	Methyl iodide	ND	5.0	2.5	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	2.5	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	5.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.53	1.0	0.50	ug/l	JB
96-18-4	1,2,3-Trichloropropane	ND	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-29-02		
Lab Sample ID:	F49425-4	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	10	5.0	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		87-116%
17060-07-0	1,2-Dichloroethane-D4	105%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	109%		84-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-29-02		
Lab Sample ID:	F49425-4	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U002210.D	1	05/23/07	NJ	05/16/07	OP20601	SU111
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	2.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	2.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	5.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	2.0	ug/l	
	3&4-Methylphenol	ND	5.0	2.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	2.0	ug/l	
100-02-7	4-Nitrophenol	ND	25	10	ug/l	
87-86-5	Pentachlorophenol	ND	25	10	ug/l	
108-95-2	Phenol	ND	5.0	2.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.0	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
92-87-5	Benzidine	ND	25	15	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	4.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	2.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-29-02		
Lab Sample ID:	F49425-4	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	1.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	1.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	2.5	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	2.5	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	2.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
88-74-4	2-Nitroaniline	ND	10	4.0	ug/l	
99-09-2	3-Nitroaniline	ND	10	4.0	ug/l	
100-01-6	4-Nitroaniline	ND	10	4.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	32%		14-62%
4165-62-2	Phenol-d5	21%		10-40%
118-79-6	2,4,6-Tribromophenol	77%		33-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-29-02		
Lab Sample ID:	F49425-4	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	67%		42-108%
321-60-8	2-Fluorobiphenyl	66%		40-106%
1718-51-0	Terphenyl-d14	76%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-29-02		
Lab Sample ID:	F49425-4	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH026235.D	1	05/18/07	TD	n/a	n/a	GHH1152
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	86%		57-129%
98-08-8	aaa-Trifluorotoluene	81%		58-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-29-02		
Lab Sample ID:	F49425-4	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02400.D	1	05/17/07	MG	05/16/07	OP20593	GYY93
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.24	0.096	mg/l	
	TPH (> C22-C36)	ND	0.24	0.096	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	78%		42-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-29-02		
Lab Sample ID:	F49425-4	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
		Percent Solids:	n/a
Project:	HOLMN		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	7.7 J	10	2.8	ug/l	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3010A [4]
Barium	12.8 J	200	5.0	ug/l	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3010A [4]
Cadmium	1.0 U	5.0	1.0	ug/l	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3010A [4]
Chromium	1.4 J	10	0.60	ug/l	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3010A [4]
Lead [a]	3.4 U	10	3.4	ug/l	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3010A [4]
Mercury	0.10 U	1.0	0.10	ug/l	1	05/11/07	05/11/07	MS	SW846 7470A [1]	SW846 7470A [3]
Selenium	2.8 U	10	2.8	ug/l	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3010A [4]
Silver	1.0 J	10	0.90	ug/l	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA5704
(2) Instrument QC Batch: MA5725
(3) Prep QC Batch: MP11950
(4) Prep QC Batch: MP12011

(a) Elevated RL/MDL due to CRIA exceeding acceptance criteria.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-MW-29-02		
Lab Sample ID:	F49425-4	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
		Percent Solids:	n/a
Project:	HOLMN		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	17600	100	10	mg/l	1	05/14/07 16:30	LE	EPA 160.1

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-MW-29-04		
Lab Sample ID:	F49425-5	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J029830.D	1	05/21/07	SH	n/a	n/a	VJ2127
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
75-05-8	Acetonitrile	ND	20	10	ug/l	
107-02-8	Acrolein	ND	20	10	ug/l	
107-13-1	Acrylonitrile	ND	10	5.0	ug/l	
107-05-1	Allyl chloride	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
100-44-7	Benzyl Chloride	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	0.74	1.0	0.50	ug/l	J
544-10-5	1-Chlorohexane	ND	2.0	1.0	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	4.7	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-29-04		
Lab Sample ID:	F49425-5	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	2.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
110-54-3	Hexane	ND	2.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
126-98-7	Methacrylonitrile	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
74-88-4	Methyl iodide	ND	5.0	2.5	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	2.5	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	5.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-29-04		
Lab Sample ID:	F49425-5	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	10	5.0	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		87-116%
17060-07-0	1,2-Dichloroethane-D4	100%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	108%		84-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-29-04		
Lab Sample ID:	F49425-5	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U002211.D	1	05/23/07	NJ	05/16/07	OP20601	SU111
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.5	ug/l	
95-57-8	2-Chlorophenol	ND	4.8	1.9	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.8	1.9	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.5	4.8	ug/l	
95-48-7	2-Methylphenol	ND	4.8	1.9	ug/l	
	3&4-Methylphenol	ND	4.8	1.9	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.5	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.5	ug/l	
108-95-2	Phenol	ND	4.8	1.9	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.8	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.95	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
92-87-5	Benzidine	ND	24	14	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.95	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
100-51-6	Benzyl Alcohol	ND	4.8	0.95	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.95	ug/l	
106-47-8	4-Chloroaniline	ND	9.5	3.8	ug/l	
218-01-9	Chrysene	ND	4.8	0.95	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.8	0.95	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.8	1.9	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-29-04		
Lab Sample ID:	F49425-5	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.8	0.95	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.8	0.95	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.95	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.95	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.95	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.5	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.95	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.8	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.8	2.4	ug/l	
84-66-2	Diethyl phthalate	ND	4.8	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.8	1.9	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.8	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	0.95	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.95	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.95	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.95	ug/l	
88-74-4	2-Nitroaniline	ND	9.5	3.8	ug/l	
99-09-2	3-Nitroaniline	ND	9.5	3.8	ug/l	
100-01-6	4-Nitroaniline	ND	9.5	3.8	ug/l	
91-20-3	Naphthalene	ND	4.8	0.95	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.95	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.95	ug/l	
129-00-0	Pyrene	ND	4.8	0.95	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	29%		14-62%
4165-62-2	Phenol-d5	20%		10-40%
118-79-6	2,4,6-Tribromophenol	71%		33-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-29-04		
Lab Sample ID:	F49425-5	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	59%		42-108%
321-60-8	2-Fluorobiphenyl	59%		40-106%
1718-51-0	Terphenyl-d14	67%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-29-04		
Lab Sample ID:	F49425-5	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	HH026236.D	1	05/18/07	TD	n/a	n/a	GHH1152
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	87%		57-129%
98-08-8	aaa-Trifluorotoluene	83%		58-120%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-29-04		
Lab Sample ID:	F49425-5	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02401.D	1	05/17/07	MG	05/16/07	OP20593	GYY93
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.24	0.096	mg/l	
	TPH (> C22-C36)	ND	0.24	0.096	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	89%		42-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-29-04		
Lab Sample ID:	F49425-5	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
		Percent Solids:	n/a
Project:	HOLMN		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	9.7 J	10	2.8	ug/l	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3010A [4]
Barium	18.6 J	200	5.0	ug/l	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3010A [4]
Cadmium	1.0 U	5.0	1.0	ug/l	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3010A [4]
Chromium	0.77 J	10	0.60	ug/l	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3010A [4]
Lead [a]	3.4 U	10	3.4	ug/l	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3010A [4]
Mercury	0.10 U	1.0	0.10	ug/l	1	05/11/07	05/11/07	MS	SW846 7470A [1]	SW846 7470A [3]
Selenium [b]	14 U	40	14	ug/l	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3010A [4]
Silver	0.90 U	10	0.90	ug/l	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA5704
(2) Instrument QC Batch: MA5725
(3) Prep QC Batch: MP11950
(4) Prep QC Batch: MP12011

(a) Elevated RL/MDL due to CRIA exceeding acceptance criteria.
(b) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-MW-29-04		
Lab Sample ID:	F49425-5	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
		Percent Solids:	n/a
Project:	HOLMN		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	11700	100	10	mg/l	1	05/14/07 16:30	LE	EPA 160.1

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-MW-29-03		
Lab Sample ID:	F49425-6	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J029894.D	1	05/23/07	SH	n/a	n/a	VJ2131
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
75-05-8	Acetonitrile	ND	20	10	ug/l	
107-02-8	Acrolein	ND	20	10	ug/l	
107-13-1	Acrylonitrile	ND	10	5.0	ug/l	
107-05-1	Allyl chloride	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
100-44-7	Benzyl Chloride	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	7.7	1.0	0.50	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	1.0	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	2.3	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-29-03		
Lab Sample ID:	F49425-6	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	2.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
110-54-3	Hexane	ND	2.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
126-98-7	Methacrylonitrile	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
74-88-4	Methyl iodide	ND	5.0	2.5	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	2.5	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	5.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-29-03		
Lab Sample ID:	F49425-6	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	10	5.0	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		87-116%
17060-07-0	1,2-Dichloroethane-D4	106%		76-127%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	105%		84-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-29-03		
Lab Sample ID:	F49425-6	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U002212.D	1	05/23/07	NJ	05/16/07	OP20601	SU111
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.5	ug/l	
95-57-8	2-Chlorophenol	ND	4.8	1.9	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.8	1.9	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.5	4.8	ug/l	
95-48-7	2-Methylphenol	ND	4.8	1.9	ug/l	
	3&4-Methylphenol	ND	4.8	1.9	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.5	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.5	ug/l	
108-95-2	Phenol	ND	4.8	1.9	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.8	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.95	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
92-87-5	Benzidine	ND	24	14	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.95	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
100-51-6	Benzyl Alcohol	ND	4.8	0.95	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.95	ug/l	
106-47-8	4-Chloroaniline	ND	9.5	3.8	ug/l	
218-01-9	Chrysene	ND	4.8	0.95	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.8	0.95	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.8	1.9	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-29-03		
Lab Sample ID:	F49425-6	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.8	0.95	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.8	0.95	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.95	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.95	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.95	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.5	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.95	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.8	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.8	2.4	ug/l	
84-66-2	Diethyl phthalate	ND	4.8	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.8	1.9	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.8	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	0.95	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.95	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.95	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.95	ug/l	
88-74-4	2-Nitroaniline	ND	9.5	3.8	ug/l	
99-09-2	3-Nitroaniline	ND	9.5	3.8	ug/l	
100-01-6	4-Nitroaniline	ND	9.5	3.8	ug/l	
91-20-3	Naphthalene	ND	4.8	0.95	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.95	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.95	ug/l	
129-00-0	Pyrene	ND	4.8	0.95	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	26%		14-62%
4165-62-2	Phenol-d5	18%		10-40%
118-79-6	2,4,6-Tribromophenol	63%		33-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-29-03		
Lab Sample ID:	F49425-6	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	55%		42-108%
321-60-8	2-Fluorobiphenyl	55%		40-106%
1718-51-0	Terphenyl-d14	61%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-29-03		
Lab Sample ID:	F49425-6	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH026237.D	1	05/18/07	TD	n/a	n/a	GHH1152
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	86%		57-129%
98-08-8	aaa-Trifluorotoluene	80%		58-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-29-03		
Lab Sample ID:	F49425-6	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02402.D	1	05/17/07	MG	05/16/07	OP20593	GYY93
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.24	0.096	mg/l	
	TPH (> C22-C36)	ND	0.24	0.096	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	90%		42-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW-29-03		
Lab Sample ID:	F49425-6	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
		Percent Solids:	n/a
Project:	HOLMN		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	8.4 J	10	2.8	ug/l	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3010A [4]
Barium	17.7 J	200	5.0	ug/l	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3010A [4]
Cadmium	1.0 U	5.0	1.0	ug/l	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3010A [4]
Chromium	0.60 U	10	0.60	ug/l	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3010A [4]
Lead [a]	3.4 U	10	3.4	ug/l	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3010A [4]
Mercury	0.10 U	1.0	0.10	ug/l	1	05/11/07	05/11/07	MS	SW846 7470A [1]	SW846 7470A [3]
Selenium	2.8 U	10	2.8	ug/l	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3010A [4]
Silver	0.90 U	10	0.90	ug/l	1	05/17/07	05/18/07	RS	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA5704
(2) Instrument QC Batch: MA5725
(3) Prep QC Batch: MP11950
(4) Prep QC Batch: MP12011

(a) Elevated RL/MDL due to CRIA exceeding acceptance criteria.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-MW-29-03		
Lab Sample ID:	F49425-6	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/10/07
		Percent Solids:	n/a
Project:	HOLMN		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	9880	100	10	mg/l	1	05/14/07 16:30	LE	EPA 160.1

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-TRIP BLANK		
Lab Sample ID:	F49425-7	**Date Sampled:**	05/09/07
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/10/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J029895.D	1	05/23/07	SH	n/a	n/a	VJ2131
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
75-05-8	Acetonitrile	ND	20	10	ug/l	
107-02-8	Acrolein	ND	20	10	ug/l	
107-13-1	Acrylonitrile	ND	10	5.0	ug/l	
107-05-1	Allyl chloride	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
100-44-7	Benzyl Chloride	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	1.0	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TRIP BLANK		
Lab Sample ID:	F49425-7	**Date Sampled:**	05/09/07
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/10/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	2.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
110-54-3	Hexane	ND	2.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
126-98-7	Methacrylonitrile	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
74-88-4	Methyl iodide	ND	5.0	2.5	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	2.5	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	5.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TRIP BLANK		
Lab Sample ID:	F49425-7	**Date Sampled:**	05/09/07
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/10/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	10	5.0	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		87-116%
17060-07-0	1,2-Dichloroethane-D4	104%		76-127%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	108%		84-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

F49425

Page: 1 of 1
Project No: 9050361.01.02
COC Number(1): 05-09-2007-01
LIMS Number:

Chain of Custody and Analytical Request

Facility/Base I.D.: Holloman Air Force Base
Project/Site Name: SS-61 Voluntary Corrective Measures
Client Name: USACE
Collected by: J. Moore/C. McGriff/R. Currance/B. Wolfe

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code (2)	Sample Number (3)	Sample Matrix (4)	Number of containers	VOC, 8260B	SVOC, 8270C	RCRA + Metals, 6010B/7470A	DRO/GRO, 8015M	GRO, 8015M	TDS			Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
1	SS61-MW-29-05		09-May-2007	1310	/	N	/	WG	12	1	1	1	1	1	1						1
2	SS61-MW-09		08-May-2007	1150	/	N	/	WG	12	1	1	1	1	1	1						2
3	SS61-MW-08		08-May-2007	1350	/	N	/	WG	12	1	1	1	1	1	1						3
4	SS61-MW29-02		09-May-2007	1250	/	N	/	WG	12	1	1	1	1	1	1						4
5	SS61-MW29-04		09-May-2007	0940	/	N	/	WG	12	1	1	1	1	1	1						5
6	SS61-MW-29-03		09-May-2007	1050	/	N	/	WG	12	1	1	1	1	1	1						6
7	SS61-Trip Blank		09-May-2007	/	/	TB		WQ	12	1	/	/	/	/	/						
	SS61-								12												
	SS61-								12												
	SS61-								12												
	SS61-								12												

Sample Analysis Requested (5) | Quality Assurance Samples (6)

COMMENTS:

Custody Transfers Prior to Receipt by Laboratory

Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1. Bill Hafer	5/9/07	1500	1. Relinquished to Fed Ex		
2.			2. Jorge Corral	5-10-07	9:00
3.			3.		

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab:		Shipped No.:	
Method of Shipment:	FedEx	Airbill Number:	
Analytical Lab:	Accutest	Delivery Location:	Orlando, FL
Lab Recipient:		Delivery Date/Time:	

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)
2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-s) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)
3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)
4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks
5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.
6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

0.2 0.4 0.6 0.8
2.0 2.2

F49425: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F49425 CLIENT: BHATE PROJECT: SS-61

DATE/TIME RECEIVED: 5-10-07 9:00 # OF COOLERS RECEIVED: 6 COOLER TEMPS: 0.2 0.4 0.6 0.8 2.0 2.2

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8610 6214 0134

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [✓] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [✓] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [✓] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? Ø

NUMBER OF 5035 FIELD KITS ? Ø

NUMBER OR LAB FILTERED METALS ? Ø

SUMMARY OF COMMENTS: Received 1 set (2 vials) of trip blanks per cooler

TECHNICIAN SIGNATURE/DATE: JMC 5-10-07 TECHNICIAN SIGNATURE/DATE: JC 5-10-07 ASBD 10/03/06

4.1 4

F49425: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F49425
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2127-MB	J029822.D	1	05/21/07	SH	n/a	n/a	VJ2127

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49425-1, F49425-2, F49425-3, F49425-4, F49425-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
75-05-8	Acetonitrile	ND	20	10	ug/l	
107-02-8	Acrolein	ND	20	10	ug/l	
107-13-1	Acrylonitrile	ND	10	5.0	ug/l	
107-05-1	Allyl chloride	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
100-44-7	Benzyl Chloride	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	1.0	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	

Method Blank Summary

Job Number: F49425
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2127-MB	J029822.D	1	05/21/07	SH	n/a	n/a	VJ2127

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49425-1, F49425-2, F49425-3, F49425-4, F49425-5

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	2.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
110-54-3	Hexane	ND	2.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
126-98-7	Methacrylonitrile	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
74-88-4	Methyl iodide	ND	5.0	2.5	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	2.5	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	5.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.53	1.0	0.50	ug/l	J
96-18-4	1,2,3-Trichloropropane	ND	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

Method Blank Summary

Job Number: F49425
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2127-MB	J029822.D	1	05/21/07	SH	n/a	n/a	VJ2127

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49425-1, F49425-2, F49425-3, F49425-4, F49425-5

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	10	5.0	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	103%	76-127%
2037-26-5	Toluene-D8	96%	86-112%
460-00-4	4-Bromofluorobenzene	109%	84-120%

Method Blank Summary

Job Number: F49425
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2131-MB	J029891.D	1	05/23/07	SH	n/a	n/a	VJ2131

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49425-6, F49425-7

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
75-05-8	Acetonitrile	ND	20	10	ug/l	
107-02-8	Acrolein	ND	20	10	ug/l	
107-13-1	Acrylonitrile	ND	10	5.0	ug/l	
107-05-1	Allyl chloride	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
100-44-7	Benzyl Chloride	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	1.0	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	

Method Blank Summary

Job Number: F49425
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2131-MB	J029891.D	1	05/23/07	SH	n/a	n/a	VJ2131

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49425-6, F49425-7

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	2.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
110-54-3	Hexane	ND	2.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
126-98-7	Methacrylonitrile	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
74-88-4	Methyl iodide	ND	5.0	2.5	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	2.5	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	5.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.70	1.0	0.50	ug/l	J
96-18-4	1,2,3-Trichloropropane	ND	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

Method Blank Summary

Job Number: F49425
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2131-MB	J029891.D	1	05/23/07	SH	n/a	n/a	VJ2131

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49425-6, F49425-7

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	10	5.0	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	112%	87-116%
17060-07-0	1,2-Dichloroethane-D4	107%	76-127%
2037-26-5	Toluene-D8	97%	86-112%
460-00-4	4-Bromofluorobenzene	103%	84-120%

Blank Spike Summary

Job Number: F49425
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2127-BS	J029821.D	1	05/21/07	SH	n/a	n/a	VJ2127

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49425-1, F49425-2, F49425-3, F49425-4, F49425-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	120	96	59-134
75-05-8	Acetonitrile	250	264	106	57-123
107-02-8	Acrolein	125	194	155	33-157
107-13-1	Acrylonitrile	125	129	103	62-124
107-05-1	Allyl chloride	25	26.7	107	48-136
71-43-2	Benzene	25	28.0	112	83-124
100-44-7	Benzyl Chloride	25	23.9	96	61-118
108-86-1	Bromobenzene	25	24.4	98	83-115
74-97-5	Bromochloromethane	25	23.8	95	78-112
75-27-4	Bromodichloromethane	25	26.3	105	76-116
75-25-2	Bromoform	25	22.7	91	68-128
104-51-8	n-Butylbenzene	25	27.7	111	84-124
135-98-8	sec-Butylbenzene	25	27.4	110	86-127
98-06-6	tert-Butylbenzene	25	27.4	110	83-126
108-90-7	Chlorobenzene	25	25.3	101	87-115
75-00-3	Chloroethane	25	35.6	142	54-166
67-66-3	Chloroform	25	28.4	114	85-123
544-10-5	1-Chlorohexane	25	29.2	117	87-128
95-49-8	o-Chlorotoluene	25	26.8	107	84-121
106-43-4	p-Chlorotoluene	25	26.9	108	84-120
110-75-8	2-Chloroethyl vinyl ether	125	106	85	63-125
75-15-0	Carbon disulfide	25	28.1	112	67-147
56-23-5	Carbon tetrachloride	25	27.9	112	74-139
75-34-3	1,1-Dichloroethane	25	28.3	113	82-127
75-35-4	1,1-Dichloroethylene	25	29.9	120	75-133
563-58-6	1,1-Dichloropropene	25	29.7	119	87-127
96-12-8	1,2-Dibromo-3-chloropropane	25	21.3	85	61-118
106-93-4	1,2-Dibromoethane	25	24.1	96	80-115
107-06-2	1,2-Dichloroethane	25	25.4	102	76-122
78-87-5	1,2-Dichloropropane	25	27.3	109	81-120
142-28-9	1,3-Dichloropropane	25	24.8	99	81-113
594-20-7	2,2-Dichloropropane	25	29.1	116	77-138
124-48-1	Dibromochloromethane	25	23.6	94	74-116
75-71-8	Dichlorodifluoromethane	25	43.2	173*	34-158
156-59-2	cis-1,2-Dichloroethylene	25	26.1	104	81-114
10061-01-5	cis-1,3-Dichloropropene	25	27.5	110	83-119

Blank Spike Summary

Job Number: F49425
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2127-BS	J029821.D	1	05/21/07	SH	n/a	n/a	VJ2127

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49425-1, F49425-2, F49425-3, F49425-4, F49425-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	25	24.2	97	41-130
541-73-1	m-Dichlorobenzene	25	24.7	99	86-115
95-50-1	o-Dichlorobenzene	25	24.4	98	85-115
106-46-7	p-Dichlorobenzene	25	24.4	98	87-113
156-60-5	trans-1,2-Dichloroethylene	25	27.6	110	82-126
10061-02-6	trans-1,3-Dichloropropene	25	27.7	111	87-123
100-41-4	Ethylbenzene	25	25.6	102	87-118
97-63-2	Ethyl methacrylate	25	24.1	96	68-110
76-13-1	Freon 113	25	29.7	119	74-139
591-78-6	2-Hexanone	125	119	95	58-125
87-68-3	Hexachlorobutadiene	25	23.1	92	71-133
110-54-3	Hexane	25	27.6	110	71-134
98-82-8	Isopropylbenzene	25	27.0	108	87-131
99-87-6	p-Isopropyltoluene	25	26.2	105	83-125
108-10-1	4-Methyl-2-pentanone	125	119	95	62-125
126-98-7	Methacrylonitrile	250	255	102	62-133
74-83-9	Methyl bromide	25	29.4	118	55-151
74-87-3	Methyl chloride	25	32.0	128	55-173
74-88-4	Methyl iodide	25	26.3	105	72-125
80-62-6	Methyl methacrylate	25	22.4	90	63-115
74-95-3	Methylene bromide	25	26.1	104	81-116
75-09-2	Methylene chloride	25	26.8	107	69-125
78-93-3	Methyl ethyl ketone	125	115	92	61-127
1634-04-4	Methyl Tert Butyl Ether	25	23.6	94	75-116
91-20-3	Naphthalene	25	19.9	80	59-125
76-01-7	Pentachloroethane	25	23.2	93	82-111
107-12-0	Propionitrile	250	252	101	69-119
103-65-1	n-Propylbenzene	25	27.7	111	86-125
100-42-5	Styrene	25	24.4	98	78-118
630-20-6	1,1,1,2-Tetrachloroethane	25	24.5	98	81-119
71-55-6	1,1,1-Trichloroethane	25	28.6	114	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	25.5	102	71-120
79-00-5	1,1,2-Trichloroethane	25	25.2	101	80-114
87-61-6	1,2,3-Trichlorobenzene	25	20.0	80	64-126
96-18-4	1,2,3-Trichloropropane	25	22.6	90	77-115
120-82-1	1,2,4-Trichlorobenzene	25	21.7	87	68-123

Blank Spike Summary

Job Number: F49425
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2127-BS	J029821.D	1	05/21/07	SH	n/a	n/a	VJ2127

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49425-1, F49425-2, F49425-3, F49425-4, F49425-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	25	25.7	103	82-120
108-67-8	1,3,5-Trimethylbenzene	25	26.2	105	83-123
127-18-4	Tetrachloroethylene	25	24.8	99	80-131
108-88-3	Toluene	25	25.7	103	86-116
79-01-6	Trichloroethylene	25	27.5	110	85-124
75-69-4	Trichlorofluoromethane	25	38.9	156	66-156
110-57-6	Trans-1,4-Dichloro-2-Butene	25	25.2	101	51-137
75-01-4	Vinyl chloride	25	32.7	131	57-153
108-05-4	Vinyl Acetate	125	133	106	38-159
	m,p-Xylene	50	52.3	105	86-121
95-47-6	o-Xylene	25	26.2	105	83-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	100%	76-127%
2037-26-5	Toluene-D8	97%	86-112%
460-00-4	4-Bromofluorobenzene	105%	84-120%

Blank Spike Summary

Job Number: F49425
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2131-BS	J029890.D	1	05/23/07	SH	n/a	n/a	VJ2131

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49425-6, F49425-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	96.8	77	59-134
75-05-8	Acetonitrile	250	219	88	57-123
107-02-8	Acrolein	125	185	148	33-157
107-13-1	Acrylonitrile	125	122	98	62-124
107-05-1	Allyl chloride	25	24.1	96	48-136
71-43-2	Benzene	25	26.9	108	83-124
100-44-7	Benzyl Chloride	25	24.0	96	61-118
108-86-1	Bromobenzene	25	26.4	106	83-115
74-97-5	Bromochloromethane	25	28.2	113*	78-112
75-27-4	Bromodichloromethane	25	28.6	114	76-116
75-25-2	Bromoform	25	28.9	116	68-128
104-51-8	n-Butylbenzene	25	26.3	105	84-124
135-98-8	sec-Butylbenzene	25	27.5	110	86-127
98-06-6	tert-Butylbenzene	25	27.6	110	83-126
108-90-7	Chlorobenzene	25	26.3	105	87-115
75-00-3	Chloroethane	25	24.6	98	54-166
67-66-3	Chloroform	25	30.4	122	85-123
544-10-5	1-Chlorohexane	25	28.4	114	87-128
95-49-8	o-Chlorotoluene	25	27.9	112	84-121
106-43-4	p-Chlorotoluene	25	29.0	116	84-120
110-75-8	2-Chloroethyl vinyl ether	125	107	86	63-125
75-15-0	Carbon disulfide	25	27.7	111	67-147
56-23-5	Carbon tetrachloride	25	30.4	122	74-139
75-34-3	1,1-Dichloroethane	25	27.6	110	82-127
75-35-4	1,1-Dichloroethylene	25	23.9	96	75-133
563-58-6	1,1-Dichloropropene	25	32.3	129*	87-127
96-12-8	1,2-Dibromo-3-chloropropane	25	22.3	89	61-118
106-93-4	1,2-Dibromoethane	25	24.7	99	80-115
107-06-2	1,2-Dichloroethane	25	28.6	114	76-122
78-87-5	1,2-Dichloropropane	25	26.6	106	81-120
142-28-9	1,3-Dichloropropane	25	27.1	108	81-113
594-20-7	2,2-Dichloropropane	25	30.6	122	77-138
124-48-1	Dibromochloromethane	25	24.4	98	74-116
75-71-8	Dichlorodifluoromethane	25	39.3	157	34-158
156-59-2	cis-1,2-Dichloroethylene	25	28.6	114	81-114
10061-01-5	cis-1,3-Dichloropropene	25	29.0	116	83-119

Blank Spike Summary

Job Number: F49425
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2131-BS	J029890.D	1	05/23/07	SH	n/a	n/a	VJ2131

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49425-6, F49425-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	25	22.9	92	41-130
541-73-1	m-Dichlorobenzene	25	27.1	108	86-115
95-50-1	o-Dichlorobenzene	25	27.0	108	85-115
106-46-7	p-Dichlorobenzene	25	26.1	104	87-113
156-60-5	trans-1,2-Dichloroethylene	25	27.6	110	82-126
10061-02-6	trans-1,3-Dichloropropene	25	30.5	122	87-123
100-41-4	Ethylbenzene	25	26.4	106	87-118
97-63-2	Ethyl methacrylate	25	24.1	96	68-110
76-13-1	Freon 113	25	27.9	112	74-139
591-78-6	2-Hexanone	125	109	87	58-125
87-68-3	Hexachlorobutadiene	25	29.6	118	71-133
110-54-3	Hexane	25	26.8	107	71-134
98-82-8	Isopropylbenzene	25	27.7	111	87-131
99-87-6	p-Isopropyltoluene	25	26.7	107	83-125
108-10-1	4-Methyl-2-pentanone	125	115	92	62-125
126-98-7	Methacrylonitrile	250	223	89	62-133
74-83-9	Methyl bromide	25	26.8	107	55-151
74-87-3	Methyl chloride	25	26.1	104	55-173
74-88-4	Methyl iodide	25	24.0	96	72-125
80-62-6	Methyl methacrylate	25	22.1	88	63-115
74-95-3	Methylene bromide	25	28.6	114	81-116
75-09-2	Methylene chloride	25	24.9	100	69-125
78-93-3	Methyl ethyl ketone	125	108	86	61-127
1634-04-4	Methyl Tert Butyl Ether	25	29.2	117*	75-116
91-20-3	Naphthalene	25	24.1	96	59-125
76-01-7	Pentachloroethane	25	26.6	106	82-111
107-12-0	Propionitrile	250	236	94	69-119
103-65-1	n-Propylbenzene	25	27.2	109	86-125
100-42-5	Styrene	25	25.0	100	78-118
630-20-6	1,1,1,2-Tetrachloroethane	25	29.1	116	81-119
71-55-6	1,1,1-Trichloroethane	25	30.8	123	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	24.0	96	71-120
79-00-5	1,1,2-Trichloroethane	25	26.0	104	80-114
87-61-6	1,2,3-Trichlorobenzene	25	24.4	98	64-126
96-18-4	1,2,3-Trichloropropane	25	26.5	106	77-115
120-82-1	1,2,4-Trichlorobenzene	25	24.4	98	68-123

Blank Spike Summary

Job Number: F49425
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2131-BS	J029890.D	1	05/23/07	SH	n/a	n/a	VJ2131

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49425-6, F49425-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	25	25.9	104	82-120
108-67-8	1,3,5-Trimethylbenzene	25	28.3	113	83-123
127-18-4	Tetrachloroethylene	25	31.4	126	80-131
108-88-3	Toluene	25	27.5	110	86-116
79-01-6	Trichloroethylene	25	28.2	113	85-124
75-69-4	Trichlorofluoromethane	25	27.1	108	66-156
110-57-6	Trans-1,4-Dichloro-2-Butene	25	25.1	100	51-137
75-01-4	Vinyl chloride	25	29.2	117	57-153
108-05-4	Vinyl Acetate	125	169	135	38-159
	m,p-Xylene	50	58.0	116	86-121
95-47-6	o-Xylene	25	26.4	106	83-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	109%	87-116%
17060-07-0	1,2-Dichloroethane-D4	106%	76-127%
2037-26-5	Toluene-D8	99%	86-112%
460-00-4	4-Bromofluorobenzene	99%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49425
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49469-1MS	J029827.D	1	05/21/07	SH	n/a	n/a	VJ2127
F49469-1MSD	J029828.D	1	05/21/07	SH	n/a	n/a	VJ2127
F49469-1 [a]	J029826.D	1	05/21/07	SH	n/a	n/a	VJ2127

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49425-1, F49425-2, F49425-3, F49425-4, F49425-5

CAS No.	Compound	F49469-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	90.2	72	90.3	72	0	59-134/14
75-05-8	Acetonitrile	ND		250	278	111	274	110	1	57-123/15
107-02-8	Acrolein	ND		125	194	155	191	153	2	33-157/21
107-13-1	Acrylonitrile	ND		125	132	106	131	105	1	62-124/13
107-05-1	Allyl chloride	ND		25	25.6	102	25.2	101	2	48-136/13
71-43-2	Benzene	ND		25	28.1	112	28.0	112	0	83-124/11
100-44-7	Benzyl Chloride	ND		25	23.8	95	24.1	96	1	61-118/12
108-86-1	Bromobenzene	ND		25	24.1	96	24.1	96	0	83-115/10
74-97-5	Bromochloromethane	ND		25	22.4	90	22.6	90	1	78-112/10
75-27-4	Bromodichloromethane	ND		25	24.7	99	25.5	102	3	76-116/10
75-25-2	Bromoform	ND		25	21.4	86	22.0	88	3	68-128/11
104-51-8	n-Butylbenzene	ND		25	28.0	112	28.2	113	1	84-124/10
135-98-8	sec-Butylbenzene	ND		25	27.0	108	27.5	110	2	86-127/10
98-06-6	tert-Butylbenzene	ND		25	27.2	109	27.6	110	1	83-126/10
108-90-7	Chlorobenzene	ND		25	25.4	102	25.3	101	0	87-115/9
75-00-3	Chloroethane	ND		25	38.2	153	36.9	148	3	54-166/20
67-66-3	Chloroform	ND		25	26.6	106	27.4	110	3	85-123/10
544-10-5	1-Chlorohexane	ND		25	27.2	109	27.9	112	3	87-128/10
95-49-8	o-Chlorotoluene	ND		25	27.1	108	27.2	109	0	84-121/10
106-43-4	p-Chlorotoluene	ND		25	26.1	104	26.6	106	2	84-120/10
110-75-8	2-Chloroethyl vinyl ether	ND		125	ND	0*	ND	0*	nc	63-125/24
75-15-0	Carbon disulfide	ND		25	29.2	117	28.5	114	2	67-147/12
56-23-5	Carbon tetrachloride	ND		25	25.5	102	25.6	102	0	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	27.7	111	27.8	111	0	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	30.9	124	30.5	122	1	75-133/13
563-58-6	1,1-Dichloropropene	ND		25	27.5	110	28.2	113	3	87-127/10
96-12-8	1,2-Dibromo-3-chloropropane	ND		25	21.7	87	21.9	88	1	61-118/15
106-93-4	1,2-Dibromoethane	ND		25	22.3	89	23.0	92	3	80-115/10
107-06-2	1,2-Dichloroethane	ND		25	25.3	101	25.2	101	0	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	27.3	109	27.3	109	0	81-120/11
142-28-9	1,3-Dichloropropane	ND		25	23.6	94	24.6	98	4	81-113/11
594-20-7	2,2-Dichloropropane	ND		25	25.3	101	26.1	104	3	77-138/12
124-48-1	Dibromochloromethane	ND		25	21.1	84	21.9	88	4	74-116/11
75-71-8	Dichlorodifluoromethane	ND		25	36.0	144	38.2	153	6	34-158/22
156-59-2	cis-1,2-Dichloroethylene	ND		25	24.2	97	24.4	98	1	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	26.4	106	26.6	106	1	83-119/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49425
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49469-1MS	J029827.D	1	05/21/07	SH	n/a	n/a	VJ2127
F49469-1MSD	J029828.D	1	05/21/07	SH	n/a	n/a	VJ2127
F49469-1 [a]	J029826.D	1	05/21/07	SH	n/a	n/a	VJ2127

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49425-1, F49425-2, F49425-3, F49425-4, F49425-5

CAS No.	Compound	F49469-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		25	20.9	84	21.9	88	5	41-130/33
541-73-1	m-Dichlorobenzene	ND		25	23.8	95	24.1	96	1	86-115/9
95-50-1	o-Dichlorobenzene	ND		25	23.8	95	24.2	97	2	85-115/9
106-46-7	p-Dichlorobenzene	ND		25	24.7	99	24.7	99	0	87-113/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	27.5	110	27.4	110	0	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	26.5	106	27.7	111	4	87-123/10
100-41-4	Ethylbenzene	ND		25	25.9	104	25.9	104	0	87-118/10
97-63-2	Ethyl methacrylate	ND		25	23.9	96	25.1	100	5	68-110/11
76-13-1	Freon 113	ND		25	31.1	124	30.3	121	3	74-139/13
591-78-6	2-Hexanone	ND		125	128	102	129	103	1	58-125/14
87-68-3	Hexachlorobutadiene	ND		25	20.6	82	21.3	85	3	71-133/12
110-54-3	Hexane	ND		25	27.5	110	27.2	109	1	71-134/11
98-82-8	Isopropylbenzene	ND		25	25.4	102	26.2	105	3	87-131/10
99-87-6	p-Isopropyltoluene	ND		25	25.3	101	25.7	103	2	83-125/9
108-10-1	4-Methyl-2-pentanone	ND		125	139	111	140	112	1	62-125/13
126-98-7	Methacrylonitrile	ND		250	281	112	278	111	1	62-133/17
74-83-9	Methyl bromide	ND		25	31.7	127	30.6	122	4	55-151/21
74-87-3	Methyl chloride	ND		25	33.6	134	32.7	131	3	55-173/22
74-88-4	Methyl iodide	ND		25	26.3	105	26.0	104	1	72-125/11
80-62-6	Methyl methacrylate	ND		25	24.4	98	24.7	99	1	63-115/10
74-95-3	Methylene bromide	ND		25	24.9	100	25.6	102	3	81-116/10
75-09-2	Methylene chloride	ND		25	26.7	107	26.0	104	3	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	106	85	107	86	1	61-127/13
1634-04-4	Methyl Tert Butyl Ether	ND		25	22.7	91	23.2	93	2	75-116/10
91-20-3	Naphthalene	ND		25	19.0	76	20.2	81	6	59-125/15
76-01-7	Pentachloroethane	ND		25	21.1	84	21.5	86	2	82-111/8
107-12-0	Propionitrile	ND		250	267	107	267	107	0	69-119/12
103-65-1	n-Propylbenzene	ND		25	28.3	113	28.4	114	0	86-125/10
100-42-5	Styrene	ND		25	23.3	93	23.6	94	1	78-118/11
630-20-6	1,1,1,2-Tetrachloroethane	ND		25	22.4	90	23.3	93	4	81-119/10
71-55-6	1,1,1-Trichloroethane	ND		25	25.6	102	26.3	105	3	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	26.7	107	27.3	109	2	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	25.0	100	25.4	102	2	80-114/11
87-61-6	1,2,3-Trichlorobenzene	ND		25	18.5	74	19.9	80	7	64-126/16
96-18-4	1,2,3-Trichloropropane	ND		25	23.1	92	23.7	95	3	77-115/12
120-82-1	1,2,4-Trichlorobenzene	ND		25	20.1	80	21.3	85	6	68-123/11

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49425
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49469-1MS	J029827.D	1	05/21/07	SH	n/a	n/a	VJ2127
F49469-1MSD	J029828.D	1	05/21/07	SH	n/a	n/a	VJ2127
F49469-1 [a]	J029826.D	1	05/21/07	SH	n/a	n/a	VJ2127

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49425-1, F49425-2, F49425-3, F49425-4, F49425-5

CAS No.	Compound	F49469-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		25	25.2	101	25.6	102	2	82-120/10
108-67-8	1,3,5-Trimethylbenzene	ND		25	26.1	104	26.6	106	2	83-123/10
127-18-4	Tetrachloroethylene	ND		25	22.4	90	22.8	91	2	80-131/12
108-88-3	Toluene	ND		25	24.4	98	24.9	100	2	86-116/10
79-01-6	Trichloroethylene	ND		25	26.9	108	27.0	108	0	85-124/10
75-69-4	Trichlorofluoromethane	ND		25	41.4	166*	39.7	159*	4	66-156/15
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		25	23.3	93	24.4	98	5	51-137/24
75-01-4	Vinyl chloride	ND		25	31.4	126	31.9	128	2	57-153/22
108-05-4	Vinyl Acetate	ND		125	140	112	138	110	1	38-159/11
	m,p-Xylene	ND		50	52.3	105	52.6	105	1	86-121/10
95-47-6	o-Xylene	ND		25	24.5	98	25.4	102	4	83-121/10

CAS No.	Surrogate Recoveries	MS	MSD	F49469-1	Limits
1868-53-7	Dibromofluoromethane	97%	99%	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	100%	99%	99%	76-127%
2037-26-5	Toluene-D8	95%	97%	97%	86-112%
460-00-4	4-Bromofluorobenzene	105%	106%	109%	84-120%

(a) Confirmation run.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49425
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49466-1MS	J029900.D	1	05/23/07	SH	n/a	n/a	VJ2131
F49466-1MSD	J029901.D	1	05/23/07	SH	n/a	n/a	VJ2131
F49466-1	J029896.D	1	05/23/07	SH	n/a	n/a	VJ2131

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49425-6, F49425-7

CAS No.	Compound	F49466-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25 U		125	88.2	71	90.8	73	3	59-134/14
75-05-8	Acetonitrile	20 U		250	253	101	250	100	1	57-123/15
107-02-8	Acrolein	20 U		125	212	170*	203	162*	4	33-157/21
107-13-1	Acrylonitrile	10 U		125	146	117	145	116	1	62-124/13
107-05-1	Allyl chloride	10 U		25	24.8	99	23.7	95	5	48-136/13
71-43-2	Benzene	1.0 U		25	28.1	112	27.5	110	2	83-124/11
100-44-7	Benzyl Chloride	1.0 U		25	23.3	93	23.1	92	1	61-118/12
108-86-1	Bromobenzene	1.0 U		25	25.6	102	25.2	101	2	83-115/10
74-97-5	Bromochloromethane	1.0 U		25	26.1	104	25.8	103	1	78-112/10
75-27-4	Bromodichloromethane	1.0 U		25	26.6	106	26.7	107	0	76-116/10
75-25-2	Bromoform	1.0 U		25	24.6	98	24.7	99	0	68-128/11
104-51-8	n-Butylbenzene	1.0 U		25	26.7	107	26.8	107	0	84-124/10
135-98-8	sec-Butylbenzene	1.0 U		25	26.8	107	26.5	106	1	86-127/10
98-06-6	tert-Butylbenzene	1.0 U		25	26.1	104	26.2	105	0	83-126/10
108-90-7	Chlorobenzene	1.0 U		25	26.5	106	25.8	103	3	87-115/9
75-00-3	Chloroethane	2.0 U		25	27.4	110	25.7	103	6	54-166/20
67-66-3	Chloroform	1.0 U		25	28.7	115	28.4	114	1	85-123/10
544-10-5	1-Chlorohexane	2.0 U		25	26.0	104	25.9	104	0	87-128/10
95-49-8	o-Chlorotoluene	1.0 U		25	28.5	114	27.8	111	2	84-121/10
106-43-4	p-Chlorotoluene	1.0 U		25	28.2	113	27.9	112	1	84-120/10
110-75-8	2-Chloroethyl vinyl ether	5.0 U		125	19.0	15*	ND	0*	200*	63-125/24
75-15-0	Carbon disulfide	2.0 U		25	29.0	116	27.5	110	5	67-147/12
56-23-5	Carbon tetrachloride	1.0 U		25	27.5	110	27.6	110	0	74-139/13
75-34-3	1,1-Dichloroethane	1.0 U		25	28.0	112	27.1	108	3	82-127/10
75-35-4	1,1-Dichloroethylene	1.0 U		25	26.4	106	24.9	100	6	75-133/13
563-58-6	1,1-Dichloropropene	1.0 U		25	30.1	120	29.8	119	1	87-127/10
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U		25	20.7	83	21.0	84	1	61-118/15
106-93-4	1,2-Dibromoethane	1.0 U		25	21.9	88	22.2	89	1	80-115/10
107-06-2	1,2-Dichloroethane	1.0 U		25	28.0	112	27.4	110	2	76-122/11
78-87-5	1,2-Dichloropropane	1.0 U		25	27.6	110	26.8	107	3	81-120/11
142-28-9	1,3-Dichloropropane	1.0 U		25	25.4	102	25.5	102	0	81-113/11
594-20-7	2,2-Dichloropropane	1.0 U		25	27.0	108	26.3	105	3	77-138/12
124-48-1	Dibromochloromethane	1.0 U		25	20.7	83	20.8	83	0	74-116/11
75-71-8	Dichlorodifluoromethane	1.0 U		25	38.1	152	42.2	169*	10	34-158/22
156-59-2	cis-1,2-Dichloroethylene	1.0 U		25	26.6	106	26.5	106	0	81-114/10
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	28.2	113	27.1	108	4	83-119/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49425
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49466-1MS	J029900.D	1	05/23/07	SH	n/a	n/a	VJ2131
F49466-1MSD	J029901.D	1	05/23/07	SH	n/a	n/a	VJ2131
F49466-1	J029896.D	1	05/23/07	SH	n/a	n/a	VJ2131

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49425-6, F49425-7

CAS No.	Compound	F49466-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	10 U		25	15.4	62	12.8	51	18	41-130/33
541-73-1	m-Dichlorobenzene	1.0 U		25	25.7	103	25.3	101	2	86-115/9
95-50-1	o-Dichlorobenzene	1.0 U		25	25.8	103	25.9	104	0	85-115/9
106-46-7	p-Dichlorobenzene	1.0 U		25	25.9	104	25.4	102	2	87-113/10
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	27.8	111	26.9	108	3	82-126/10
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	28.3	113	28.3	113	0	87-123/10
100-41-4	Ethylbenzene	1.0 U		25	26.8	107	26.3	105	2	87-118/10
97-63-2	Ethyl methacrylate	5.0 U		25	23.3	93	23.5	94	1	68-110/11
76-13-1	Freon 113	1.0 U		25	30.7	123	29.4	118	4	74-139/13
591-78-6	2-Hexanone	5.0 U		125	118	94	115	92	3	58-125/14
87-68-3	Hexachlorobutadiene	2.0 U		25	25.6	102	24.7	99	4	71-133/12
110-54-3	Hexane	2.0 U		25	27.7	111	26.3	105	5	71-134/11
98-82-8	Isopropylbenzene	1.0 U		25	25.5	102	25.1	100	2	87-131/10
99-87-6	p-Isopropyltoluene	1.0 U		25	25.1	100	25.0	100	0	83-125/9
108-10-1	4-Methyl-2-pentanone	5.0 U		125	127	102	126	101	1	62-125/13
126-98-7	Methacrylonitrile	20 U		250	271	108	261	104	4	62-133/17
74-83-9	Methyl bromide	2.0 U		25	33.1	132	31.0	124	7	55-151/21
74-87-3	Methyl chloride	2.0 U		25	30.7	123	29.9	120	3	55-173/22
74-88-4	Methyl iodide	5.0 U		25	24.7	99	23.9	96	3	72-125/11
80-62-6	Methyl methacrylate	5.0 U		25	25.2	101	24.7	99	2	63-115/10
74-95-3	Methylene bromide	2.0 U		25	27.6	110	27.5	110	0	81-116/10
75-09-2	Methylene chloride	5.0 U		25	25.8	103	24.6	98	5	69-125/11
78-93-3	Methyl ethyl ketone	5.0 U		125	115	92	114	91	1	61-127/13
1634-04-4	Methyl Tert Butyl Ether	1.0 U		25	26.8	107	27.1	108	1	75-116/10
91-20-3	Naphthalene	2.0 U		25	21.3	85	22.6	90	6	59-125/15
76-01-7	Pentachloroethane	10 U		25	24.3	97	24.0	96	1	82-111/8
107-12-0	Propionitrile	20 U		250	267	107	261	104	2	69-119/12
103-65-1	n-Propylbenzene	1.0 U		25	28.7	115	28.1	112	2	86-125/10
100-42-5	Styrene	1.0 U		25	23.3	93	23.1	92	1	78-118/11
630-20-6	1,1,1,2-Tetrachloroethane	1.0 U		25	25.4	102	25.7	103	1	81-119/10
71-55-6	1,1,1-Trichloroethane	1.0 U		25	26.7	107	26.8	107	0	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	24.6	98	24.5	98	0	71-120/11
79-00-5	1,1,2-Trichloroethane	1.0 U		25	25.4	102	25.3	101	0	80-114/11
87-61-6	1,2,3-Trichlorobenzene	1.0 U		25	21.6	86	22.1	88	2	64-126/16
96-18-4	1,2,3-Trichloropropane	2.0 U		25	24.6	98	25.2	101	2	77-115/12
120-82-1	1,2,4-Trichlorobenzene	1.0 U		25	22.2	89	22.3	89	0	68-123/11

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49425
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49466-1MS	J029900.D	1	05/23/07	SH	n/a	n/a	VJ2131
F49466-1MSD	J029901.D	1	05/23/07	SH	n/a	n/a	VJ2131
F49466-1	J029896.D	1	05/23/07	SH	n/a	n/a	VJ2131

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49425-6, F49425-7

CAS No.	Compound	F49466-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	2.0 U		25	24.9	100	24.7	99	1	82-120/10
108-67-8	1,3,5-Trimethylbenzene	2.0 U		25	28.3	113	27.8	111	2	83-123/10
127-18-4	Tetrachloroethylene	1.0 U		25	27.0	108	27.0	108	0	80-131/12
108-88-3	Toluene	1.0 U		25	26.2	105	25.6	102	2	86-116/10
79-01-6	Trichloroethylene	1.0 U		25	28.1	112	28.3	113	1	85-124/10
75-69-4	Trichlorofluoromethane	2.0 U		25	31.8	127	29.8	119	6	66-156/15
110-57-6	Trans-1,4-Dichloro-2-Butene	10 U		25	18.0	72	15.1	60	18	51-137/24
75-01-4	Vinyl chloride	1.0 U		25	30.3	121	30.0	120	1	57-153/22
108-05-4	Vinyl Acetate	10 U		125	200	160*	193	154	4	38-159/11
	m,p-Xylene	2.0 U		50	57.9	116	56.5	113	2	86-121/10
95-47-6	o-Xylene	1.0 U		25	24.2	97	24.2	97	0	83-121/10

CAS No.	Surrogate Recoveries	MS	MSD	F49466-1	Limits
1868-53-7	Dibromofluoromethane	104%	104%	106%	87-116%
17060-07-0	1,2-Dichloroethane-D4	103%	104%	105%	76-127%
2037-26-5	Toluene-D8	97%	97%	98%	86-112%
460-00-4	4-Bromofluorobenzene	101%	103%	106%	84-120%

GC/MS Semi-volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F49425
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20601-MB	U002200.D	1	05/23/07	NJ	05/16/07	OP20601	SU111

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49425-1, F49425-2, F49425-3, F49425-4, F49425-5, F49425-6

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	2.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	2.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	5.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	2.0	ug/l	
	3&4-Methylphenol	ND	5.0	2.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	2.0	ug/l	
100-02-7	4-Nitrophenol	ND	25	10	ug/l	
87-86-5	Pentachlorophenol	ND	25	10	ug/l	
108-95-2	Phenol	ND	5.0	2.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.0	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
92-87-5	Benzidine	ND	25	15	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	4.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	2.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	1.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	

Method Blank Summary

Job Number: F49425
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20601-MB	U002200.D	1	05/23/07	NJ	05/16/07	OP20601	SU111

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49425-1, F49425-2, F49425-3, F49425-4, F49425-5, F49425-6

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	1.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	2.5	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	2.5	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	2.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
88-74-4	2-Nitroaniline	ND	10	4.0	ug/l	
99-09-2	3-Nitroaniline	ND	10	4.0	ug/l	
100-01-6	4-Nitroaniline	ND	10	4.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	38%	14-62%
4165-62-2	Phenol-d5	26%	10-40%

Method Blank Summary

Job Number: F49425
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20601-MB	U002200.D	1	05/23/07	NJ	05/16/07	OP20601	SU111

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49425-1, F49425-2, F49425-3, F49425-4, F49425-5, F49425-6

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	75%	33-118%
4165-60-0	Nitrobenzene-d5	70%	42-108%
321-60-8	2-Fluorobiphenyl	67%	40-106%
1718-51-0	Terphenyl-d14	80%	39-121%

Method Blank Summary

Job Number: F49425
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20601-MB	U002233.D	1	05/24/07	NJ	05/16/07	OP20601	SU112

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49425-1, F49425-2, F49425-3, F49425-4, F49425-5, F49425-6

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	2.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	2.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	5.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	2.0	ug/l	
	3&4-Methylphenol	ND	5.0	2.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	2.0	ug/l	
100-02-7	4-Nitrophenol	ND	25	10	ug/l	
87-86-5	Pentachlorophenol	ND	25	10	ug/l	
108-95-2	Phenol	ND	5.0	2.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.0	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
92-87-5	Benzidine	ND	25	15	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	4.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	2.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	1.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	

Method Blank Summary

Job Number: F49425
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20601-MB	U002233.D	1	05/24/07	NJ	05/16/07	OP20601	SU112

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49425-1, F49425-2, F49425-3, F49425-4, F49425-5, F49425-6

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	1.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	2.5	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	2.5	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	2.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
88-74-4	2-Nitroaniline	ND	10	4.0	ug/l	
99-09-2	3-Nitroaniline	ND	10	4.0	ug/l	
100-01-6	4-Nitroaniline	ND	10	4.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	38%	14-62%
4165-62-2	Phenol-d5	25%	10-40%

Method Blank Summary

Job Number: F49425
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20601-MB	U002233.D	1	05/24/07	NJ	05/16/07	OP20601	SU112

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49425-1, F49425-2, F49425-3, F49425-4, F49425-5, F49425-6

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	68%	33-118%
4165-60-0	Nitrobenzene-d5	70%	42-108%
321-60-8	2-Fluorobiphenyl	66%	40-106%
1718-51-0	Terphenyl-d14	81%	39-121%

Blank Spike Summary

Job Number: F49425
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20601-BS	U002199.D	1	05/23/07	NJ	05/16/07	OP20601	SU111

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49425-1, F49425-2, F49425-3, F49425-4, F49425-5, F49425-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-57-8	2-Chlorophenol	50	34.5	69	44-103
59-50-7	4-Chloro-3-methyl phenol	50	37.8	76	53-105
120-83-2	2,4-Dichlorophenol	50	40.9	82	53-108
105-67-9	2,4-Dimethylphenol	50	31.7	63	37-91
51-28-5	2,4-Dinitrophenol	100	68.7	69	37-111
534-52-1	4,6-Dinitro-o-cresol	100	83.3	83	62-115
95-48-7	2-Methylphenol	50	27.7	55	35-91
	3&4-Methylphenol	100	49.5	50	32-85
88-75-5	2-Nitrophenol	50	41.2	82	49-111
100-02-7	4-Nitrophenol	100	24.6	25	13-55
87-86-5	Pentachlorophenol	100	82.4	82	57-118
108-95-2	Phenol	50	11.4	23	13-54
95-95-4	2,4,5-Trichlorophenol	50	40.1	80	59-106
88-06-2	2,4,6-Trichlorophenol	50	40.4	81	58-107
83-32-9	Acenaphthene	50	40.9	82	58-106
208-96-8	Acenaphthylene	50	40.6	81	58-105
120-12-7	Anthracene	50	41.9	84	65-108
92-87-5	Benzidine	50	21.3	43	15-73
56-55-3	Benzo(a)anthracene	50	40.6	81	63-111
50-32-8	Benzo(a)pyrene	50	40.9	82	62-106
205-99-2	Benzo(b)fluoranthene	50	40.3	81	63-109
191-24-2	Benzo(g,h,i)perylene	50	40.3	81	61-111
207-08-9	Benzo(k)fluoranthene	50	42.5	85	64-111
101-55-3	4-Bromophenyl phenyl ether	50	40.9	82	64-107
85-68-7	Butyl benzyl phthalate	50	37.7	75	59-114
100-51-6	Benzyl Alcohol	50	27.5	55	34-98
91-58-7	2-Chloronaphthalene	50	38.7	77	54-105
106-47-8	4-Chloroaniline	50	39.7	79	53-103
218-01-9	Chrysene	50	40.9	82	64-111
111-91-1	bis(2-Chloroethoxy)methane	50	35.6	71	48-101
111-44-4	bis(2-Chloroethyl)ether	50	36.5	73	51-108
108-60-1	bis(2-Chloroisopropyl)ether	50	32.6	65	43-106
7005-72-3	4-Chlorophenyl phenyl ether	50	39.9	80	61-107
95-50-1	1,2-Dichlorobenzene	50	33.5	67	41-102
541-73-1	1,3-Dichlorobenzene	50	31.9	64	38-100
106-46-7	1,4-Dichlorobenzene	50	32.3	65	40-100

Blank Spike Summary

Job Number: F49425
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20601-BS	U002199.D	1	05/23/07	NJ	05/16/07	OP20601	SU111

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49425-1, F49425-2, F49425-3, F49425-4, F49425-5, F49425-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
121-14-2	2,4-Dinitrotoluene	50	41.4	83	60-109
606-20-2	2,6-Dinitrotoluene	50	37.8	76	58-104
91-94-1	3,3'-Dichlorobenzidine	50	39.5	79	57-105
53-70-3	Dibenzo(a,h)anthracene	50	39.7	79	62-112
132-64-9	Dibenzofuran	50	39.7	79	61-108
84-74-2	Di-n-butyl phthalate	50	40.6	81	62-109
117-84-0	Di-n-octyl phthalate	50	35.7	71	60-120
84-66-2	Diethyl phthalate	50	40.9	82	62-109
131-11-3	Dimethyl phthalate	50	40.4	81	63-106
117-81-7	bis(2-Ethylhexyl)phthalate	50	36.2	72	59-116
206-44-0	Fluoranthene	50	42.4	85	65-114
86-73-7	Fluorene	50	41.3	83	61-106
118-74-1	Hexachlorobenzene	50	41.4	83	62-107
87-68-3	Hexachlorobutadiene	50	35.3	71	38-107
77-47-4	Hexachlorocyclopentadiene	50	29.1	58	19-84
67-72-1	Hexachloroethane	50	29.3	59	35-101
193-39-5	Indeno(1,2,3-cd)pyrene	50	40.1	80	61-113
78-59-1	Isophorone	50	40.0	80	56-111
91-57-6	2-Methylnaphthalene	50	39.6	79	56-112
88-74-4	2-Nitroaniline	50	40.0	80	60-109
99-09-2	3-Nitroaniline	50	39.1	78	52-107
100-01-6	4-Nitroaniline	50	40.3	81	59-111
91-20-3	Naphthalene	50	37.6	75	50-104
98-95-3	Nitrobenzene	50	38.5	77	52-105
621-64-7	N-Nitroso-di-n-propylamine	50	37.8	76	51-104
86-30-6	N-Nitrosodiphenylamine	50	40.3	81	57-110
85-01-8	Phenanthrene	50	41.4	83	65-108
129-00-0	Pyrene	50	41.0	82	60-113
120-82-1	1,2,4-Trichlorobenzene	50	35.4	71	45-104

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	37%	14-62%
4165-62-2	Phenol-d5	23%	10-40%
118-79-6	2,4,6-Tribromophenol	85%	33-118%

Blank Spike Summary

Job Number: F49425
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20601-BS	U002199.D	1	05/23/07	NJ	05/16/07	OP20601	SU111

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49425-1, F49425-2, F49425-3, F49425-4, F49425-5, F49425-6

CAS No.	Surrogate Recoveries	BSP	Limits
4165-60-0	Nitrobenzene-d5	79%	42-108%
321-60-8	2-Fluorobiphenyl	76%	40-106%
1718-51-0	Terphenyl-d14	81%	39-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49425
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20601-MS	U002218.D	1	05/23/07	NJ	05/16/07	OP20601	SU111
OP20601-MSD	U002219.D	1	05/23/07	NJ	05/16/07	OP20601	SU111
F49469-1	U002217.D	1	05/23/07	NJ	05/16/07	OP20601	SU111

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49425-1, F49425-2, F49425-3, F49425-4, F49425-5, F49425-6

CAS No.	Compound	F49469-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	ND		192	56.8	30	61.3	32	8	10-50/40
95-57-8	2-Chlorophenol	ND		96.2	61.0	63	70.2	73	14	44-103/29
59-50-7	4-Chloro-3-methyl phenol	ND		96.2	73.3	76	77.6	81	6	53-105/24
120-83-2	2,4-Dichlorophenol	ND		96.2	68.7	71	78.3	81	13	53-108/26
105-67-9	2,4-Dimethylphenol	ND		96.2	49.7	52	50.4	52	1	37-91/28
51-28-5	2,4-Dinitrophenol	ND		192	135	70	143	74	6	37-111/30
534-52-1	4,6-Dinitro-o-cresol	ND		192	161	84	166	86	3	62-115/26
95-48-7	2-Methylphenol	ND		96.2	55.5	58	66.7	69	18	35-91/30
	3&4-Methylphenol	ND		192	106	55	129	67	20	32-85/29
88-75-5	2-Nitrophenol	ND		96.2	68.5	71	78.0	81	13	49-111/30
100-02-7	4-Nitrophenol	ND		192	89.4	46	94.5	49	6	13-55/31
87-86-5	Pentachlorophenol	ND		192	162	84	166	86	2	57-118/26
108-95-2	Phenol	ND		96.2	33.7	35	46.9	49	33	13-54/34
95-95-4	2,4,5-Trichlorophenol	ND		96.2	76.8	80	80.4	84	5	59-106/23
88-06-2	2,4,6-Trichlorophenol	ND		96.2	73.9	77	79.3	82	7	58-107/24
83-32-9	Acenaphthene	ND		96.2	73.7	77	76.9	80	4	58-106/21
208-96-8	Acenaphthylene	ND		96.2	73.2	76	77.3	80	5	58-105/21
120-12-7	Anthracene	ND		96.2	80.8	84	78.0	81	4	65-108/19
92-87-5	Benzidine	ND		96.2	ND	0*	ND	0*	nc	15-73/23
56-55-3	Benzo(a)anthracene	ND		96.2	81.5	85	80.0	83	2	63-111/19
50-32-8	Benzo(a)pyrene	ND		96.2	81.2	84	78.0	81	4	62-106/20
205-99-2	Benzo(b)fluoranthene	ND		96.2	80.3	84	81.7	85	2	63-109/20
191-24-2	Benzo(g,h,i)perylene	ND		96.2	84.7	88	77.8	81	8	61-111/21
207-08-9	Benzo(k)fluoranthene	ND		96.2	84.0	87	81.0	84	4	64-111/20
101-55-3	4-Bromophenyl phenyl ether	ND		96.2	79.8	83	80.7	84	1	64-107/20
85-68-7	Butyl benzyl phthalate	ND		96.2	74.0	77	75.4	78	2	59-114/20
100-51-6	Benzyl Alcohol	ND		96.2	59.8	62	65.7	68	9	34-98/27
91-58-7	2-Chloronaphthalene	ND		96.2	68.7	71	74.6	78	8	54-105/24
106-47-8	4-Chloroaniline	ND		96.2	64.7	67	68.8	72	6	53-103/22
218-01-9	Chrysene	ND		96.2	81.5	85	80.1	83	2	64-111/19
111-91-1	bis(2-Chloroethoxy)methane	ND		96.2	57.1	59	65.5	68	14	48-101/28
111-44-4	bis(2-Chloroethyl)ether	ND		96.2	58.3	61	67.0	70	14	51-108/27
108-60-1	bis(2-Chloroisopropyl)ether	ND		96.2	48.5	50	56.9	59	16	43-106/27
7005-72-3	4-Chlorophenyl phenyl ether	ND		96.2	75.8	79	76.5	80	1	61-107/20
95-50-1	1,2-Dichlorobenzene	ND		96.2	61.5	64	71.2	74	15	41-102/28
541-73-1	1,3-Dichlorobenzene	ND		96.2	59.4	62	69.5	72	16	38-100/28

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49425
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20601-MS	U002218.D	1	05/23/07	NJ	05/16/07	OP20601	SU111
OP20601-MSD	U002219.D	1	05/23/07	NJ	05/16/07	OP20601	SU111
F49469-1	U002217.D	1	05/23/07	NJ	05/16/07	OP20601	SU111

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49425-1, F49425-2, F49425-3, F49425-4, F49425-5, F49425-6

CAS No.	Compound	F49469-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
106-46-7	1,4-Dichlorobenzene	ND		96.2	59.0	61	69.4	72	16	40-100/28
121-14-2	2,4-Dinitrotoluene	ND		96.2	80.6	84	78.2	81	3	60-109/20
606-20-2	2,6-Dinitrotoluene	ND		96.2	75.1	78	74.0	77	1	58-104/21
91-94-1	3,3'-Dichlorobenzidine	ND		96.2	62.2	65	51.3	53*	19	57-105/25
53-70-3	Dibenzo(a,h)anthracene	ND		96.2	83.7	87	76.5	80	9	62-112/20
132-64-9	Dibenzofuran	ND		96.2	73.1	76	75.5	79	3	61-108/20
84-74-2	Di-n-butyl phthalate	ND		96.2	77.4	80	76.9	80	1	62-109/20
117-84-0	Di-n-octyl phthalate	ND		96.2	67.5	70	72.2	75	7	60-120/24
84-66-2	Diethyl phthalate	ND		96.2	78.4	82	77.2	80	2	62-109/19
131-11-3	Dimethyl phthalate	ND		96.2	77.7	81	77.6	81	0	63-106/19
117-81-7	bis(2-Ethylhexyl)phthalate	ND		96.2	68.9	72	71.7	75	4	59-116/21
206-44-0	Fluoranthene	ND		96.2	82.5	86	79.6	83	4	65-114/21
86-73-7	Fluorene	ND		96.2	77.9	81	78.1	81	0	61-106/19
118-74-1	Hexachlorobenzene	ND		96.2	81.4	85	79.8	83	2	62-107/20
87-68-3	Hexachlorobutadiene	ND		96.2	67.3	70	79.2	82	16	38-107/30
77-47-4	Hexachlorocyclopentadiene	ND		96.2	48.8	51	58.6	61	18	19-84/35
67-72-1	Hexachloroethane	ND		96.2	58.4	61	70.2	73	18	35-101/29
193-39-5	Indeno(1,2,3-cd)pyrene	ND		96.2	84.8	88	79.5	83	6	61-113/20
78-59-1	Isophorone	ND		96.2	66.1	69	73.2	76	10	56-111/26
91-57-6	2-Methylnaphthalene	ND		96.2	67.4	70	75.5	79	11	56-112/26
88-74-4	2-Nitroaniline	ND		96.2	74.8	78	67.3	70	11	60-109/20
99-09-2	3-Nitroaniline	ND		96.2	75.1	78	70.7	74	6	52-107/21
100-01-6	4-Nitroaniline	ND		96.2	76.6	80	68.3	71	11	59-111/21
91-20-3	Naphthalene	ND		96.2	64.6	67	72.3	75	11	50-104/28
98-95-3	Nitrobenzene	ND		96.2	63.2	66	73.5	76	15	52-105/28
621-64-7	N-Nitroso-di-n-propylamine	ND		96.2	59.2	62	66.6	69	12	51-104/28
86-30-6	N-Nitrosodiphenylamine	ND		96.2	79.3	82	78.2	81	1	57-110/19
85-01-8	Phenanthrene	ND		96.2	81.2	84	79.6	83	2	65-108/20
129-00-0	Pyrene	ND		96.2	82.1	85	82.6	86	1	60-113/20
120-82-1	1,2,4-Trichlorobenzene	ND		96.2	64.5	67	73.5	76	13	45-104/28

CAS No.	Surrogate Recoveries	MS	MSD	F49469-1	Limits
367-12-4	2-Fluorophenol	46%	56%	31%	14-62%
4165-62-2	Phenol-d5	36%	49%*	21%	10-40%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49425
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20601-MS	U002218.D	1	05/23/07	NJ	05/16/07	OP20601	SU111
OP20601-MSD	U002219.D	1	05/23/07	NJ	05/16/07	OP20601	SU111
F49469-1	U002217.D	1	05/23/07	NJ	05/16/07	OP20601	SU111

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49425-1, F49425-2, F49425-3, F49425-4, F49425-5, F49425-6

CAS No.	Surrogate Recoveries	MS	MSD	F49469-1	Limits
118-79-6	2,4,6-Tribromophenol	87%	86%	76%	33-118%
4165-60-0	Nitrobenzene-d5	66%	74%	67%	42-108%
321-60-8	2-Fluorobiphenyl	68%	75%	66%	40-106%
1718-51-0	Terphenyl-d14	80%	82%	49%	39-121%

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F49425
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GHH1152-MB	HH026217.D	1	05/18/07	TD	n/a	n/a	GHH1152

The QC reported here applies to the following samples: **Method:** SW846 8015

F49425-1, F49425-2, F49425-3, F49425-4, F49425-5, F49425-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	87%	57-129%
98-08-8	aaa-Trifluorotoluene	81%	58-120%

Blank Spike Summary

Job Number: F49425
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GHH1152-BS	HH026216.D	1	05/18/07	TD	n/a	n/a	GHH1152

The QC reported here applies to the following samples: **Method:** SW846 8015

F49425-1, F49425-2, F49425-3, F49425-4, F49425-5, F49425-6

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	0.4	0.452	113	75-129

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	98%	57-129%
98-08-8	aaa-Trifluorotoluene	100%	58-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49425
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49350-2MS	HH026224.D	1	05/18/07	TD	n/a	n/a	GHH1152
F49350-2MSD	HH026225.D	1	05/18/07	TD	n/a	n/a	GHH1152
F49350-2	HH026221.D	1	05/18/07	TD	n/a	n/a	GHH1152

The QC reported here applies to the following samples: **Method:** SW846 8015

F49425-1, F49425-2, F49425-3, F49425-4, F49425-5, F49425-6

CAS No.	Compound	F49350-2 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		0.4	0.530	133*	0.508	127	4	75-129/13

CAS No.	Surrogate Recoveries	MS	MSD	F49350-2	Limits
460-00-4	4-Bromofluorobenzene	95%	94%	80%	57-129%
98-08-8	aaa-Trifluorotoluene	95%	96%	80%	58-120%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F49425
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20593-MB	YY02396.D	1	05/17/07	MG	05/16/07	OP20593	GYY93

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F49425-1, F49425-2, F49425-3, F49425-4, F49425-5, F49425-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.25	0.10	mg/l	
	TPH (> C22-C36)	ND	0.25	0.10	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	86%	42-114%

Method Blank Summary

Job Number: F49425
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20593-MB	YY02455.D	1	05/22/07	MG	05/16/07	OP20593	GYY96

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F49425-1, F49425-2, F49425-3, F49425-4, F49425-5, F49425-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.25	0.10	mg/l	
	TPH (> C22-C36)	ND	0.25	0.10	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	82%	42-114%

Method Blank Summary

Job Number: F49425
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20593-MB	YY02513.D	1	05/24/07	MG	05/16/07	OP20593	GYY97

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F49425-1, F49425-2, F49425-3, F49425-4, F49425-5, F49425-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.25	0.10	mg/l	
	TPH (> C22-C36)	ND	0.25	0.10	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	97%	42-114%

Blank Spike Summary

Job Number: F49425
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20593-BS	YY02395.D	1	05/17/07	MG	05/16/07	OP20593	GYY93

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F49425-1, F49425-2, F49425-3, F49425-4, F49425-5, F49425-6

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH (C10-C22)	1	0.784	78	60-140
	TPH (> C22-C36)	1	0.953	95	60-140

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	83%	42-114%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49425
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20593-MS	YY02407.D	1	05/17/07	MG	05/16/07	OP20593	GYY93
OP20593-MSD	YY02408.D	1	05/17/07	MG	05/16/07	OP20593	GYY93
F49469-1	YY02406.D	1	05/17/07	MG	05/16/07	OP20593	GYY93

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F49425-1, F49425-2, F49425-3, F49425-4, F49425-5, F49425-6

CAS No.	Compound	F49469-1 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		2	1.68	84	1.47	74	13	60-140/30
	TPH (> C22-C36)	ND		2	1.99	100	2.10	105	5	60-140/30

CAS No.	Surrogate Recoveries	MS	MSD	F49469-1	Limits
84-15-1	o-Terphenyl	85%	84%	81%	42-114%

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F49425
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11950
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 05/11/07

Metal	RL	IDL	MB raw	final
Mercury	1.0	.08	-0.054	<1.0

Associated samples MP11950: F49425-1, F49425-2, F49425-3, F49425-4, F49425-5, F49425-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F49425
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11950 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/11/07 05/11/07

Metal	F49370-1 Original	DUP	RPD	QC Limits	F49370-1 Original	MS	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.0	0.0	NC	0-20	0.0	2.9	3	96.7	80-120

Associated samples MP11950: F49425-1, F49425-2, F49425-3, F49425-4, F49425-5, F49425-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F49425
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11950 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/11/07

Metal	F49370-1 Original	MSD	Spikelot HGFLWS1	% Rec	MSD RPD	QC Limit
Mercury	0.0	2.8	3	93.3	3.5	20

Associated samples MP11950: F49425-1, F49425-2, F49425-3, F49425-4, F49425-5, F49425-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F49425
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11950
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 05/11/07

Metal	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	2.8	3	93.3	80-120

Associated samples MP11950: F49425-1, F49425-2, F49425-3, F49425-4, F49425-5, F49425-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: F49425
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11950 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/11/07

Metal	F49370-1 Original	SDL 1:5	RPD	QC Limits
Mercury	0.00	0.00	NC	0-10

Associated samples MP11950: F49425-1, F49425-2, F49425-3, F49425-4, F49425-5, F49425-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F49425
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12011
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 05/17/07

Metal	RL	IDL	MB raw	final
Aluminum	200	18		
Antimony	6.0	3.4		
Arsenic	10	2.8	0.73	<10
Barium	200	5	0.040	<200
Beryllium	4.0	1		
Cadmium	5.0	1	0.14	<5.0
Calcium	1000	42		
Chromium	10	.6	-0.27	<10
Cobalt	50	1		
Copper	25	.9		
Iron	300	12	anr	
Lead	10	1.7	2.1	<10
Magnesium	5000	4.3		
Manganese	15	.6		
Molybdenum	50	1.3		
Nickel	40	1		
Potassium	10000	10		
Selenium	10	2	-1.0	<10
Silver	10	.9	0.050	<10
Sodium	10000	500		
Thallium	10	2.3		
Tin	50	3.1		
Vanadium	50	.6		
Zinc	20	1.3		

Associated samples MP12011: F49425-1, F49425-2, F49425-3, F49425-4, F49425-5, F49425-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F49425
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12011
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 05/17/07 05/17/07

Metal	F49425-1 Original	DUP	RPD	QC Limits	F49425-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic	17.0	14.3	17.3	0-20	17.0	1970	2000	97.7	80-120
Barium	13.3	13.2	0.8	0-20	13.3	2070	2000	102.8	80-120
Beryllium									
Cadmium	0.0	0.0	NC	0-20	0.0	46.8	50	93.6	80-120
Calcium									
Chromium	1.1	1.0	9.5	0-20	1.1	182	200	90.5	80-120
Cobalt									
Copper									
Iron	anr								
Lead	0.0	2.3	200.0(a)	0-20	0.0	496	500	99.2	80-120
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	0.0	0.0	NC	0-20	0.0	2180	2000	109.0	80-120
Silver	0.0	0.0	NC	0-20	0.0	60.8	50	121.6N(b	80-120
Sodium									
Thallium									
Tin									
Vanadium									
Zinc									

Associated samples MP12011: F49425-1, F49425-2, F49425-3, F49425-4, F49425-5, F49425-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) RPD acceptable due to low duplicate and sample concentrations.
(b) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F49425
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12011 Methods: SW846 6010B
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/17/07

Metal	F49425-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	17.0	1940	2000	96.2	1.5	20
Barium	13.3	2000	2000	99.3	3.4	20
Beryllium						
Cadmium	0.0	45.9	50	91.8	1.9	20
Calcium						
Chromium	1.1	181	200	90.0	0.6	20
Cobalt						
Copper						
Iron	anr					
Lead	0.0	490	500	98.0	1.2	20
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium	0.0	2150	2000	107.5	1.4	20
Silver	0.0	59.3	50	118.6	2.5	20
Sodium						
Thallium						
Tin						
Vanadium						
Zinc						

Associated samples MP12011: F49425-1, F49425-2, F49425-3, F49425-4, F49425-5, F49425-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F49425
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12011
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 05/17/07

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	1890	2000	94.5	80-120
Barium	2010	2000	100.5	80-120
Beryllium				
Cadmium	50.8	50	101.6	80-120
Calcium				
Chromium	198	200	99.0	80-120
Cobalt				
Copper				
Iron	anr			
Lead	485	500	97.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	1890	2000	94.5	80-120
Silver	46.4	50	92.8	80-120
Sodium				
Thallium				
Tin				
Vanadium				
Zinc				

Associated samples MP12011: F49425-1, F49425-2, F49425-3, F49425-4, F49425-5, F49425-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: F49425
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12011
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 05/17/07

Metal	F49425-1 Original	SDL 1:5	RPD	QC Limits
Aluminum				
Antimony				
Arsenic	17.0	0.00	100.0(a)	0-10
Barium	13.3	0.00	100.0(a)	0-10
Beryllium				
Cadmium	0.00	0.00	NC	0-10
Calcium				
Chromium	1.13	0.00	100.0(a)	0-10
Cobalt				
Copper				
Iron	anr			
Lead	0.00	0.00	NC	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	0.00	0.00	NC	0-10
Silver	0.00	0.00	NC	0-10
Sodium				
Thallium				
Tin				
Vanadium				
Zinc				

Associated samples MP12011: F49425-1, F49425-2, F49425-3, F49425-4, F49425-5, F49425-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: F49425
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Solids, Total Dissolved	GN25431	100	<100	mg/l				

Associated Samples:
Batch GN25431: F49425-1, F49425-2, F49425-3, F49425-4, F49425-5, F49425-6
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: F49425
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Solids, Total Dissolved	GN25431	F49469-1	mg/l	5670	5690	0.2	0-30%

Associated Samples:
Batch GN25431: F49425-1, F49425-2, F49425-3, F49425-4, F49425-5, F49425-6
(*) Outside of QC limits

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

10/29/08

Technical Report for

Bhate Environmental Associates, Inc.

HOLMN

PROJECT # 9050361.01.02

Accutest Job Number: F49463

Sampling Date: 05/10/07

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **115**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Note: This report is password protected to disallow document modification or assembly.
A password to unlock this report is available from your client service representative.

Sections: 1 2 3 4 5 6 7 8 9

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F49463-1: SS61-DP74 25' 7
3.2: F49463-2: SS61-TRIP BLANK 16
3.3: F49463-3: SS61-DP70 16' 19
3.4: F49463-4: SS61-DP71 17' 28
3.5: F49463-5: SS61-DP72 17' 37
Section 4: Misc. Forms **46**
4.1: Chain of Custody 47
Section 5: GC/MS Volatiles - QC Data Summaries **49**
5.1: Method Blank Summary 50
5.2: Blank Spike Summary 60
5.3: Matrix Spike/Matrix Spike Duplicate Summary 70
Section 6: GC/MS Semi-volatiles - QC Data Summaries **80**
6.1: Method Blank Summary 81
6.2: Blank Spike Summary 87
6.3: Matrix Spike/Matrix Spike Duplicate Summary 90
Section 7: GC Volatiles - QC Data Summaries **93**
7.1: Method Blank Summary 94
7.2: Blank Spike Summary 96
7.3: Matrix Spike/Matrix Spike Duplicate Summary 98
Section 8: GC Semi-volatiles - QC Data Summaries **100**
8.1: Method Blank Summary 101
8.2: Blank Spike Summary 103
8.3: Matrix Spike/Matrix Spike Duplicate Summary 104
Section 9: Metals Analysis - QC Data Summaries **105**
9.1: Prep QC MP11969: Hg 106
9.2: Prep QC MP12047: As,Ba,Cd,Cr,Pb,Se,Ag 111

Sample Summary

Bhate Environmental Associates, Inc.

Job No: F49463

HOLMN
Project No: PROJECT # 9050361.01.02

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F49463-1	05/10/07	10:30	BW	05/11/07	SO	Soil	SS61-DP74 25'
F49463-2	05/10/07	00:00	BW	05/11/07	AQ	Trip Blank Soil	SS61-TRIP BLANK
F49463-3	05/10/07	13:15	BW	05/11/07	SO	Soil	SS61-DP70 16'
F49463-4	05/10/07	15:00	BW	05/11/07	SO	Soil	SS61-DP71 17'
F49463-4D	05/10/07	15:00	BW	05/11/07	SO	Soil Dup/MSD	SS61-DP71 17'
F49463-4S	05/10/07	15:00	BW	05/11/07	SO	Soil Matrix Spike	SS61-DP71 17'
F49463-5	05/10/07	16:00	BW	05/11/07	SO	Soil	SS61-DP72 17'

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Bhate Environmental Associates, Inc. **Job No:** F49463

Site: HOLMN **Report Date** 6/4/2007 1:25:48 PM

4 Samples, 1 Trip Blank were collected on 05/10/2007 and received at Accutest on 05/11/2007 properly preserved, at 3.6 Deg. C and intact. These Samples received an Accutest job number of F49463. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VJ2132

Sample(s) F49499-1MS, F49499-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for Acrolein, BS/MS/MSD for Vinyl Acetate are outside control limits. Biased high, not detected in the samples, data integrity not adversely affected.

Matrix Spike Recovery(s) for 1-Chlorohexane, 2-Chloroethyl vinyl ether, 4-Methyl-2-pentanone, Ethyl methacrylate are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1-Chlorohexane, 2-Chloroethyl vinyl ether, Acetone, Ethyl methacrylate are outside control limits. Probable cause due to matrix interference. See Blank Spike.

RPD(s) for MSD for 2-Chloroethyl vinyl ether are outside control limits for sample F49499-1MSD. Probable cause due to sample homogeneity.

Matrix: SO **Batch ID:** VF368

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49463-4MS, F49463-4MSD were used as the QC samples indicated.

Blank Spike Recovery(s) for Acrolein are outside control limits. Biased high, not detected in the samples, data integrity not adversely affected.

Matrix Spike Recovery(s) for 1,2,4-Trichlorobenzene, 1-Chlorohexane, Acetone, Acetonitrile, Acrolein, Dichlorodifluoromethane, Hexachlorobutadiene, Isopropylbenzene, n-Butylbenzene, p-Isopropyltoluene, Propionitrile are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 2-Chloroethyl vinyl ether, Acetonitrile, Dichlorodifluoromethane, Isopropylbenzene, Methyl methacrylate, Propionitrile, Vinyl chloride are outside control limits. Probable cause due to matrix interference.

Matrix: SO **Batch ID:** VF370

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Hexachlorobutadiene are outside control limits. Biased high, not detected in the samples, data integrity not adversely affected.

F49463-3: Results from different vials are not consistant.

Matrix: SO **Batch ID:** VF372

All method blanks for this batch meet method specific criteria.

F49463-5: Sample re-analyzed beyond hold time; reported results are considered minimum values.

Extractables by GCMS By Method SW846 8270C

Matrix: SO **Batch ID:** OP20683

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F49463-4MS, F49463-4MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

MS and/or MSD Recovery(s) for 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Benzidine, Hexachloroethane are outside control limits. Probable cause due to matrix interference.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GCD3190

All samples were analyzed within the recommended method holding time.

Sample(s) F49463-4MS, F49463-4MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Sample(s) F49463-1MS, F49463-1, F49463-1MSD have surrogates outside control limits. Probable cause due to matrix interference.

Matrix: SO **Batch ID:** GCD3192

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49463-1MS, F49463-1MSD were used as the QC samples indicated.

MS/MSD Recovery(s) for TPH-GRO (C6-C10) are outside control limits. Probable cause due to matrix interference.

Sample(s) F49463-1MS, F49463-1, F49463-1MSD have surrogates outside control limits. Probable cause due to matrix interference.

F49463-1MSD for 4-Bromofluorobenzene: Outside control limits due to matrix interference. Confirmed by reanalysis.

F49463-1MS for 4-Bromofluorobenzene: Outside control limits due to matrix interference.

F49463-1 for 4-Bromofluorobenzene: Outside control limits due to matrix interference. Confirmed by reanalysis.

Extractables by GC By Method SW846 8015 M

Matrix: SO **Batch ID:** OP20690

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49463-4MS, F49463-4MSD were used as the QC samples indicated.

Metals By Method SW846 6010B

Matrix: SO **Batch ID:** MP12047

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49463-4DUP, F49463-4MS, F49463-4MSD, F49463-4SDL were used as the QC samples for metals.

RPD(s) for Serial Dilution for Arsenic, Cadmium, Chromium are outside control limits for sample MP12047-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

MP12047-SD1 for Chromium: Serial dilution indicates possible matrix interference.

Metals By Method SW846 7471A

Matrix: SO **Batch ID:** MP11969

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49463-4DUP, F49463-4MS, F49463-4MSD, F49463-4SDL were used as the QC samples for metals.

Wet Chemistry By Method EPA 160.3 M

Matrix: SO **Batch ID:** GN25433

Sample(s) F49417-6DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: June 04, 2007

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-DP74 25'		
Lab Sample ID:	F49463-1	**Date Sampled:**	05/10/07
Matrix:	SO - Soil	**Date Received:**	05/11/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.0
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F021461.D	1	05/24/07	WJ	05/12/07 11:52	n/a	VF370
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.50 g	5.0 ml	100 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3000	1500	ug/kg	
75-05-8	Acetonitrile	ND	3000	2100	ug/kg	
107-02-8	Acrolein	ND	1500	910	ug/kg	
107-13-1	Acrylonitrile	ND	1500	760	ug/kg	
107-05-1	Allyl chloride	ND	1500	300	ug/kg	
71-43-2	Benzene	ND	300	120	ug/kg	
100-44-7	Benzyl Chloride	ND	300	180	ug/kg	
108-86-1	Bromobenzene	ND	300	120	ug/kg	
74-97-5	Bromochloromethane	ND	300	120	ug/kg	
75-27-4	Bromodichloromethane	ND	300	120	ug/kg	
75-25-2	Bromoform	ND	300	120	ug/kg	
104-51-8	n-Butylbenzene	ND	300	180	ug/kg	
135-98-8	sec-Butylbenzene	301	300	120	ug/kg	
98-06-6	tert-Butylbenzene	ND	300	120	ug/kg	
108-90-7	Chlorobenzene	ND	300	120	ug/kg	
75-00-3	Chloroethane	ND	300	180	ug/kg	
67-66-3	Chloroform	ND	300	120	ug/kg	
544-10-5	1-Chlorohexane	ND	300	120	ug/kg	
95-49-8	o-Chlorotoluene	ND	300	120	ug/kg	
106-43-4	p-Chlorotoluene	ND	300	120	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1500	760	ug/kg	
75-15-0	Carbon disulfide	ND	300	120	ug/kg	
56-23-5	Carbon tetrachloride	ND	300	120	ug/kg	
75-34-3	1,1-Dichloroethane	ND	300	120	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	300	120	ug/kg	
563-58-6	1,1-Dichloropropene	ND	300	120	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	300	180	ug/kg	
106-93-4	1,2-Dibromoethane	ND	300	120	ug/kg	
107-06-2	1,2-Dichloroethane	ND	300	120	ug/kg	
78-87-5	1,2-Dichloropropane	ND	300	120	ug/kg	
142-28-9	1,3-Dichloropropane	ND	300	120	ug/kg	
594-20-7	2,2-Dichloropropane	ND	300	120	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP74 25'		
Lab Sample ID:	F49463-1	**Date Sampled:**	05/10/07
Matrix:	SO - Soil	**Date Received:**	05/11/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.0
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	300	120	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	300	180	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	300	120	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	300	120	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	1500	300	ug/kg	
541-73-1	m-Dichlorobenzene	ND	300	120	ug/kg	
95-50-1	o-Dichlorobenzene	ND	300	120	ug/kg	
106-46-7	p-Dichlorobenzene	ND	300	120	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	300	120	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	300	120	ug/kg	
100-41-4	Ethylbenzene	1160	300	120	ug/kg	
97-63-2	Ethyl methacrylate	ND	1500	300	ug/kg	
76-13-1	Freon 113	ND	300	120	ug/kg	
591-78-6	2-Hexanone	ND	1500	610	ug/kg	
87-68-3	Hexachlorobutadiene	ND	300	120	ug/kg	
110-54-3	Hexane	ND	300	180	ug/kg	
98-82-8	Isopropylbenzene	12000	300	120	ug/kg	
99-87-6	p-Isopropyltoluene	ND	300	120	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1500	610	ug/kg	
126-98-7	Methacrylonitrile	ND	1500	610	ug/kg	
74-83-9	Methyl bromide	ND	300	120	ug/kg	
74-87-3	Methyl chloride	ND	300	120	ug/kg	
74-88-4	Methyl iodide	ND	610	120	ug/kg	
80-62-6	Methyl methacrylate	ND	1500	300	ug/kg	
74-95-3	Methylene bromide	ND	300	120	ug/kg	
75-09-2	Methylene chloride	ND	610	300	ug/kg	
78-93-3	Methyl ethyl ketone	ND	1500	610	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	300	120	ug/kg	
91-20-3	Naphthalene	ND	300	120	ug/kg	
76-01-7	Pentachloroethane	ND	1500	300	ug/kg	
107-12-0	Propionitrile	ND	3000	610	ug/kg	
103-65-1	n-Propylbenzene	448	300	120	ug/kg	
100-42-5	Styrene	ND	300	120	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	300	120	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	300	120	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	300	120	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	300	120	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	300	120	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	300	150	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	300	120	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP74 25'		
Lab Sample ID:	F49463-1	**Date Sampled:**	05/10/07
Matrix:	SO - Soil	**Date Received:**	05/11/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.0
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	300	180	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	300	120	ug/kg	
127-18-4	Tetrachloroethylene	ND	300	120	ug/kg	
108-88-3	Toluene	ND	300	120	ug/kg	
79-01-6	Trichloroethylene	ND	300	120	ug/kg	
75-69-4	Trichlorofluoromethane	ND	300	120	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	1500	610	ug/kg	
75-01-4	Vinyl chloride	ND	300	120	ug/kg	
108-05-4	Vinyl Acetate	ND	1500	610	ug/kg	
	m,p-Xylene	ND	610	180	ug/kg	
95-47-6	o-Xylene	ND	300	120	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-121%
2037-26-5	Toluene-D8	94%		71-130%
460-00-4	4-Bromofluorobenzene	112%		59-148%
17060-07-0	1,2-Dichloroethane-D4	97%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP74 25'		
Lab Sample ID:	F49463-1	**Date Sampled:**	05/10/07
Matrix:	SO - Soil	**Date Received:**	05/11/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	86.0
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U002247.D	1	05/24/07	NJ	05/22/07	OP20683	SU112
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	970	390	ug/kg	
95-57-8	2-Chlorophenol	ND	190	39	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	39	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	39	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	39	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	970	390	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	390	77	ug/kg	
95-48-7	2-Methylphenol	ND	190	39	ug/kg	
	3&4-Methylphenol	ND	190	39	ug/kg	
88-75-5	2-Nitrophenol	ND	190	39	ug/kg	
100-02-7	4-Nitrophenol	ND	970	390	ug/kg	
87-86-5	Pentachlorophenol	ND	970	390	ug/kg	
108-95-2	Phenol	ND	190	39	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	39	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	39	ug/kg	
83-32-9	Acenaphthene	ND	190	39	ug/kg	
208-96-8	Acenaphthylene	ND	190	39	ug/kg	
120-12-7	Anthracene	ND	190	39	ug/kg	
92-87-5	Benzidine	ND	1900	970	ug/kg	
56-55-3	Benzo(a)anthracene	59.7	190	39	ug/kg	J
50-32-8	Benzo(a)pyrene	ND	190	39	ug/kg	
205-99-2	Benzo(b)fluoranthene	43.5	190	39	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	ND	190	77	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	190	39	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	190	39	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	390	97	ug/kg	
100-51-6	Benzyl Alcohol	ND	190	39	ug/kg	
91-58-7	2-Chloronaphthalene	ND	190	39	ug/kg	
106-47-8	4-Chloroaniline	ND	390	150	ug/kg	
218-01-9	Chrysene	63.5	190	39	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	190	39	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	190	77	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP74 25'		
Lab Sample ID:	F49463-1	**Date Sampled:**	05/10/07
Matrix:	SO - Soil	**Date Received:**	05/11/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	86.0
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	190	39	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	190	39	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	190	39	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	190	39	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	190	39	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	190	77	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	190	77	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	390	190	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	190	77	ug/kg	
132-64-9	Dibenzofuran	ND	190	39	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	390	97	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	390	190	ug/kg	
84-66-2	Diethyl phthalate	ND	390	97	ug/kg	
131-11-3	Dimethyl phthalate	ND	390	97	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	390	190	ug/kg	
206-44-0	Fluoranthene	165	190	39	ug/kg	J
86-73-7	Fluorene	ND	190	39	ug/kg	
118-74-1	Hexachlorobenzene	ND	190	39	ug/kg	
87-68-3	Hexachlorobutadiene	ND	190	77	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	190	77	ug/kg	
67-72-1	Hexachloroethane	ND	190	77	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	190	77	ug/kg	
78-59-1	Isophorone	ND	190	39	ug/kg	
91-57-6	2-Methylnaphthalene	ND	190	39	ug/kg	
88-74-4	2-Nitroaniline	ND	390	97	ug/kg	
99-09-2	3-Nitroaniline	ND	390	97	ug/kg	
100-01-6	4-Nitroaniline	ND	390	140	ug/kg	
91-20-3	Naphthalene	ND	190	39	ug/kg	
98-95-3	Nitrobenzene	ND	190	39	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	190	77	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	39	ug/kg	
85-01-8	Phenanthrene	121	190	39	ug/kg	J
129-00-0	Pyrene	124	190	77	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	190	39	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	59%		40-102%
4165-62-2	Phenol-d5	59%		41-100%
118-79-6	2,4,6-Tribromophenol	63%		42-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP74 25'		
Lab Sample ID:	F49463-1	**Date Sampled:**	05/10/07
Matrix:	SO - Soil	**Date Received:**	05/11/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	86.0
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	58%		40-105%
321-60-8	2-Fluorobiphenyl	56%		43-107%
1718-51-0	Terphenyl-d14	62%		45-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP74 25'		
Lab Sample ID:	F49463-1	**Date Sampled:**	05/10/07
Matrix:	SO - Soil	**Date Received:**	05/11/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	86.0
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD077007.D	1	05/15/07	MM	05/12/07 11:52	n/a	GCD3192
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.50 g	5.0 ml	25.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	126	24	12	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	473% [a]		56-136%
98-08-8	aaa-Trifluorotoluene	83%		61-121%

(a) Outside control limits due to matrix interference. Confirmed by reanalysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP74 25'		
Lab Sample ID:	F49463-1	**Date Sampled:**	05/10/07
Matrix:	SO - Soil	**Date Received:**	05/11/07
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	86.0
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02501.D	1	05/23/07	MG	05/22/07	OP20690	GYY97
Run #2							

	Initial Weight	Final Volume
Run #1	31.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.1	5.5	mg/kg	
	TPH (> C22-C36)	ND	9.1	5.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	71%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP74 25'		
Lab Sample ID:	F49463-1	**Date Sampled:**	05/10/07
Matrix:	SO - Soil	**Date Received:**	05/11/07
		Percent Solids:	86.0
Project:	HOLMN		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.88	0.46	0.22	mg/kg	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3050B [4]
Barium	32.5	12	0.29	mg/kg	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3050B [4]
Cadmium	0.063 J	0.23	0.058	mg/kg	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3050B [4]
Chromium	3.4	0.58	0.052	mg/kg	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3050B [4]
Lead	2.6 J	5.8	0.12	mg/kg	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.0074 U	0.092	0.0074	mg/kg	1	05/14/07	05/14/07	MS	SW846 7471A [1]	SW846 7471A [3]
Selenium	0.12 U	5.8	0.12	mg/kg	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3050B [4]
Silver	0.052 U	0.58	0.052	mg/kg	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA5709
(2) Instrument QC Batch: MA5732
(3) Prep QC Batch: MP11969
(4) Prep QC Batch: MP12047

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-TRIP BLANK		
Lab Sample ID:	F49463-2	**Date Sampled:**	05/10/07
Matrix:	AQ - Trip Blank Soil	**Date Received:**	05/11/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J029932.D	1	05/24/07	JG	n/a	n/a	VJ2132
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
75-05-8	Acetonitrile	ND	20	10	ug/l	
107-02-8	Acrolein	ND	20	10	ug/l	
107-13-1	Acrylonitrile	ND	10	5.0	ug/l	
107-05-1	Allyl chloride	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
100-44-7	Benzyl Chloride	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	1.0	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TRIP BLANK		
Lab Sample ID:	F49463-2	**Date Sampled:**	05/10/07
Matrix:	AQ - Trip Blank Soil	**Date Received:**	05/11/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	2.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
110-54-3	Hexane	ND	2.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
126-98-7	Methacrylonitrile	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
74-88-4	Methyl iodide	ND	5.0	2.5	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	2.5	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	5.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TRIP BLANK		
Lab Sample ID:	F49463-2	**Date Sampled:**	05/10/07
Matrix:	AQ - Trip Blank Soil	**Date Received:**	05/11/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	10	5.0	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		87-116%
17060-07-0	1,2-Dichloroethane-D4	103%		76-127%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	104%		84-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP70 16'		
Lab Sample ID:	F49463-3	**Date Sampled:**	05/10/07
Matrix:	SO - Soil	**Date Received:**	05/11/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	74.8
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	F021470.D	1	05/24/07	WJ	05/12/07 11:52	n/a	VF370
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.68 g	5.0 ml	50.0 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	7600	3800	ug/kg	
75-05-8	Acetonitrile	ND	7600	5300	ug/kg	
107-02-8	Acrolein	ND	3800	2300	ug/kg	
107-13-1	Acrylonitrile	ND	3800	1900	ug/kg	
107-05-1	Allyl chloride	ND	3800	760	ug/kg	
71-43-2	Benzene	ND	760	300	ug/kg	
100-44-7	Benzyl Chloride	ND	760	450	ug/kg	
108-86-1	Bromobenzene	ND	760	300	ug/kg	
74-97-5	Bromochloromethane	ND	760	300	ug/kg	
75-27-4	Bromodichloromethane	ND	760	300	ug/kg	
75-25-2	Bromoform	ND	760	300	ug/kg	
104-51-8	n-Butylbenzene	ND	760	450	ug/kg	
135-98-8	sec-Butylbenzene	ND	760	300	ug/kg	
98-06-6	tert-Butylbenzene	ND	760	300	ug/kg	
108-90-7	Chlorobenzene	ND	760	300	ug/kg	
75-00-3	Chloroethane	ND	760	450	ug/kg	
67-66-3	Chloroform	ND	760	300	ug/kg	
544-10-5	1-Chlorohexane	ND	760	300	ug/kg	
95-49-8	o-Chlorotoluene	ND	760	300	ug/kg	
106-43-4	p-Chlorotoluene	ND	760	300	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	3800	1900	ug/kg	
75-15-0	Carbon disulfide	ND	760	300	ug/kg	
56-23-5	Carbon tetrachloride	ND	760	300	ug/kg	
75-34-3	1,1-Dichloroethane	ND	760	300	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	760	300	ug/kg	
563-58-6	1,1-Dichloropropene	ND	760	300	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	760	450	ug/kg	
106-93-4	1,2-Dibromoethane	ND	760	300	ug/kg	
107-06-2	1,2-Dichloroethane	ND	760	300	ug/kg	
78-87-5	1,2-Dichloropropane	ND	760	300	ug/kg	
142-28-9	1,3-Dichloropropane	ND	760	300	ug/kg	
594-20-7	2,2-Dichloropropane	ND	760	300	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP70 16'		
Lab Sample ID:	F49463-3	**Date Sampled:**	05/10/07
Matrix:	SO - Soil	**Date Received:**	05/11/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	74.8
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	760	300	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	760	450	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	760	300	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	760	300	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	3800	760	ug/kg	
541-73-1	m-Dichlorobenzene	ND	760	300	ug/kg	
95-50-1	o-Dichlorobenzene	ND	760	300	ug/kg	
106-46-7	p-Dichlorobenzene	ND	760	300	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	760	300	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	760	300	ug/kg	
100-41-4	Ethylbenzene	ND	760	300	ug/kg	
97-63-2	Ethyl methacrylate	ND	3800	760	ug/kg	
76-13-1	Freon 113	ND	760	300	ug/kg	
591-78-6	2-Hexanone	ND	3800	1500	ug/kg	
87-68-3	Hexachlorobutadiene	ND	760	300	ug/kg	
110-54-3	Hexane	ND	760	450	ug/kg	
98-82-8	Isopropylbenzene	387	760	300	ug/kg	J
99-87-6	p-Isopropyltoluene	ND	760	300	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	3800	1500	ug/kg	
126-98-7	Methacrylonitrile	ND	3800	1500	ug/kg	
74-83-9	Methyl bromide	ND	760	300	ug/kg	
74-87-3	Methyl chloride	ND	760	300	ug/kg	
74-88-4	Methyl iodide	ND	1500	300	ug/kg	
80-62-6	Methyl methacrylate	ND	3800	760	ug/kg	
74-95-3	Methylene bromide	ND	760	300	ug/kg	
75-09-2	Methylene chloride	ND	1500	760	ug/kg	
78-93-3	Methyl ethyl ketone	ND	3800	1500	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	760	300	ug/kg	
91-20-3	Naphthalene	ND	760	300	ug/kg	
76-01-7	Pentachloroethane	ND	3800	760	ug/kg	
107-12-0	Propionitrile	ND	7600	1500	ug/kg	
103-65-1	n-Propylbenzene	ND	760	300	ug/kg	
100-42-5	Styrene	ND	760	300	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	760	300	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	760	300	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	760	300	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	760	300	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	760	300	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	760	380	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	760	300	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP70 16'		
Lab Sample ID:	F49463-3	**Date Sampled:**	05/10/07
Matrix:	SO - Soil	**Date Received:**	05/11/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	74.8
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	760	450	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	760	300	ug/kg	
127-18-4	Tetrachloroethylene	ND	760	300	ug/kg	
108-88-3	Toluene	ND	760	300	ug/kg	
79-01-6	Trichloroethylene	ND	760	300	ug/kg	
75-69-4	Trichlorofluoromethane	ND	760	300	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	3800	1500	ug/kg	
75-01-4	Vinyl chloride	ND	760	300	ug/kg	
108-05-4	Vinyl Acetate	ND	3800	1500	ug/kg	
	m,p-Xylene	ND	1500	450	ug/kg	
95-47-6	o-Xylene	ND	760	300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-121%
2037-26-5	Toluene-D8	94%		71-130%
460-00-4	4-Bromofluorobenzene	113%		59-148%
17060-07-0	1,2-Dichloroethane-D4	79%		77-123%

(a) Results from different vials are not consistant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP70 16'		
Lab Sample ID:	F49463-3	**Date Sampled:**	05/10/07
Matrix:	SO - Soil	**Date Received:**	05/11/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	74.8
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U002248.D	1	05/24/07	NJ	05/22/07	OP20683	SU112
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	1100	440	ug/kg	
95-57-8	2-Chlorophenol	ND	220	44	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	220	44	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	220	44	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	220	44	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1100	440	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	440	87	ug/kg	
95-48-7	2-Methylphenol	ND	220	44	ug/kg	
	3&4-Methylphenol	ND	220	44	ug/kg	
88-75-5	2-Nitrophenol	ND	220	44	ug/kg	
100-02-7	4-Nitrophenol	ND	1100	440	ug/kg	
87-86-5	Pentachlorophenol	ND	1100	440	ug/kg	
108-95-2	Phenol	ND	220	44	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	220	44	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	220	44	ug/kg	
83-32-9	Acenaphthene	ND	220	44	ug/kg	
208-96-8	Acenaphthylene	ND	220	44	ug/kg	
120-12-7	Anthracene	ND	220	44	ug/kg	
92-87-5	Benzidine	ND	2200	1100	ug/kg	
56-55-3	Benzo(a)anthracene	ND	220	44	ug/kg	
50-32-8	Benzo(a)pyrene	ND	220	44	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	220	44	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	220	87	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	220	44	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	220	44	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	440	110	ug/kg	
100-51-6	Benzyl Alcohol	ND	220	44	ug/kg	
91-58-7	2-Chloronaphthalene	ND	220	44	ug/kg	
106-47-8	4-Chloroaniline	ND	440	170	ug/kg	
218-01-9	Chrysene	ND	220	44	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	220	44	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	220	87	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP70 16'		
Lab Sample ID:	F49463-3	**Date Sampled:**	05/10/07
Matrix:	SO - Soil	**Date Received:**	05/11/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	74.8
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	220	44	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	220	44	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	220	44	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	220	44	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	220	44	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	220	87	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	220	87	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	440	220	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	220	87	ug/kg	
132-64-9	Dibenzofuran	ND	220	44	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	440	110	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	440	220	ug/kg	
84-66-2	Diethyl phthalate	ND	440	110	ug/kg	
131-11-3	Dimethyl phthalate	ND	440	110	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	440	220	ug/kg	
206-44-0	Fluoranthene	ND	220	44	ug/kg	
86-73-7	Fluorene	ND	220	44	ug/kg	
118-74-1	Hexachlorobenzene	ND	220	44	ug/kg	
87-68-3	Hexachlorobutadiene	ND	220	87	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	220	87	ug/kg	
67-72-1	Hexachloroethane	ND	220	87	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	220	87	ug/kg	
78-59-1	Isophorone	ND	220	44	ug/kg	
91-57-6	2-Methylnaphthalene	ND	220	44	ug/kg	
88-74-4	2-Nitroaniline	ND	440	110	ug/kg	
99-09-2	3-Nitroaniline	ND	440	110	ug/kg	
100-01-6	4-Nitroaniline	ND	440	150	ug/kg	
91-20-3	Naphthalene	ND	220	44	ug/kg	
98-95-3	Nitrobenzene	ND	220	44	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	220	87	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	220	44	ug/kg	
85-01-8	Phenanthrene	ND	220	44	ug/kg	
129-00-0	Pyrene	ND	220	87	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	220	44	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	74%		40-102%
4165-62-2	Phenol-d5	77%		41-100%
118-79-6	2,4,6-Tribromophenol	78%		42-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP70 16'		
Lab Sample ID:	F49463-3	**Date Sampled:**	05/10/07
Matrix:	SO - Soil	**Date Received:**	05/11/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	74.8
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	75%		40-105%
321-60-8	2-Fluorobiphenyl	70%		43-107%
1718-51-0	Terphenyl-d14	78%		45-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP70 16'		
Lab Sample ID:	F49463-3	**Date Sampled:**	05/10/07
Matrix:	SO - Soil	**Date Received:**	05/11/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	74.8
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD076979.D	1	05/14/07	MM	05/12/07 11:52	n/a	GCD3190
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.68 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	4.07	7.6	3.8	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		56-136%
98-08-8	aaa-Trifluorotoluene	82%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP70 16'		
Lab Sample ID:	F49463-3	**Date Sampled:**	05/10/07
Matrix:	SO - Soil	**Date Received:**	05/11/07
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	74.8
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02502.D	1	05/23/07	MG	05/22/07	OP20690	GYY97
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	11	6.7	mg/kg	
	TPH (> C22-C36)	ND	11	6.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	82%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP70 16'		
Lab Sample ID:	F49463-3	**Date Sampled:**	05/10/07
Matrix:	SO - Soil	**Date Received:**	05/11/07
		Percent Solids:	74.8
Project:	HOLMN		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.77	0.53	0.26	mg/kg	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3050B [4]
Barium	63.7	13	0.33	mg/kg	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3050B [4]
Cadmium	0.092 J	0.27	0.067	mg/kg	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3050B [4]
Chromium	3.9	0.67	0.060	mg/kg	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3050B [4]
Lead	3.7 J	6.7	0.13	mg/kg	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.0075 U	0.094	0.0075	mg/kg	1	05/14/07	05/14/07	MS	SW846 7471A [1]	SW846 7471A [3]
Selenium	0.13 U	6.7	0.13	mg/kg	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3050B [4]
Silver	0.060 U	0.67	0.060	mg/kg	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA5709
(2) Instrument QC Batch: MA5732
(3) Prep QC Batch: MP11969
(4) Prep QC Batch: MP12047

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-DP71 17'		
Lab Sample ID:	F49463-4	**Date Sampled:**	05/10/07
Matrix:	SO - Soil	**Date Received:**	05/11/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.4
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F021432.D	1	05/23/07	WJ	05/12/07 11:52	n/a	VF368
Run #2							

	Initial Weight
Run #1	5.57 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	51	26	ug/kg	
75-05-8	Acetonitrile	ND	51	36	ug/kg	
107-02-8	Acrolein	ND	26	15	ug/kg	
107-13-1	Acrylonitrile	ND	26	13	ug/kg	
107-05-1	Allyl chloride	ND	26	5.1	ug/kg	
71-43-2	Benzene	ND	5.1	2.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.1	3.1	ug/kg	
108-86-1	Bromobenzene	ND	5.1	2.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.1	2.1	ug/kg	
75-27-4	Bromodichloromethane	ND	5.1	2.1	ug/kg	
75-25-2	Bromoform	ND	5.1	2.1	ug/kg	
104-51-8	n-Butylbenzene	ND	5.1	3.1	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.1	2.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.1	2.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.1	2.1	ug/kg	
75-00-3	Chloroethane	ND	5.1	3.1	ug/kg	
67-66-3	Chloroform	ND	5.1	2.1	ug/kg	
544-10-5	1-Chlorohexane	ND	5.1	2.1	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.1	2.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.1	2.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	26	13	ug/kg	
75-15-0	Carbon disulfide	ND	5.1	2.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.1	2.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.1	2.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.1	2.1	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.1	2.1	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.1	3.1	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.1	2.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.1	2.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.1	2.1	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.1	2.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.1	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP71 17'		
Lab Sample ID:	F49463-4	**Date Sampled:**	05/10/07
Matrix:	SO - Soil	**Date Received:**	05/11/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.4
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.1	2.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.1	3.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.1	2.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.1	2.1	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	26	5.1	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.1	2.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.1	2.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.1	2.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.1	2.1	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.1	2.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.1	2.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	26	5.1	ug/kg	
76-13-1	Freon 113	ND	5.1	2.1	ug/kg	
591-78-6	2-Hexanone	ND	26	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.1	2.1	ug/kg	
110-54-3	Hexane	ND	5.1	3.1	ug/kg	
98-82-8	Isopropylbenzene	ND	5.1	2.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.1	2.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	26	10	ug/kg	
126-98-7	Methacrylonitrile	ND	26	10	ug/kg	
74-83-9	Methyl bromide	ND	5.1	2.1	ug/kg	
74-87-3	Methyl chloride	ND	5.1	2.1	ug/kg	
74-88-4	Methyl iodide	ND	10	2.1	ug/kg	
80-62-6	Methyl methacrylate	ND	26	5.1	ug/kg	
74-95-3	Methylene bromide	ND	5.1	2.1	ug/kg	
75-09-2	Methylene chloride	ND	10	5.1	ug/kg	
78-93-3	Methyl ethyl ketone	ND	26	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.1	2.1	ug/kg	
91-20-3	Naphthalene	ND	5.1	2.1	ug/kg	
76-01-7	Pentachloroethane	ND	26	5.1	ug/kg	
107-12-0	Propionitrile	ND	51	10	ug/kg	
103-65-1	n-Propylbenzene	ND	5.1	2.1	ug/kg	
100-42-5	Styrene	ND	5.1	2.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.1	2.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.1	2.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.1	2.1	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.1	2.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.1	2.1	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.1	2.6	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.1	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP71 17'		
Lab Sample ID:	F49463-4	**Date Sampled:**	05/10/07
Matrix:	SO - Soil	**Date Received:**	05/11/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.4
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.1	3.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.1	2.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.1	2.1	ug/kg	
108-88-3	Toluene	ND	5.1	2.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.1	2.1	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.1	2.1	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	26	10	ug/kg	
75-01-4	Vinyl chloride	ND	5.1	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	26	10	ug/kg	
	m,p-Xylene	ND	10	3.1	ug/kg	
95-47-6	o-Xylene	ND	5.1	2.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-121%
2037-26-5	Toluene-D8	101%		71-130%
460-00-4	4-Bromofluorobenzene	97%		59-148%
17060-07-0	1,2-Dichloroethane-D4	108%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP71 17'		
Lab Sample ID:	F49463-4	**Date Sampled:**	05/10/07
Matrix:	SO - Soil	**Date Received:**	05/11/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	87.4
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U002244.D	1	05/24/07	NJ	05/22/07	OP20683	SU112
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	940	380	ug/kg	
95-57-8	2-Chlorophenol	ND	190	38	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	38	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	38	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	38	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	940	380	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	380	76	ug/kg	
95-48-7	2-Methylphenol	ND	190	38	ug/kg	
	3&4-Methylphenol	ND	190	38	ug/kg	
88-75-5	2-Nitrophenol	ND	190	38	ug/kg	
100-02-7	4-Nitrophenol	ND	940	380	ug/kg	
87-86-5	Pentachlorophenol	ND	940	380	ug/kg	
108-95-2	Phenol	ND	190	38	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	38	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	38	ug/kg	
83-32-9	Acenaphthene	ND	190	38	ug/kg	
208-96-8	Acenaphthylene	ND	190	38	ug/kg	
120-12-7	Anthracene	ND	190	38	ug/kg	
92-87-5	Benzidine	ND	1900	940	ug/kg	
56-55-3	Benzo(a)anthracene	ND	190	38	ug/kg	
50-32-8	Benzo(a)pyrene	ND	190	38	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	190	38	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	190	76	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	190	38	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	190	38	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	380	94	ug/kg	
100-51-6	Benzyl Alcohol	ND	190	38	ug/kg	
91-58-7	2-Chloronaphthalene	ND	190	38	ug/kg	
106-47-8	4-Chloroaniline	ND	380	150	ug/kg	
218-01-9	Chrysene	ND	190	38	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	190	38	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	190	76	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP71 17'		
Lab Sample ID:	F49463-4	**Date Sampled:**	05/10/07
Matrix:	SO - Soil	**Date Received:**	05/11/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	87.4
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	190	38	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	190	38	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	190	38	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	190	38	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	190	38	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	190	76	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	190	76	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	380	190	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	190	76	ug/kg	
132-64-9	Dibenzofuran	ND	190	38	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	380	94	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	380	190	ug/kg	
84-66-2	Diethyl phthalate	ND	380	94	ug/kg	
131-11-3	Dimethyl phthalate	ND	380	94	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	380	190	ug/kg	
206-44-0	Fluoranthene	ND	190	38	ug/kg	
86-73-7	Fluorene	ND	190	38	ug/kg	
118-74-1	Hexachlorobenzene	ND	190	38	ug/kg	
87-68-3	Hexachlorobutadiene	ND	190	76	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	190	76	ug/kg	
67-72-1	Hexachloroethane	ND	190	76	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	190	76	ug/kg	
78-59-1	Isophorone	ND	190	38	ug/kg	
91-57-6	2-Methylnaphthalene	ND	190	38	ug/kg	
88-74-4	2-Nitroaniline	ND	380	94	ug/kg	
99-09-2	3-Nitroaniline	ND	380	94	ug/kg	
100-01-6	4-Nitroaniline	ND	380	130	ug/kg	
91-20-3	Naphthalene	ND	190	38	ug/kg	
98-95-3	Nitrobenzene	ND	190	38	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	190	76	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	38	ug/kg	
85-01-8	Phenanthrene	ND	190	38	ug/kg	
129-00-0	Pyrene	ND	190	76	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	190	38	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	62%		40-102%
4165-62-2	Phenol-d5	64%		41-100%
118-79-6	2,4,6-Tribromophenol	70%		42-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP71 17'		
Lab Sample ID:	F49463-4	**Date Sampled:**	05/10/07
Matrix:	SO - Soil	**Date Received:**	05/11/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	87.4
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	61%		40-105%
321-60-8	2-Fluorobiphenyl	61%		43-107%
1718-51-0	Terphenyl-d14	75%		45-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP71 17'		
Lab Sample ID:	F49463-4	**Date Sampled:**	05/10/07
Matrix:	SO - Soil	**Date Received:**	05/11/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	87.4
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD076980.D	1	05/14/07	MM	05/12/07 11:52	n/a	GCD3190
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.76 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.7	3.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	80%		56-136%
98-08-8	aaa-Trifluorotoluene	81%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP71 17'		
Lab Sample ID:	F49463-4	**Date Sampled:**	05/10/07
Matrix:	SO - Soil	**Date Received:**	05/11/07
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	87.4
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02503.D	1	05/23/07	MG	05/22/07	OP20690	GYY97
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.5	5.7	mg/kg	
	TPH (> C22-C36)	ND	9.5	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	78%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP71 17'		
Lab Sample ID:	F49463-4	**Date Sampled:**	05/10/07
Matrix:	SO - Soil	**Date Received:**	05/11/07
		Percent Solids:	87.4
Project:	HOLMN		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	1.1	0.46	0.22	mg/kg	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3050B [4]
Barium	75.1	11	0.29	mg/kg	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3050B [4]
Cadmium	0.24	0.23	0.057	mg/kg	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3050B [4]
Chromium	7.5	0.57	0.051	mg/kg	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3050B [4]
Lead	2.6 J	5.7	0.11	mg/kg	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.0072 U	0.089	0.0072	mg/kg	1	05/14/07	05/14/07	MS	SW846 7471A [1]	SW846 7471A [3]
Selenium	0.11 U	5.7	0.11	mg/kg	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3050B [4]
Silver	0.051 U	0.57	0.051	mg/kg	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA5709
(2) Instrument QC Batch: MA5732
(3) Prep QC Batch: MP11969
(4) Prep QC Batch: MP12047

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-DP72 17'		
Lab Sample ID:	F49463-5	**Date Sampled:**	05/10/07
Matrix:	SO - Soil	**Date Received:**	05/11/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	76.1
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F021467.D	1	05/24/07	WJ	05/12/07 11:52	n/a	VF370
Run #2 [a]	F021488.D	1	05/25/07	WJ	05/12/07 11:52	n/a	VF372

	Initial Weight
Run #1	5.26 g
Run #2	5.05 g

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	62	31	ug/kg	
75-05-8	Acetonitrile	ND	62	44	ug/kg	
107-02-8	Acrolein	ND	31	19	ug/kg	
107-13-1	Acrylonitrile	ND	31	16	ug/kg	
107-05-1	Allyl chloride	ND	31	6.2	ug/kg	
71-43-2	Benzene	18.8	6.2	2.5	ug/kg	
100-44-7	Benzyl Chloride	ND	6.2	3.7	ug/kg	
108-86-1	Bromobenzene	ND	6.2	2.5	ug/kg	
74-97-5	Bromochloromethane	ND	6.2	2.5	ug/kg	
75-27-4	Bromodichloromethane	ND	6.2	2.5	ug/kg	
75-25-2	Bromoform	ND	6.2	2.5	ug/kg	
104-51-8	n-Butylbenzene	ND	6.2	3.7	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.2	2.5	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.2	2.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.2	2.5	ug/kg	
75-00-3	Chloroethane	ND	6.2	3.7	ug/kg	
67-66-3	Chloroform	ND	6.2	2.5	ug/kg	
544-10-5	1-Chlorohexane	ND	6.2	2.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.2	2.5	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.2	2.5	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	31	16	ug/kg	
75-15-0	Carbon disulfide	ND	6.2	2.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.2	2.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.2	2.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.2	2.5	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.2	2.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.2	3.7	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.2	2.5	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.2	2.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.2	2.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.2	2.5	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.2	2.5	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP72 17'		
Lab Sample ID:	F49463-5	**Date Sampled:**	05/10/07
Matrix:	SO - Soil	**Date Received:**	05/11/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	76.1
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	6.2	2.5	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.2	3.7	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.2	2.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.2	2.5	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	31	6.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.2	2.5	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.2	2.5	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.2	2.5	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.2	2.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.2	2.5	ug/kg	
100-41-4	Ethylbenzene	ND	6.2	2.5	ug/kg	
97-63-2	Ethyl methacrylate	ND	31	6.2	ug/kg	
76-13-1	Freon 113	ND	6.2	2.5	ug/kg	
591-78-6	2-Hexanone	ND	31	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.2	2.5	ug/kg	
110-54-3	Hexane	ND	6.2	3.7	ug/kg	
98-82-8	Isopropylbenzene	ND [b]	6.5	2.6	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.2	2.5	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	31	12	ug/kg	
126-98-7	Methacrylonitrile	ND	31	12	ug/kg	
74-83-9	Methyl bromide	ND	6.2	2.5	ug/kg	
74-87-3	Methyl chloride	ND	6.2	2.5	ug/kg	
74-88-4	Methyl iodide	ND	12	2.5	ug/kg	
80-62-6	Methyl methacrylate	ND	31	6.2	ug/kg	
74-95-3	Methylene bromide	ND	6.2	2.5	ug/kg	
75-09-2	Methylene chloride	ND	12	6.2	ug/kg	
78-93-3	Methyl ethyl ketone	ND	31	12	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.2	2.5	ug/kg	
91-20-3	Naphthalene	ND	6.2	2.5	ug/kg	
76-01-7	Pentachloroethane	ND	31	6.2	ug/kg	
107-12-0	Propionitrile	ND	62	12	ug/kg	
103-65-1	n-Propylbenzene	ND	6.2	2.5	ug/kg	
100-42-5	Styrene	ND	6.2	2.5	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.2	2.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.2	2.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.2	2.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.2	2.5	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.2	2.5	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.2	3.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.2	2.5	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP72 17'		
Lab Sample ID:	F49463-5	**Date Sampled:**	05/10/07
Matrix:	SO - Soil	**Date Received:**	05/11/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	76.1
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	6.2	3.7	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.2	2.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.2	2.5	ug/kg	
108-88-3	Toluene	ND	6.2	2.5	ug/kg	
79-01-6	Trichloroethylene	ND	6.2	2.5	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.2	2.5	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	31	12	ug/kg	
75-01-4	Vinyl chloride	ND	6.2	2.5	ug/kg	
108-05-4	Vinyl Acetate	ND	31	12	ug/kg	
	m,p-Xylene	ND	12	3.7	ug/kg	
95-47-6	o-Xylene	ND	6.2	2.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%	103%	80-121%
2037-26-5	Toluene-D8	96%	96%	71-130%
460-00-4	4-Bromofluorobenzene	115%	118%	59-148%
17060-07-0	1,2-Dichloroethane-D4	82%	95%	77-123%

(a) Sample re-analyzed beyond hold time; reported results are considered minimum values.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP72 17'		
Lab Sample ID:	F49463-5	**Date Sampled:**	05/10/07
Matrix:	SO - Soil	**Date Received:**	05/11/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	76.1
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U002249.D	1	05/24/07	NJ	05/22/07	OP20683	SU112
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	1100	430	ug/kg	
95-57-8	2-Chlorophenol	ND	210	43	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	210	43	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	210	43	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	210	43	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1100	430	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	430	85	ug/kg	
95-48-7	2-Methylphenol	ND	210	43	ug/kg	
	3&4-Methylphenol	ND	210	43	ug/kg	
88-75-5	2-Nitrophenol	ND	210	43	ug/kg	
100-02-7	4-Nitrophenol	ND	1100	430	ug/kg	
87-86-5	Pentachlorophenol	ND	1100	430	ug/kg	
108-95-2	Phenol	ND	210	43	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	210	43	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	210	43	ug/kg	
83-32-9	Acenaphthene	ND	210	43	ug/kg	
208-96-8	Acenaphthylene	ND	210	43	ug/kg	
120-12-7	Anthracene	ND	210	43	ug/kg	
92-87-5	Benzidine	ND	2100	1100	ug/kg	
56-55-3	Benzo(a)anthracene	ND	210	43	ug/kg	
50-32-8	Benzo(a)pyrene	ND	210	43	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	210	43	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	210	85	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	210	43	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	210	43	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	430	110	ug/kg	
100-51-6	Benzyl Alcohol	ND	210	43	ug/kg	
91-58-7	2-Chloronaphthalene	ND	210	43	ug/kg	
106-47-8	4-Chloroaniline	ND	430	170	ug/kg	
218-01-9	Chrysene	ND	210	43	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	210	43	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	210	85	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP72 17'		
Lab Sample ID:	F49463-5	**Date Sampled:**	05/10/07
Matrix:	SO - Soil	**Date Received:**	05/11/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	76.1
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	210	43	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	210	43	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	210	43	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	210	43	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	210	43	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	210	85	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	210	85	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	430	210	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	210	85	ug/kg	
132-64-9	Dibenzofuran	ND	210	43	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	430	110	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	430	210	ug/kg	
84-66-2	Diethyl phthalate	ND	430	110	ug/kg	
131-11-3	Dimethyl phthalate	ND	430	110	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	430	210	ug/kg	
206-44-0	Fluoranthene	ND	210	43	ug/kg	
86-73-7	Fluorene	ND	210	43	ug/kg	
118-74-1	Hexachlorobenzene	ND	210	43	ug/kg	
87-68-3	Hexachlorobutadiene	ND	210	85	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	210	85	ug/kg	
67-72-1	Hexachloroethane	ND	210	85	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	210	85	ug/kg	
78-59-1	Isophorone	ND	210	43	ug/kg	
91-57-6	2-Methylnaphthalene	ND	210	43	ug/kg	
88-74-4	2-Nitroaniline	ND	430	110	ug/kg	
99-09-2	3-Nitroaniline	ND	430	110	ug/kg	
100-01-6	4-Nitroaniline	ND	430	150	ug/kg	
91-20-3	Naphthalene	ND	210	43	ug/kg	
98-95-3	Nitrobenzene	ND	210	43	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	210	85	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	210	43	ug/kg	
85-01-8	Phenanthrene	ND	210	43	ug/kg	
129-00-0	Pyrene	ND	210	85	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	210	43	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	69%		40-102%
4165-62-2	Phenol-d5	71%		41-100%
118-79-6	2,4,6-Tribromophenol	73%		42-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP72 17'		
Lab Sample ID:	F49463-5	**Date Sampled:**	05/10/07
Matrix:	SO - Soil	**Date Received:**	05/11/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	76.1
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	69%		40-105%
321-60-8	2-Fluorobiphenyl	65%		43-107%
1718-51-0	Terphenyl-d14	75%		45-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP72 17'		
Lab Sample ID:	F49463-5	**Date Sampled:**	05/10/07
Matrix:	SO - Soil	**Date Received:**	05/11/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	76.1
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD076981.D	1	05/14/07	MM	05/12/07 11:52	n/a	GCD3190
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.72 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.3	3.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	85%		56-136%
98-08-8	aaa-Trifluorotoluene	80%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP72 17'		
Lab Sample ID:	F49463-5	**Date Sampled:**	05/10/07
Matrix:	SO - Soil	**Date Received:**	05/11/07
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	76.1
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02508.D	1	05/23/07	MG	05/22/07	OP20690	GYY97
Run #2							

	Initial Weight	Final Volume
Run #1	29.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	11	6.6	mg/kg	
	TPH (> C22-C36)	ND	11	6.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	72%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SS61-DP72 17'
Lab Sample ID: F49463-5
Matrix: SO - Soil
Project: HOLMN

Date Sampled: 05/10/07
Date Received: 05/11/07
Percent Solids: 76.1

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.41 J	0.51	0.25	mg/kg	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3050B [4]
Barium	77.4	13	0.32	mg/kg	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3050B [4]
Cadmium	0.18 J	0.25	0.063	mg/kg	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3050B [4]
Chromium	5.2	0.63	0.057	mg/kg	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3050B [4]
Lead	1.8 J	6.3	0.13	mg/kg	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.0077 U	0.097	0.0077	mg/kg	1	05/14/07	05/14/07	MS	SW846 7471A [1]	SW846 7471A [3]
Selenium	0.13 U	6.3	0.13	mg/kg	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3050B [4]
Silver	0.057 U	0.63	0.057	mg/kg	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA5709
(2) Instrument QC Batch: MA5732
(3) Prep QC Batch: MP11969
(4) Prep QC Batch: MP12047

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

F49463

Chain of Custody and Analytical Request

Page: 1 of 1
Project No: 9050361.01.02
COC Number(1): 05-10-2007-01
LIMS Number:

Facility/Base I.D.: Holloman Air Force Base
Project/Site Name: SS-61 Voluntary Corrective Measures
Client Name: USACE
Collected by: J. Moore/C. McGriff/R. Currance/B. Wolfe

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code (2)	Sample Number (3)	Sample Matrix (4)	Number of containers	VOC, 8260B	SVOC, 8270C	TPH, 8015M	RCRA Metals, 6010B, 7471A					Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
1	SS61- DP-10		10-May-2007	1030	25	N	—	SO	6	1	1	1	1								1
2	SS61- Trip Blank	—	10-May-2007		—	TB	—	WQ	6	1	~~1~~										
3	SS61- DP-10	—	09-May-2007	1315	16	N	—	SO	6	1	1	1	1								1
4	SS61- DP-11		09-May-2007	1500	17	N	—	SO	6	1	1	1	1								1
4	SS61- DP-11		09-May-2007	1500	17	MS	—	SO	6	1	1	1	1								1
5	SS61- DP-11		09-May-2007	1500	17	SD	—	SO	6	1	1	1	1								1
	SS61- DP-12		09-May-2007	1600	17	N	—	SO	6	1	1	1	1								1
	SS61-				-				6												
	SS61-				-				6												
	SS61-				-				6												
	SS61-				-				6												

Sample Analysis Requested (5) | Quality Assurance Samples (6)

COMMENTS:

Custody Transfers Prior to Receipt by Laboratory

Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1. [signature]	5-10-07	1500	1. Released To FedEx		
2. FED EX	5-11-07	09:00	2. [signature]		
3.			3.		

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab:		Shipped No.:	
Method of Shipment:	FedEx	Airbill Number:	
Analytical Lab:	Accutest	Delivery Location:	Orlando, FL
Lab Recipient:		Delivery Date/Time:	

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)
2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-e) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)
3.) Sample Number: Unique sample number collected from a particular location per day (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)
4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks
5.) Sample Analyses Requested: Analytical method requested and number of containers provided for each
6.) Quality Assurance Samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc.) (e.g. Equipment Blank collected in association with MW-1 on 10/10/99 will be designated 101099001 in the Equipment Blank Lot Control

3.6

F49463: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F49463 CLIENT: BHATE PROJECT: SS-61 VOLUNTARY CORP.

DATE/TIME RECEIVED: 05-11-07 09:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 3.6

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8610 5421 4679

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 24

NUMBER OF 5035 FIELD KITS ? 8

NUMBER OR LAB FILTERED METALS ? 8

SUMMARY OF COMMENTS: RECEIVED ONE WATER TRIP BLANK #2

TECHNICIAN SIGNATURE/DATE: [signature] 05-11-07 TECHNICIAN SIGNATURE/DATE: ASBD 10/03/06

4.1 4

F49463: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF368-MB	F021431.D	1	05/23/07	WJ	n/a	n/a	VF368

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49463-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	35	ug/kg	
107-02-8	Acrolein	ND	25	15	ug/kg	
107-13-1	Acrylonitrile	ND	25	13	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	2.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	3.0	ug/kg	
108-86-1	Bromobenzene	ND	5.0	2.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	2.0	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	2.0	ug/kg	
75-25-2	Bromoform	ND	5.0	2.0	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	3.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	2.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	2.0	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	2.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	3.0	ug/kg	
67-66-3	Chloroform	ND	5.0	2.0	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	2.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	2.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	2.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	13	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	2.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	2.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	2.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	2.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	3.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	2.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	2.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	2.0	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	2.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	2.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	3.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	2.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF368-MB	F021431.D	1	05/23/07	WJ	n/a	n/a	VF368

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49463-4

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	2.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	2.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	2.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	2.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	2.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	2.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.0	ug/kg	
591-78-6	2-Hexanone	ND	25	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/kg	
110-54-3	Hexane	ND	5.0	3.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	2.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	2.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	10	ug/kg	
126-98-7	Methacrylonitrile	ND	25	10	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.0	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.0	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	2.0	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	2.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	10	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	2.0	ug/kg	
100-42-5	Styrene	ND	5.0	2.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	2.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	2.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	2.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF368-MB	F021431.D	1	05/23/07	WJ	n/a	n/a	VF368

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49463-4

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	3.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	2.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	2.0	ug/kg	
108-88-3	Toluene	ND	5.0	2.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	2.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	10	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	10	ug/kg	
	m,p-Xylene	ND	10	3.0	ug/kg	
95-47-6	o-Xylene	ND	5.0	2.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	80-121%
2037-26-5	Toluene-D8	102%	71-130%
460-00-4	4-Bromofluorobenzene	100%	59-148%
17060-07-0	1,2-Dichloroethane-D4	102%	77-123%

Method Blank Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF370-MB	F021460.D	1	05/24/07	WJ	n/a	n/a	VF370

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49463-1, F49463-3, F49463-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	35	ug/kg	
107-02-8	Acrolein	ND	25	15	ug/kg	
107-13-1	Acrylonitrile	ND	25	13	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	2.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	3.0	ug/kg	
108-86-1	Bromobenzene	ND	5.0	2.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	2.0	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	2.0	ug/kg	
75-25-2	Bromoform	ND	5.0	2.0	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	3.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	2.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	2.0	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	2.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	3.0	ug/kg	
67-66-3	Chloroform	ND	5.0	2.0	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	2.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	2.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	2.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	13	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	2.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	2.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	2.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	2.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	3.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	2.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	2.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	2.0	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	2.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	2.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	3.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	2.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF370-MB	F021460.D	1	05/24/07	WJ	n/a	n/a	VF370

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49463-1, F49463-3, F49463-5

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	2.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	2.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	2.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	2.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	2.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	2.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.0	ug/kg	
591-78-6	2-Hexanone	ND	25	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/kg	
110-54-3	Hexane	ND	5.0	3.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	2.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	2.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	10	ug/kg	
126-98-7	Methacrylonitrile	ND	25	10	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.0	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.0	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	2.0	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	2.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	10	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	2.0	ug/kg	
100-42-5	Styrene	ND	5.0	2.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	2.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	2.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	2.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF370-MB	F021460.D	1	05/24/07	WJ	n/a	n/a	VF370

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49463-1, F49463-3, F49463-5

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	3.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	2.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	2.0	ug/kg	
108-88-3	Toluene	ND	5.0	2.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	2.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	10	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	10	ug/kg	
	m,p-Xylene	ND	10	3.0	ug/kg	
95-47-6	o-Xylene	ND	5.0	2.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	80-121%
2037-26-5	Toluene-D8	98%	71-130%
460-00-4	4-Bromofluorobenzene	121%	59-148%
17060-07-0	1,2-Dichloroethane-D4	97%	77-123%

Method Blank Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2132-MB	J029933.D	1	05/24/07	JG	n/a	n/a	VJ2132

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49463-2

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
75-05-8	Acetonitrile	ND	20	10	ug/l	
107-02-8	Acrolein	ND	20	10	ug/l	
107-13-1	Acrylonitrile	ND	10	5.0	ug/l	
107-05-1	Allyl chloride	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
100-44-7	Benzyl Chloride	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	1.0	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	

Method Blank Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2132-MB	J029933.D	1	05/24/07	JG	n/a	n/a	VJ2132

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49463-2

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	2.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
110-54-3	Hexane	ND	2.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
126-98-7	Methacrylonitrile	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
74-88-4	Methyl iodide	ND	5.0	2.5	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	2.5	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	5.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

Method Blank Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2132-MB	J029933.D	1	05/24/07	JG	n/a	n/a	VJ2132

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49463-2

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	10	5.0	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	103%	76-127%
2037-26-5	Toluene-D8	99%	86-112%
460-00-4	4-Bromofluorobenzene	106%	84-120%

Method Blank Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF372-MB	F021487.D	1	05/25/07	WJ	n/a	n/a	VF372

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49463-5

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	5.0	2.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	80-121%
2037-26-5	Toluene-D8	97%	71-130%
460-00-4	4-Bromofluorobenzene	115%	59-148%
17060-07-0	1,2-Dichloroethane-D4	85%	77-123%

Blank Spike Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF368-BS	F021430.D	1	05/23/07	WJ	n/a	n/a	VF368

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49463-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	327	131	61-144
75-05-8	Acetonitrile	500	459	92	59-139
107-02-8	Acrolein	250	401	160*	27-156
107-13-1	Acrylonitrile	250	248	99	55-144
107-05-1	Allyl chloride	50	50.6	101	41-152
71-43-2	Benzene	50	57.6	115	78-130
100-44-7	Benzyl Chloride	50	64.6	129	74-130
108-86-1	Bromobenzene	50	57.1	114	78-123
74-97-5	Bromochloromethane	50	53.3	107	72-122
75-27-4	Bromodichloromethane	50	53.6	107	73-122
75-25-2	Bromoform	50	57.1	114	70-139
104-51-8	n-Butylbenzene	50	65.5	131	80-138
135-98-8	sec-Butylbenzene	50	63.7	127	82-132
98-06-6	tert-Butylbenzene	50	59.2	118	79-130
108-90-7	Chlorobenzene	50	59.2	118	83-122
75-00-3	Chloroethane	50	57.7	115	61-153
67-66-3	Chloroform	50	56.6	113	79-129
544-10-5	1-Chlorohexane	50	67.0	134	85-137
95-49-8	o-Chlorotoluene	50	59.1	118	77-123
106-43-4	p-Chlorotoluene	50	58.9	118	78-129
110-75-8	2-Chloroethyl vinyl ether	250	193	77	52-142
75-15-0	Carbon disulfide	50	60.2	120	61-142
56-23-5	Carbon tetrachloride	50	59.7	119	79-135
75-34-3	1,1-Dichloroethane	50	56.6	113	77-132
75-35-4	1,1-Dichloroethylene	50	55.5	111	66-132
563-58-6	1,1-Dichloropropene	50	61.4	123	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	52.4	105	67-129
106-93-4	1,2-Dibromoethane	50	54.6	109	77-126
107-06-2	1,2-Dichloroethane	50	54.0	108	78-129
78-87-5	1,2-Dichloropropane	50	57.6	115	74-127
142-28-9	1,3-Dichloropropane	50	55.4	111	78-118
594-20-7	2,2-Dichloropropane	50	62.1	124	80-137
124-48-1	Dibromochloromethane	50	54.9	110	78-117
75-71-8	Dichlorodifluoromethane	50	72.7	145	35-162
156-59-2	cis-1,2-Dichloroethylene	50	55.4	111	74-123
10061-01-5	cis-1,3-Dichloropropene	50	58.5	117	79-130

Blank Spike Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF368-BS	F021430.D	1	05/23/07	WJ	n/a	n/a	VF368

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49463-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	48.2	96	71-126
541-73-1	m-Dichlorobenzene	50	61.7	123	82-126
95-50-1	o-Dichlorobenzene	50	60.9	122	83-123
106-46-7	p-Dichlorobenzene	50	61.6	123	84-124
156-60-5	trans-1,2-Dichloroethylene	50	57.0	114	77-129
10061-02-6	trans-1,3-Dichloropropene	50	58.9	118	87-131
100-41-4	Ethylbenzene	50	56.9	114	82-124
97-63-2	Ethyl methacrylate	50	51.2	102	78-118
76-13-1	Freon 113	50	63.2	126	62-147
591-78-6	2-Hexanone	250	306	122	67-130
87-68-3	Hexachlorobutadiene	50	73.7	147	77-150
110-54-3	Hexane	50	62.7	125	65-147
98-82-8	Isopropylbenzene	50	66.6	133	82-133
99-87-6	p-Isopropyltoluene	50	63.5	127	82-132
108-10-1	4-Methyl-2-pentanone	250	268	107	69-125
126-98-7	Methacrylonitrile	500	476	95	70-138
74-83-9	Methyl bromide	50	66.0	132	60-146
74-87-3	Methyl chloride	50	64.8	130	58-163
74-88-4	Methyl iodide	50	54.2	108	66-128
80-62-6	Methyl methacrylate	50	46.3	93	73-125
74-95-3	Methylene bromide	50	57.2	114	75-128
75-09-2	Methylene chloride	50	50.3	101	62-140
78-93-3	Methyl ethyl ketone	250	306	122	66-134
1634-04-4	Methyl Tert Butyl Ether	50	52.2	104	70-131
91-20-3	Naphthalene	50	57.8	116	59-143
76-01-7	Pentachloroethane	50	50.9	102	64-156
107-12-0	Propionitrile	500	471	94	73-133
103-65-1	n-Propylbenzene	50	60.0	120	78-129
100-42-5	Styrene	50	58.7	117	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	56.5	113	81-121
71-55-6	1,1,1-Trichloroethane	50	58.6	117	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	55.8	112	70-128
79-00-5	1,1,2-Trichloroethane	50	55.1	110	76-118
87-61-6	1,2,3-Trichlorobenzene	50	65.5	131	78-136
96-18-4	1,2,3-Trichloropropane	50	56.1	112	74-125
120-82-1	1,2,4-Trichlorobenzene	50	67.0	134	82-137

Blank Spike Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF368-BS	F021430.D	1	05/23/07	WJ	n/a	n/a	VF368

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49463-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	57.9	116	77-129
108-67-8	1,3,5-Trimethylbenzene	50	59.7	119	79-129
127-18-4	Tetrachloroethylene	50	62.5	125	79-132
108-88-3	Toluene	50	58.2	116	80-123
79-01-6	Trichloroethylene	50	60.2	120	78-132
75-69-4	Trichlorofluoromethane	50	65.4	131	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	55.3	111	74-138
75-01-4	Vinyl chloride	50	65.3	131	60-145
108-05-4	Vinyl Acetate	250	307	123	25-164
	m,p-Xylene	100	118	118	82-128
95-47-6	o-Xylene	50	59.4	119	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	80-121%
2037-26-5	Toluene-D8	98%	71-130%
460-00-4	4-Bromofluorobenzene	102%	59-148%
17060-07-0	1,2-Dichloroethane-D4	93%	77-123%

Blank Spike Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF370-BS	F021458.D	1	05/24/07	WJ	n/a	n/a	VF370

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49463-1, F49463-3, F49463-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	307	123	61-144
75-05-8	Acetonitrile	500	364	73	59-139
107-02-8	Acrolein	250	366	146	27-156
107-13-1	Acrylonitrile	250	234	94	55-144
107-05-1	Allyl chloride	50	45.3	91	41-152
71-43-2	Benzene	50	56.9	114	78-130
100-44-7	Benzyl Chloride	50	55.8	112	74-130
108-86-1	Bromobenzene	50	57.6	115	78-123
74-97-5	Bromochloromethane	50	57.3	115	72-122
75-27-4	Bromodichloromethane	50	52.0	104	73-122
75-25-2	Bromoform	50	61.7	123	70-139
104-51-8	n-Butylbenzene	50	57.2	114	80-138
135-98-8	sec-Butylbenzene	50	57.6	115	82-132
98-06-6	tert-Butylbenzene	50	50.9	102	79-130
108-90-7	Chlorobenzene	50	58.2	116	83-122
75-00-3	Chloroethane	50	53.0	106	61-153
67-66-3	Chloroform	50	54.2	108	79-129
544-10-5	1-Chlorohexane	50	62.2	124	85-137
95-49-8	o-Chlorotoluene	50	50.5	101	77-123
106-43-4	p-Chlorotoluene	50	51.4	103	78-129
110-75-8	2-Chloroethyl vinyl ether	250	194	78	52-142
75-15-0	Carbon disulfide	50	64.1	128	61-142
56-23-5	Carbon tetrachloride	50	61.9	124	79-135
75-34-3	1,1-Dichloroethane	50	55.0	110	77-132
75-35-4	1,1-Dichloroethylene	50	56.1	112	66-132
563-58-6	1,1-Dichloropropene	50	60.4	121	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	41.6	83	67-129
106-93-4	1,2-Dibromoethane	50	52.3	105	77-126
107-06-2	1,2-Dichloroethane	50	50.0	100	78-129
78-87-5	1,2-Dichloropropane	50	55.0	110	74-127
142-28-9	1,3-Dichloropropane	50	49.0	98	78-118
594-20-7	2,2-Dichloropropane	50	57.6	115	80-137
124-48-1	Dibromochloromethane	50	52.6	105	78-117
75-71-8	Dichlorodifluoromethane	50	65.7	131	35-162
156-59-2	cis-1,2-Dichloroethylene	50	56.8	114	74-123
10061-01-5	cis-1,3-Dichloropropene	50	56.9	114	79-130

Blank Spike Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF370-BS	F021458.D	1	05/24/07	WJ	n/a	n/a	VF370

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49463-1, F49463-3, F49463-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	35.8	72	71-126
541-73-1	m-Dichlorobenzene	50	59.1	118	82-126
95-50-1	o-Dichlorobenzene	50	59.8	120	83-123
106-46-7	p-Dichlorobenzene	50	59.2	118	84-124
156-60-5	trans-1,2-Dichloroethylene	50	54.7	109	77-129
10061-02-6	trans-1,3-Dichloropropene	50	50.8	102	87-131
100-41-4	Ethylbenzene	50	53.0	106	82-124
97-63-2	Ethyl methacrylate	50	45.1	90	78-118
76-13-1	Freon 113	50	70.0	140	62-147
591-78-6	2-Hexanone	250	247	99	67-130
87-68-3	Hexachlorobutadiene	50	77.4	155*	77-150
110-54-3	Hexane	50	59.6	119	65-147
98-82-8	Isopropylbenzene	50	63.3	127	82-133
99-87-6	p-Isopropyltoluene	50	57.7	115	82-132
108-10-1	4-Methyl-2-pentanone	250	209	84	69-125
126-98-7	Methacrylonitrile	500	416	83	70-138
74-83-9	Methyl bromide	50	69.9	140	60-146
74-87-3	Methyl chloride	50	55.2	110	58-163
74-88-4	Methyl iodide	50	63.0	126	66-128
80-62-6	Methyl methacrylate	50	38.4	77	73-125
74-95-3	Methylene bromide	50	56.8	114	75-128
75-09-2	Methylene chloride	50	49.5	99	62-140
78-93-3	Methyl ethyl ketone	250	285	114	66-134
1634-04-4	Methyl Tert Butyl Ether	50	51.0	102	70-131
91-20-3	Naphthalene	50	57.4	115	59-143
76-01-7	Pentachloroethane	50	52.1	104	64-156
107-12-0	Propionitrile	500	439	88	73-133
103-65-1	n-Propylbenzene	50	52.4	105	78-129
100-42-5	Styrene	50	55.2	110	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	57.7	115	81-121
71-55-6	1,1,1-Trichloroethane	50	58.3	117	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	47.8	96	70-128
79-00-5	1,1,2-Trichloroethane	50	52.6	105	76-118
87-61-6	1,2,3-Trichlorobenzene	50	69.8	140*	78-136
96-18-4	1,2,3-Trichloropropane	50	46.8	94	74-125
120-82-1	1,2,4-Trichlorobenzene	50	69.0	138*	82-137

Blank Spike Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF370-BS	F021458.D	1	05/24/07	WJ	n/a	n/a	VF370

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49463-1, F49463-3, F49463-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	52.0	104	77-129
108-67-8	1,3,5-Trimethylbenzene	50	52.4	105	79-129
127-18-4	Tetrachloroethylene	50	66.2	132	79-132
108-88-3	Toluene	50	54.0	108	80-123
79-01-6	Trichloroethylene	50	60.4	121	78-132
75-69-4	Trichlorofluoromethane	50	70.1	140	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	39.2	78	74-138
75-01-4	Vinyl chloride	50	58.2	116	60-145
108-05-4	Vinyl Acetate	250	267	107	25-164
	m,p-Xylene	100	110	110	82-128
95-47-6	o-Xylene	50	55.3	111	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	80-121%
2037-26-5	Toluene-D8	96%	71-130%
460-00-4	4-Bromofluorobenzene	109%	59-148%
17060-07-0	1,2-Dichloroethane-D4	87%	77-123%

Blank Spike Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2132-BS	J029930.D	1	05/24/07	JG	n/a	n/a	VJ2132

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49463-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	108	86	59-134
75-05-8	Acetonitrile	250	224	90	57-123
107-02-8	Acrolein	125	199	159*	33-157
107-13-1	Acrylonitrile	125	151	121	62-124
107-05-1	Allyl chloride	25	24.2	97	48-136
71-43-2	Benzene	25	26.3	105	83-124
100-44-7	Benzyl Chloride	25	25.9	104	61-118
108-86-1	Bromobenzene	25	25.4	102	83-115
74-97-5	Bromochloromethane	25	23.6	94	78-112
75-27-4	Bromodichloromethane	25	24.7	99	76-116
75-25-2	Bromoform	25	25.7	103	68-128
104-51-8	n-Butylbenzene	25	27.4	110	84-124
135-98-8	sec-Butylbenzene	25	26.0	104	86-127
98-06-6	tert-Butylbenzene	25	25.9	104	83-126
108-90-7	Chlorobenzene	25	25.4	102	87-115
75-00-3	Chloroethane	25	25.3	101	54-166
67-66-3	Chloroform	25	25.4	102	85-123
544-10-5	1-Chlorohexane	25	27.2	109	87-128
95-49-8	o-Chlorotoluene	25	26.8	107	84-121
106-43-4	p-Chlorotoluene	25	25.7	103	84-120
110-75-8	2-Chloroethyl vinyl ether	125	110	88	63-125
75-15-0	Carbon disulfide	25	26.2	105	67-147
56-23-5	Carbon tetrachloride	25	25.4	102	74-139
75-34-3	1,1-Dichloroethane	25	25.1	100	82-127
75-35-4	1,1-Dichloroethylene	25	23.7	95	75-133
563-58-6	1,1-Dichloropropene	25	25.8	103	87-127
96-12-8	1,2-Dibromo-3-chloropropane	25	24.4	98	61-118
106-93-4	1,2-Dibromoethane	25	26.1	104	80-115
107-06-2	1,2-Dichloroethane	25	25.2	101	76-122
78-87-5	1,2-Dichloropropane	25	25.4	102	81-120
142-28-9	1,3-Dichloropropane	25	25.7	103	81-113
594-20-7	2,2-Dichloropropane	25	25.8	103	77-138
124-48-1	Dibromochloromethane	25	25.1	100	74-116
75-71-8	Dichlorodifluoromethane	25	30.2	121	34-158
156-59-2	cis-1,2-Dichloroethylene	25	23.6	94	81-114
10061-01-5	cis-1,3-Dichloropropene	25	26.6	106	83-119

Blank Spike Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2132-BS	J029930.D	1	05/24/07	JG	n/a	n/a	VJ2132

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49463-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	25	25.4	102	41-130
541-73-1	m-Dichlorobenzene	25	25.1	100	86-115
95-50-1	o-Dichlorobenzene	25	25.1	100	85-115
106-46-7	p-Dichlorobenzene	25	25.1	100	87-113
156-60-5	trans-1,2-Dichloroethylene	25	26.6	106	82-126
10061-02-6	trans-1,3-Dichloropropene	25	28.3	113	87-123
100-41-4	Ethylbenzene	25	26.2	105	87-118
97-63-2	Ethyl methacrylate	25	26.3	105	68-110
76-13-1	Freon 113	25	25.2	101	74-139
591-78-6	2-Hexanone	125	135	108	58-125
87-68-3	Hexachlorobutadiene	25	28.4	114	71-133
110-54-3	Hexane	25	24.1	96	71-134
98-82-8	Isopropylbenzene	25	26.9	108	87-131
99-87-6	p-Isopropyltoluene	25	25.7	103	83-125
108-10-1	4-Methyl-2-pentanone	125	131	105	62-125
126-98-7	Methacrylonitrile	250	249	100	62-133
74-83-9	Methyl bromide	25	32.0	128	55-151
74-87-3	Methyl chloride	25	25.4	102	55-173
74-88-4	Methyl iodide	25	22.3	89	72-125
80-62-6	Methyl methacrylate	25	23.7	95	63-115
74-95-3	Methylene bromide	25	25.7	103	81-116
75-09-2	Methylene chloride	25	24.7	99	69-125
78-93-3	Methyl ethyl ketone	125	122	98	61-127
1634-04-4	Methyl Tert Butyl Ether	25	24.7	99	75-116
91-20-3	Naphthalene	25	26.4	106	59-125
76-01-7	Pentachloroethane	25	24.0	96	82-111
107-12-0	Propionitrile	250	241	96	69-119
103-65-1	n-Propylbenzene	25	27.2	109	86-125
100-42-5	Styrene	25	25.8	103	78-118
630-20-6	1,1,1,2-Tetrachloroethane	25	25.1	100	81-119
71-55-6	1,1,1-Trichloroethane	25	25.4	102	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	25.5	102	71-120
79-00-5	1,1,2-Trichloroethane	25	25.8	103	80-114
87-61-6	1,2,3-Trichlorobenzene	25	27.0	108	64-126
96-18-4	1,2,3-Trichloropropane	25	25.4	102	77-115
120-82-1	1,2,4-Trichlorobenzene	25	26.7	107	68-123

Blank Spike Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2132-BS	J029930.D	1	05/24/07	JG	n/a	n/a	VJ2132

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49463-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	25	26.2	105	82-120
108-67-8	1,3,5-Trimethylbenzene	25	24.8	99	83-123
127-18-4	Tetrachloroethylene	25	25.8	103	80-131
108-88-3	Toluene	25	26.3	105	86-116
79-01-6	Trichloroethylene	25	26.8	107	85-124
75-69-4	Trichlorofluoromethane	25	29.8	119	66-156
110-57-6	Trans-1,4-Dichloro-2-Butene	25	28.6	114	51-137
75-01-4	Vinyl chloride	25	26.2	105	57-153
108-05-4	Vinyl Acetate	125	204	163*	38-159
	m,p-Xylene	50	52.7	105	86-121
95-47-6	o-Xylene	25	25.4	102	83-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	99%	76-127%
2037-26-5	Toluene-D8	101%	86-112%
460-00-4	4-Bromofluorobenzene	101%	84-120%

Blank Spike Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF372-BS	F021486.D	1	05/25/07	WJ	n/a	n/a	VF372

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49463-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
98-82-8	Isopropylbenzene	50	57.9	116	82-133

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	80-121%
2037-26-5	Toluene-D8	95%	71-130%
460-00-4	4-Bromofluorobenzene	106%	59-148%
17060-07-0	1,2-Dichloroethane-D4	82%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49463-4MS	F021433.D	1	05/23/07	WJ	n/a	n/a	VF368
F49463-4MSD	F021434.D	1	05/23/07	WJ	n/a	n/a	VF368
F49463-4	F021432.D	1	05/23/07	WJ	n/a	n/a	VF368

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49463-4

CAS No.	Compound	F49463-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		273	160	59*	166	61	4	61-144/29
75-05-8	Acetonitrile	ND		546	275	50*	306	56*	11	59-139/30
107-02-8	Acrolein	ND		273	508	186*	423	154	18	27-156/39
107-13-1	Acrylonitrile	ND		273	190	70	189	69	1	55-144/24
107-05-1	Allyl chloride	ND		54.6	60.3	110	56.1	102	7	41-152/24
71-43-2	Benzene	ND		54.6	63.2	116	61.5	112	3	78-130/25
100-44-7	Benzyl Chloride	ND		54.6	52.4	96	49.1	90	7	74-130/28
108-86-1	Bromobenzene	ND		54.6	58.0	106	56.0	102	4	78-123/30
74-97-5	Bromochloromethane	ND		54.6	50.9	93	49.4	90	3	72-122/23
75-27-4	Bromodichloromethane	ND		54.6	60.7	111	56.8	104	7	73-122/25
75-25-2	Bromoform	ND		54.6	50.7	93	49.3	90	3	70-139/26
104-51-8	n-Butylbenzene	ND		54.6	76.6	140*	70.0	128	9	80-138/31
135-98-8	sec-Butylbenzene	ND		54.6	72.2	132	67.5	123	7	82-132/29
98-06-6	tert-Butylbenzene	ND		54.6	69.3	127	63.1	115	9	79-130/29
108-90-7	Chlorobenzene	ND		54.6	64.4	118	62.7	114	3	83-122/23
75-00-3	Chloroethane	ND		54.6	67.5	124	71.5	130	6	61-153/31
67-66-3	Chloroform	ND		54.6	65.9	121	63.2	115	4	79-129/27
544-10-5	1-Chlorohexane	ND		54.6	75.2	138*	70.5	129	6	85-137/29
95-49-8	o-Chlorotoluene	ND		54.6	67.4	123	62.5	114	8	77-123/31
106-43-4	p-Chlorotoluene	ND		54.6	67.0	123	62.5	114	7	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		273	164	60	136	50*	19	52-142/25
75-15-0	Carbon disulfide	ND		54.6	66.7	122	64.2	117	4	61-142/27
56-23-5	Carbon tetrachloride	ND		54.6	73.3	134	68.2	124	7	79-135/29
75-34-3	1,1-Dichloroethane	ND		54.6	67.7	124	63.4	116	7	77-132/26
75-35-4	1,1-Dichloroethylene	ND		54.6	70.4	129	65.7	120	7	66-132/27
563-58-6	1,1-Dichloropropene	ND		54.6	71.9	132	68.0	124	6	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		54.6	45.3	83	42.9	78	5	67-129/29
106-93-4	1,2-Dibromoethane	ND		54.6	51.0	93	48.9	89	4	77-126/24
107-06-2	1,2-Dichloroethane	ND		54.6	61.3	112	57.3	105	7	78-129/24
78-87-5	1,2-Dichloropropane	ND		54.6	62.5	114	59.4	108	5	74-127/27
142-28-9	1,3-Dichloropropane	ND		54.6	53.5	98	50.8	93	5	78-118/26
594-20-7	2,2-Dichloropropane	ND		54.6	74.3	136	67.8	124	9	80-137/28
124-48-1	Dibromochloromethane	ND		54.6	53.7	98	51.6	94	4	78-117/27
75-71-8	Dichlorodifluoromethane	ND		54.6	95.5	175*	95.5	174*	0	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		54.6	58.6	107	56.8	104	3	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		54.6	63.4	116	59.2	108	7	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49463-4MS	F021433.D	1	05/23/07	WJ	n/a	n/a	VF368
F49463-4MSD	F021434.D	1	05/23/07	WJ	n/a	n/a	VF368
F49463-4	F021432.D	1	05/23/07	WJ	n/a	n/a	VF368

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49463-4

CAS No.	Compound	F49463-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		54.6	41.9	77	38.7	71	8	71-126/28
541-73-1	m-Dichlorobenzene	ND		54.6	67.6	124	64.3	117	5	82-126/29
95-50-1	o-Dichlorobenzene	ND		54.6	65.4	120	62.4	114	5	83-123/28
106-46-7	p-Dichlorobenzene	ND		54.6	66.8	122	63.9	117	4	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		54.6	66.8	122	64.1	117	4	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		54.6	62.6	115	59.3	108	5	87-131/27
100-41-4	Ethylbenzene	ND		54.6	67.3	123	63.1	115	6	82-124/25
97-63-2	Ethyl methacrylate	ND		54.6	45.4	83	43.0	78	5	78-118/30
76-13-1	Freon 113	ND		54.6	69.9	128	68.2	124	2	62-147/29
591-78-6	2-Hexanone	ND		273	214	78	206	75	4	67-130/29
87-68-3	Hexachlorobutadiene	ND		54.6	83.8	154*	79.2	145	6	77-150/36
110-54-3	Hexane	ND		54.6	65.3	120	61.7	113	6	65-147/27
98-82-8	Isopropylbenzene	ND		54.6	76.7	141*	73.2	134*	5	82-133/27
99-87-6	p-Isopropyltoluene	ND		54.6	72.5	133*	67.5	123	7	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		273	218	80	208	76	5	69-125/24
126-98-7	Methacrylonitrile	ND		546	418	77	400	73	4	70-138/22
74-83-9	Methyl bromide	ND		54.6	73.0	134	79.3	145	8	60-146/31
74-87-3	Methyl chloride	ND		54.6	78.6	144	79.1	144	1	58-163/26
74-88-4	Methyl iodide	ND		54.6	56.9	104	56.0	102	2	66-128/27
80-62-6	Methyl methacrylate	ND		54.6	42.3	77	38.7	71*	9	73-125/24
74-95-3	Methylene bromide	ND		54.6	53.9	99	51.1	93	5	75-128/26
75-09-2	Methylene chloride	ND		54.6	56.6	104	52.7	96	7	62-140/25
78-93-3	Methyl ethyl ketone	ND		273	187	69	183	67	2	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		54.6	48.9	90	47.2	86	4	70-131/25
91-20-3	Naphthalene	ND		54.6	53.7	98	51.8	95	4	59-143/31
76-01-7	Pentachloroethane	ND		54.6	51.4	94	47.3	86	8	64-156/37
107-12-0	Propionitrile	ND		546	343	63*	356	65*	4	73-133/23
103-65-1	n-Propylbenzene	ND		54.6	69.0	126	64.9	118	6	78-129/29
100-42-5	Styrene	ND		54.6	63.0	115	61.6	112	2	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		54.6	62.6	115	59.8	109	5	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		54.6	72.8	133	69.0	126	5	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		54.6	46.6	85	44.3	81	5	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		54.6	52.1	95	50.6	92	3	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		54.6	70.5	129	68.6	125	3	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		54.6	45.9	84	41.6	76	10	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		54.6	75.9	139*	73.5	134	3	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49463-4MS	F021433.D	1	05/23/07	WJ	n/a	n/a	VF368
F49463-4MSD	F021434.D	1	05/23/07	WJ	n/a	n/a	VF368
F49463-4	F021432.D	1	05/23/07	WJ	n/a	n/a	VF368

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49463-4

CAS No.	Compound	F49463-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		54.6	65.6	120	61.3	112	7	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		54.6	66.3	121	62.7	114	6	79-129/31
127-18-4	Tetrachloroethylene	ND		54.6	70.9	130	69.8	127	2	79-132/27
108-88-3	Toluene	ND		54.6	64.4	118	61.4	112	5	80-123/26
79-01-6	Trichloroethylene	ND		54.6	68.4	125	64.3	117	6	78-132/28
75-69-4	Trichlorofluoromethane	ND		54.6	79.1	145	79.0	144	0	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		54.6	49.6	91	44.1	80	12	74-138/30
75-01-4	Vinyl chloride	ND		54.6	78.5	144	80.5	147*	3	60-145/29
108-05-4	Vinyl Acetate	ND		273	280	103	264	96	6	25-164/35
	m,p-Xylene	ND		109	139	127	133	121	4	82-128/25
95-47-6	o-Xylene	ND		54.6	69.0	126	66.2	121	4	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F49463-4	Limits
1868-53-7	Dibromofluoromethane	97%	94%	103%	80-121%
2037-26-5	Toluene-D8	100%	98%	101%	71-130%
460-00-4	4-Bromofluorobenzene	94%	93%	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	96%	91%	108%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49499-1MS	J029936.D	2	05/24/07	JG	n/a	n/a	VJ2132
F49499-1MSD	J029937.D	2	05/24/07	JG	n/a	n/a	VJ2132
F49499-1	J029935.D	2	05/24/07	JG	n/a	n/a	VJ2132

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49463-2

CAS No.	Compound	F49499-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	23.0	J	250	176	61	166	57*	6	59-134/14
75-05-8	Acetonitrile	ND		500	486	97	483	97	1	57-123/15
107-02-8	Acrolein	ND		250	380	152	383	153	1	33-157/21
107-13-1	Acrylonitrile	ND		250	308	123	303	121	2	62-124/13
107-05-1	Allyl chloride	ND		50	47.2	94	47.1	94	0	48-136/13
71-43-2	Benzene	285	E	50	335	100	335	100	0	83-124/11
100-44-7	Benzyl Chloride	ND		50	50.7	101	49.5	99	2	61-118/12
108-86-1	Bromobenzene	ND		50	48.7	97	48.5	97	0	83-115/10
74-97-5	Bromochloromethane	ND		50	45.8	92	46.5	93	2	78-112/10
75-27-4	Bromodichloromethane	ND		50	49.1	98	49.7	99	1	76-116/10
75-25-2	Bromoform	ND		50	49.7	99	49.2	98	1	68-128/11
104-51-8	n-Butylbenzene	ND		50	55.9	112	54.1	108	3	84-124/10
135-98-8	sec-Butylbenzene	5.4		50	57.3	104	56.0	101	2	86-127/10
98-06-6	tert-Butylbenzene	4.3		50	56.6	105	55.9	103	1	83-126/10
108-90-7	Chlorobenzene	ND		50	50.3	101	49.9	100	1	87-115/9
75-00-3	Chloroethane	ND		50	51.6	103	51.6	103	0	54-166/20
67-66-3	Chloroform	ND		50	50.9	102	51.1	102	0	85-123/10
544-10-5	1-Chlorohexane	49.0		50	54.3	11*	54.0	10*	1	87-128/10
95-49-8	o-Chlorotoluene	ND		50	54.5	109	53.2	106	2	84-121/10
106-43-4	p-Chlorotoluene	ND		50	52.1	104	51.2	102	2	84-120/10
110-75-8	2-Chloroethyl vinyl ether	ND		250	43.8	18*	22.0	9*	66*	63-125/24
75-15-0	Carbon disulfide	ND		50	51.3	103	50.9	102	1	67-147/12
56-23-5	Carbon tetrachloride	ND		50	50.1	100	50.3	101	0	74-139/13
75-34-3	1,1-Dichloroethane	ND		50	50.0	100	50.1	100	0	82-127/10
75-35-4	1,1-Dichloroethylene	ND		50	47.4	95	47.2	94	0	75-133/13
563-58-6	1,1-Dichloropropene	ND		50	51.2	102	51.0	102	0	87-127/10
96-12-8	1,2-Dibromo-3-chloropropane	ND		50	53.1	106	53.8	108	1	61-118/15
106-93-4	1,2-Dibromoethane	ND		50	53.4	107	53.0	106	1	80-115/10
107-06-2	1,2-Dichloroethane	9.3		50	59.3	100	59.6	101	1	76-122/11
78-87-5	1,2-Dichloropropane	ND		50	50.7	101	50.8	102	0	81-120/11
142-28-9	1,3-Dichloropropane	ND		50	53.4	107	53.0	106	1	81-113/11
594-20-7	2,2-Dichloropropane	ND		50	49.1	98	48.9	98	0	77-138/12
124-48-1	Dibromochloromethane	ND		50	49.8	100	49.7	99	0	74-116/11
75-71-8	Dichlorodifluoromethane	ND		50	56.7	113	57.7	115	2	34-158/22
156-59-2	cis-1,2-Dichloroethylene	ND		50	46.4	93	46.4	93	0	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		50	53.4	107	53.3	107	0	83-119/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49499-1MS	J029936.D	2	05/24/07	JG	n/a	n/a	VJ2132
F49499-1MSD	J029937.D	2	05/24/07	JG	n/a	n/a	VJ2132
F49499-1	J029935.D	2	05/24/07	JG	n/a	n/a	VJ2132

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49463-2

CAS No.	Compound	F49499-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		50	55.0	110	56.2	112	2	41-130/33
541-73-1	m-Dichlorobenzene	ND		50	47.8	96	47.6	95	0	86-115/9
95-50-1	o-Dichlorobenzene	ND		50	48.3	97	48.2	96	0	85-115/9
106-46-7	p-Dichlorobenzene	ND		50	48.3	97	48.3	97	0	87-113/10
156-60-5	trans-1,2-Dichloroethylene	ND		50	51.7	103	51.8	104	0	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		50	57.0	114	56.8	114	0	87-123/10
100-41-4	Ethylbenzene	15.8		50	68.8	106	67.4	103	2	87-118/10
97-63-2	Ethyl methacrylate	ND		50	58.5	117*	58.5	117*	0	68-110/11
76-13-1	Freon 113	ND		50	51.3	103	51.0	102	1	74-139/13
591-78-6	2-Hexanone	ND		250	302	121	292	117	3	58-125/14
87-68-3	Hexachlorobutadiene	ND		50	48.7	97	49.2	98	1	71-133/12
110-54-3	Hexane	ND		50	47.0	94	46.3	93	2	71-134/11
98-82-8	Isopropylbenzene	531	E	50	580	98	566	70* [a]	2	87-131/10
99-87-6	p-Isopropyltoluene	ND		50	49.7	99	49.7	99	0	83-125/9
108-10-1	4-Methyl-2-pentanone	ND		250	315	126*	307	123	3	62-125/13
126-98-7	Methacrylonitrile	ND		500	516	103	506	101	2	62-133/17
74-83-9	Methyl bromide	ND		50	66.0	132	66.4	133	1	55-151/21
74-87-3	Methyl chloride	ND		50	50.4	101	50.0	100	1	55-173/22
74-88-4	Methyl iodide	ND		50	43.4	87	43.7	87	1	72-125/11
80-62-6	Methyl methacrylate	ND		50	51.4	103	50.5	101	2	63-115/10
74-95-3	Methylene bromide	ND		50	53.6	107	52.4	105	2	81-116/10
75-09-2	Methylene chloride	ND		50	49.4	99	48.3	97	2	69-125/11
78-93-3	Methyl ethyl ketone	ND		250	236	94	232	93	2	61-127/13
1634-04-4	Methyl Tert Butyl Ether	ND		50	48.9	98	49.8	100	2	75-116/10
91-20-3	Naphthalene	ND		50	54.4	109	55.7	111	2	59-125/15
76-01-7	Pentachloroethane	ND		50	45.0	90	45.9	92	2	82-111/8
107-12-0	Propionitrile	ND		500	485	97	481	96	1	69-119/12
103-65-1	n-Propylbenzene	2.6		50	57.9	111	56.6	108	2	86-125/10
100-42-5	Styrene	ND		50	50.6	101	50.8	102	0	78-118/11
630-20-6	1,1,1,2-Tetrachloroethane	ND		50	49.3	99	49.3	99	0	81-119/10
71-55-6	1,1,1-Trichloroethane	ND		50	49.8	100	50.5	101	1	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		50	56.4	113	54.7	109	3	71-120/11
79-00-5	1,1,2-Trichloroethane	1.2	J	50	55.9	109	54.8	107	2	80-114/11
87-61-6	1,2,3-Trichlorobenzene	ND		50	49.9	100	51.1	102	2	64-126/16
96-18-4	1,2,3-Trichloropropane	ND		50	55.1	110	53.7	107	3	77-115/12
120-82-1	1,2,4-Trichlorobenzene	ND		50	50.2	100	50.6	101	1	68-123/11

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49499-1MS	J029936.D	2	05/24/07	JG	n/a	n/a	VJ2132
F49499-1MSD	J029937.D	2	05/24/07	JG	n/a	n/a	VJ2132
F49499-1	J029935.D	2	05/24/07	JG	n/a	n/a	VJ2132

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49463-2

CAS No.	Compound	F49499-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		50	52.1	104	51.5	103	1	82-120/10
108-67-8	1,3,5-Trimethylbenzene	ND		50	49.7	99	48.7	97	2	83-123/10
127-18-4	Tetrachloroethylene	ND		50	47.4	95	46.7	93	1	80-131/12
108-88-3	Toluene	ND		50	53.2	106	52.8	106	1	86-116/10
79-01-6	Trichloroethylene	ND		50	53.1	106	53.3	107	0	85-124/10
75-69-4	Trichlorofluoromethane	ND		50	60.3	121	60.1	120	0	66-156/15
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		50	61.8	124	64.5	129	4	51-137/24
75-01-4	Vinyl chloride	ND		50	49.9	100	50.1	100	0	57-153/22
108-05-4	Vinyl Acetate	ND		250	423	169*	421	168*	0	38-159/11
	m,p-Xylene	ND		100	106	106	104	104	2	86-121/10
95-47-6	o-Xylene	ND		50	51.5	103	50.8	102	1	83-121/10

CAS No.	Surrogate Recoveries	MS	MSD	F49499-1	Limits
1868-53-7	Dibromofluoromethane	100%	101%	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	101%	101%	101%	76-127%
2037-26-5	Toluene-D8	102%	101%	100%	86-112%
460-00-4	4-Bromofluorobenzene	103%	102%	105%	84-120%

(a) Outside control limits due to high level in sample relative to spike amount.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49463-5MS	F021468.D	1	05/24/07	WJ	n/a	n/a	VF370
F49463-5MSD	F021469.D	1	05/24/07	WJ	n/a	n/a	VF370
F49463-5	F021467.D	1	05/24/07	WJ	n/a	n/a	VF370

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49463-1, F49463-3, F49463-5

CAS No.	Compound	F49463-5 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		325	282	87	274	84	3	61-144/29
75-05-8	Acetonitrile	ND		651	298	46*	324	50*	8	59-139/30
107-02-8	Acrolein	ND		325	372	114	323	99	14	27-156/39
107-13-1	Acrylonitrile	ND		325	284	87	265	81	7	55-144/24
107-05-1	Allyl chloride	ND		65.1	50.2	77	48.1	74	4	41-152/24
71-43-2	Benzene	18.8		65.1	62.4	67*	60.0	63*	4	78-130/25
100-44-7	Benzyl Chloride	ND		65.1	53.8	83	50.6	77	6	74-130/28
108-86-1	Bromobenzene	ND		65.1	56.4	87	56.1	86	1	78-123/30
74-97-5	Bromochloromethane	ND		65.1	57.6	89	58.2	89	1	72-122/23
75-27-4	Bromodichloromethane	ND		65.1	53.7	83	53.5	82	0	73-122/25
75-25-2	Bromoform	ND		65.1	60.7	93	58.2	89	4	70-139/26
104-51-8	n-Butylbenzene	ND		65.1	56.1	86	52.1	80	7	80-138/31
135-98-8	sec-Butylbenzene	ND		65.1	56.8	87	54.9	84	3	82-132/29
98-06-6	tert-Butylbenzene	ND		65.1	50.7	78*	49.0	75*	3	79-130/29
108-90-7	Chlorobenzene	ND		65.1	61.8	95	59.7	91	3	83-122/23
75-00-3	Chloroethane	ND		65.1	55.3	85	52.6	81	5	61-153/31
67-66-3	Chloroform	ND		65.1	56.8	87	55.4	85	2	79-129/27
544-10-5	1-Chlorohexane	ND		65.1	65.2	100	62.0	95	5	85-137/29
95-49-8	o-Chlorotoluene	ND		65.1	54.3	83	51.8	79	5	77-123/31
106-43-4	p-Chlorotoluene	ND		65.1	54.4	84	52.2	80	4	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		325	242	74	236	72	3	52-142/25
75-15-0	Carbon disulfide	ND		65.1	68.3	105	66.0	101	3	61-142/27
56-23-5	Carbon tetrachloride	ND		65.1	57.6	89	57.4	88	0	79-135/29
75-34-3	1,1-Dichloroethane	ND		65.1	58.8	90	57.8	88	2	77-132/26
75-35-4	1,1-Dichloroethylene	ND		65.1	59.4	91	57.0	87	4	66-132/27
563-58-6	1,1-Dichloropropene	ND		65.1	61.6	95	61.6	94	0	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		65.1	47.2	73	43.2	66*	9	67-129/29
106-93-4	1,2-Dibromoethane	ND		65.1	60.0	92	54.7	84	9	77-126/24
107-06-2	1,2-Dichloroethane	ND		65.1	51.9	80	50.5	77*	3	78-129/24
78-87-5	1,2-Dichloropropane	ND		65.1	61.8	95	60.8	93	2	74-127/27
142-28-9	1,3-Dichloropropane	ND		65.1	56.9	87	53.0	81	7	78-118/26
594-20-7	2,2-Dichloropropane	ND		65.1	52.2	80	50.2	77*	4	80-137/28
124-48-1	Dibromochloromethane	ND		65.1	56.2	86	54.5	83	3	78-117/27
75-71-8	Dichlorodifluoromethane	ND		65.1	59.1	91	59.7	91	1	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		65.1	60.0	92	59.0	90	2	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		65.1	61.2	94	59.6	91	3	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49463-5MS	F021468.D	1	05/24/07	WJ	n/a	n/a	VF370
F49463-5MSD	F021469.D	1	05/24/07	WJ	n/a	n/a	VF370
F49463-5	F021467.D	1	05/24/07	WJ	n/a	n/a	VF370

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49463-1, F49463-3, F49463-5

CAS No.	Compound	F49463-5 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		65.1	39.8	61*	36.9	56*	8	71-126/28
541-73-1	m-Dichlorobenzene	ND		65.1	60.5	93	58.2	89	4	82-126/29
95-50-1	o-Dichlorobenzene	ND		65.1	59.8	92	58.2	89	3	83-123/28
106-46-7	p-Dichlorobenzene	ND		65.1	60.8	93	58.2	89	4	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		65.1	59.4	91	57.2	88	4	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		65.1	57.0	88	53.9	83*	6	87-131/27
100-41-4	Ethylbenzene	ND		65.1	57.0	88	55.3	85	3	82-124/25
97-63-2	Ethyl methacrylate	ND		65.1	54.8	84	51.0	78	7	78-118/30
76-13-1	Freon 113	ND		65.1	67.2	103	66.6	102	1	62-147/29
591-78-6	2-Hexanone	ND		325	267	82	244	75	9	67-130/29
87-68-3	Hexachlorobutadiene	ND		65.1	56.0	86	55.5	85	1	77-150/36
110-54-3	Hexane	ND		65.1	52.1	80	51.4	79	1	65-147/27
98-82-8	Isopropylbenzene	7.8		65.1	68.8	94	65.6	88	5	82-133/27
99-87-6	p-Isopropyltoluene	ND		65.1	55.8	86	55.1	84	1	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		325	254	78	242	74	5	69-125/24
126-98-7	Methacrylonitrile	ND		651	494	76	457	70	8	70-138/22
74-83-9	Methyl bromide	ND		65.1	65.0	100	63.8	98	2	60-146/31
74-87-3	Methyl chloride	ND		65.1	58.8	90	52.1	80	12	58-163/26
74-88-4	Methyl iodide	ND		65.1	61.2	94	60.4	92	1	66-128/27
80-62-6	Methyl methacrylate	ND		65.1	56.7	87	53.3	82	6	73-125/24
74-95-3	Methylene bromide	ND		65.1	60.5	93	62.0	95	2	75-128/26
75-09-2	Methylene chloride	ND		65.1	57.7	89	56.3	86	2	62-140/25
78-93-3	Methyl ethyl ketone	ND		325	263	81	256	78	3	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		65.1	55.0	85	53.4	82	3	70-131/25
91-20-3	Naphthalene	ND		65.1	61.0	94	62.1	95	2	59-143/31
76-01-7	Pentachloroethane	ND		65.1	41.1	63*	39.9	61*	3	64-156/37
107-12-0	Propionitrile	ND		651	524	81	505	77	4	73-133/23
103-65-1	n-Propylbenzene	ND		65.1	54.7	84	52.9	81	3	78-129/29
100-42-5	Styrene	ND		65.1	59.5	91	55.6	85	7	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		65.1	59.7	92	57.4	88	4	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		65.1	56.6	87	56.8	87	0	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		65.1	54.1	83	53.2	81	2	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		65.1	58.4	90	54.8	84	6	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		65.1	66.1	102	65.7	101	1	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		65.1	54.0	83	53.8	82	0	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		65.1	65.2	100	65.3	100	0	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49463-5MS	F021468.D	1	05/24/07	WJ	n/a	n/a	VF370
F49463-5MSD	F021469.D	1	05/24/07	WJ	n/a	n/a	VF370
F49463-5	F021467.D	1	05/24/07	WJ	n/a	n/a	VF370

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49463-1, F49463-3, F49463-5

CAS No.	Compound	F49463-5 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		65.1	53.6	82	51.7	79	4	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		65.1	53.8	83	52.8	81	2	79-129/31
127-18-4	Tetrachloroethylene	ND		65.1	72.2	111	71.9	110	0	79-132/27
108-88-3	Toluene	ND		65.1	59.8	92	57.0	87	5	80-123/26
79-01-6	Trichloroethylene	ND		65.1	63.2	97	63.5	97	0	78-132/28
75-69-4	Trichlorofluoromethane	ND		65.1	58.0	89	58.7	90	1	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		65.1	45.4	70*	41.7	64*	8	74-138/30
75-01-4	Vinyl chloride	ND		65.1	58.3	90	53.8	82	8	60-145/29
108-05-4	Vinyl Acetate	ND		325	289	89	275	84	5	25-164/35
	m,p-Xylene	ND		130	118	91	113	87	4	82-128/25
95-47-6	o-Xylene	ND		65.1	59.3	91	55.5	85	7	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F49463-5	Limits
1868-53-7	Dibromofluoromethane	95%	98%	99%	80-121%
2037-26-5	Toluene-D8	96%	94%	96%	71-130%
460-00-4	4-Bromofluorobenzene	111%	112%	115%	59-148%
17060-07-0	1,2-Dichloroethane-D4	82%	82%	82%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49548-3MS	F021493.D	1	05/25/07	WJ	n/a	n/a	VF372
F49548-3MSD	F021494.D	1	05/25/07	WJ	n/a	n/a	VF372
F49548-3 [a]	F021492.D	1	05/25/07	WJ	n/a	n/a	VF372

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49463-5

CAS No.	Compound	F49548-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
98-82-8	Isopropylbenzene	5.8	U	62.4	41.9	67*	59.0	94	34*	82-133/27

CAS No.	Surrogate Recoveries	MS	MSD	F49548-3	Limits
1868-53-7	Dibromofluoromethane	93%	97%	104%	80-121%
2037-26-5	Toluene-D8	93%	95%	102%	71-130%
460-00-4	4-Bromofluorobenzene	109%	125%	144%	59-148%
17060-07-0	1,2-Dichloroethane-D4	97%	93%	104%	77-123%

(a) Confirmation run.

GC/MS Semi-volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20683-MB	U002228.D	1	05/24/07	NJ	05/22/07	OP20683	SU112

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49463-1, F49463-3, F49463-4, F49463-5

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	830	330	ug/kg	
95-57-8	2-Chlorophenol	ND	170	33	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	33	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	33	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	830	330	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	330	67	ug/kg	
95-48-7	2-Methylphenol	ND	170	33	ug/kg	
	3&4-Methylphenol	ND	170	33	ug/kg	
88-75-5	2-Nitrophenol	ND	170	33	ug/kg	
100-02-7	4-Nitrophenol	ND	830	330	ug/kg	
87-86-5	Pentachlorophenol	ND	830	330	ug/kg	
108-95-2	Phenol	ND	170	33	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	33	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	33	ug/kg	
83-32-9	Acenaphthene	ND	170	33	ug/kg	
208-96-8	Acenaphthylene	ND	170	33	ug/kg	
120-12-7	Anthracene	ND	170	33	ug/kg	
92-87-5	Benzidine	ND	1700	830	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	33	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	33	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	33	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	67	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	33	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	33	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	330	83	ug/kg	
100-51-6	Benzyl Alcohol	ND	170	33	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	33	ug/kg	
106-47-8	4-Chloroaniline	ND	330	130	ug/kg	
218-01-9	Chrysene	ND	170	33	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	33	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	67	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	170	33	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	33	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	33	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	170	33	ug/kg	

Method Blank Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20683-MB	U002228.D	1	05/24/07	NJ	05/22/07	OP20683	SU112

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49463-1, F49463-3, F49463-4, F49463-5

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	170	33	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	67	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	67	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	330	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	67	ug/kg	
132-64-9	Dibenzofuran	ND	170	33	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	330	83	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	330	170	ug/kg	
84-66-2	Diethyl phthalate	ND	330	83	ug/kg	
131-11-3	Dimethyl phthalate	ND	330	83	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	170	ug/kg	
206-44-0	Fluoranthene	ND	170	33	ug/kg	
86-73-7	Fluorene	ND	170	33	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	33	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	67	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	67	ug/kg	
67-72-1	Hexachloroethane	ND	170	67	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	67	ug/kg	
78-59-1	Isophorone	ND	170	33	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	33	ug/kg	
88-74-4	2-Nitroaniline	ND	330	83	ug/kg	
99-09-2	3-Nitroaniline	ND	330	83	ug/kg	
100-01-6	4-Nitroaniline	ND	330	120	ug/kg	
91-20-3	Naphthalene	ND	170	33	ug/kg	
98-95-3	Nitrobenzene	ND	170	33	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	67	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	33	ug/kg	
85-01-8	Phenanthrene	ND	170	33	ug/kg	
129-00-0	Pyrene	ND	170	67	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	33	ug/kg	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	74%	40-102%
4165-62-2	Phenol-d5	76%	41-100%

Method Blank Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20683-MB	U002228.D	1	05/24/07	NJ	05/22/07	OP20683	SU112

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49463-1, F49463-3, F49463-4, F49463-5

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	84%	42-108%
4165-60-0	Nitrobenzene-d5	73%	40-105%
321-60-8	2-Fluorobiphenyl	71%	43-107%
1718-51-0	Terphenyl-d14	85%	45-119%

Method Blank Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20683-MB	R08109.D	1	05/25/07	NJ	05/22/07	OP20683	SR385

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49463-1, F49463-3, F49463-4, F49463-5

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	830	330	ug/kg	
95-57-8	2-Chlorophenol	ND	170	33	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	33	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	33	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	830	330	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	330	67	ug/kg	
95-48-7	2-Methylphenol	ND	170	33	ug/kg	
	3&4-Methylphenol	ND	170	33	ug/kg	
88-75-5	2-Nitrophenol	ND	170	33	ug/kg	
100-02-7	4-Nitrophenol	ND	830	330	ug/kg	
87-86-5	Pentachlorophenol	ND	830	330	ug/kg	
108-95-2	Phenol	ND	170	33	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	33	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	33	ug/kg	
83-32-9	Acenaphthene	ND	170	33	ug/kg	
208-96-8	Acenaphthylene	ND	170	33	ug/kg	
120-12-7	Anthracene	ND	170	33	ug/kg	
92-87-5	Benzidine	ND	1700	830	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	33	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	33	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	33	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	67	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	33	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	33	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	330	83	ug/kg	
100-51-6	Benzyl Alcohol	ND	170	33	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	33	ug/kg	
106-47-8	4-Chloroaniline	ND	330	130	ug/kg	
218-01-9	Chrysene	ND	170	33	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	33	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	67	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	170	33	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	33	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	33	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	170	33	ug/kg	

Method Blank Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20683-MB	R08109.D	1	05/25/07	NJ	05/22/07	OP20683	SR385

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49463-1, F49463-3, F49463-4, F49463-5

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	170	33	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	67	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	67	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	330	170	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	67	ug/kg	
132-64-9	Dibenzofuran	ND	170	33	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	330	83	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	330	170	ug/kg	
84-66-2	Diethyl phthalate	ND	330	83	ug/kg	
131-11-3	Dimethyl phthalate	ND	330	83	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	170	ug/kg	
206-44-0	Fluoranthene	ND	170	33	ug/kg	
86-73-7	Fluorene	ND	170	33	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	33	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	67	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	67	ug/kg	
67-72-1	Hexachloroethane	ND	170	67	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	67	ug/kg	
78-59-1	Isophorone	ND	170	33	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	33	ug/kg	
88-74-4	2-Nitroaniline	ND	330	83	ug/kg	
99-09-2	3-Nitroaniline	ND	330	83	ug/kg	
100-01-6	4-Nitroaniline	ND	330	120	ug/kg	
91-20-3	Naphthalene	ND	170	33	ug/kg	
98-95-3	Nitrobenzene	ND	170	33	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	67	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	33	ug/kg	
85-01-8	Phenanthrene	ND	170	33	ug/kg	
129-00-0	Pyrene	ND	170	67	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	33	ug/kg	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	64%	40-102%
4165-62-2	Phenol-d5	65%	41-100%

Method Blank Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20683-MB	R08109.D	1	05/25/07	NJ	05/22/07	OP20683	SR385

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49463-1, F49463-3, F49463-4, F49463-5

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	75%	42-108%
4165-60-0	Nitrobenzene-d5	76%	40-105%
321-60-8	2-Fluorobiphenyl	69%	43-107%
1718-51-0	Terphenyl-d14	84%	45-119%

Blank Spike Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20683-BS	U002227.D	1	05/24/07	NJ	05/22/07	OP20683	SU112

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49463-1, F49463-3, F49463-4, F49463-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
65-85-0	Benzoic acid	3330	2490	75	44-116
95-57-8	2-Chlorophenol	1670	1190	71	54-97
59-50-7	4-Chloro-3-methyl phenol	1670	1310	79	59-102
120-83-2	2,4-Dichlorophenol	1670	1320	79	60-101
105-67-9	2,4-Dimethylphenol	1670	1180	71	49-89
51-28-5	2,4-Dinitrophenol	3330	2400	72	39-107
534-52-1	4,6-Dinitro-o-cresol	3330	2640	79	58-109
95-48-7	2-Methylphenol	1670	1170	70	53-94
	3&4-Methylphenol	3330	2380	71	54-95
88-75-5	2-Nitrophenol	1670	1240	74	55-96
100-02-7	4-Nitrophenol	3330	2640	79	56-106
87-86-5	Pentachlorophenol	3330	2530	76	50-115
108-95-2	Phenol	1670	1200	72	55-99
95-95-4	2,4,5-Trichlorophenol	1670	1300	78	60-101
88-06-2	2,4,6-Trichlorophenol	1670	1280	77	60-100
83-32-9	Acenaphthene	1670	1260	76	59-97
208-96-8	Acenaphthylene	1670	1260	76	58-98
120-12-7	Anthracene	1670	1310	79	61-104
56-55-3	Benzo(a)anthracene	1670	1290	77	60-106
50-32-8	Benzo(a)pyrene	1670	1290	77	59-102
205-99-2	Benzo(b)fluoranthene	1670	1270	76	60-107
191-24-2	Benzo(g,h,i)perylene	1670	1220	73	56-103
207-08-9	Benzo(k)fluoranthene	1670	1330	80	61-107
101-55-3	4-Bromophenyl phenyl ether	1670	1290	77	60-104
85-68-7	Butyl benzyl phthalate	1670	1190	71	57-110
100-51-6	Benzyl Alcohol	1670	1180	71	51-102
91-58-7	2-Chloronaphthalene	1670	1200	72	57-95
106-47-8	4-Chloroaniline	1670	986	59	19-85
218-01-9	Chrysene	1670	1290	77	60-107
111-91-1	bis(2-Chloroethoxy)methane	1670	1060	64	51-89
111-44-4	bis(2-Chloroethyl)ether	1670	1050	63	50-96
108-60-1	bis(2-Chloroisopropyl)ether	1670	884	53	44-94
7005-72-3	4-Chlorophenyl phenyl ether	1670	1240	74	60-101
95-50-1	1,2-Dichlorobenzene	1670	1070	64	47-91
541-73-1	1,3-Dichlorobenzene	1670	1010	61	45-86
106-46-7	1,4-Dichlorobenzene	1670	1010	61	45-88

Blank Spike Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20683-BS	U002227.D	1	05/24/07	NJ	05/22/07	OP20683	SU112

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49463-1, F49463-3, F49463-4, F49463-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
121-14-2	2,4-Dinitrotoluene	1670	1290	77	59-103
606-20-2	2,6-Dinitrotoluene	1670	1220	73	57-99
91-94-1	3,3'-Dichlorobenzidine	1670	972	58	34-88
53-70-3	Dibenzo(a,h)anthracene	1670	1180	71	57-105
132-64-9	Dibenzofuran	1670	1260	76	58-103
84-74-2	Di-n-butyl phthalate	1670	1250	75	59-105
117-84-0	Di-n-octyl phthalate	1670	1130	68	59-117
84-66-2	Diethyl phthalate	1670	1270	76	59-106
131-11-3	Dimethyl phthalate	1670	1250	75	60-100
117-81-7	bis(2-Ethylhexyl)phthalate	1670	1130	68	57-111
206-44-0	Fluoranthene	1670	1300	78	60-110
86-73-7	Fluorene	1670	1280	77	60-99
118-74-1	Hexachlorobenzene	1670	1290	77	58-103
87-68-3	Hexachlorobutadiene	1670	1190	71	49-95
77-47-4	Hexachlorocyclopentadiene	1670	1060	64	36-94
67-72-1	Hexachloroethane	1670	1000	60	44-89
193-39-5	Indeno(1,2,3-cd)pyrene	1670	1220	73	57-104
78-59-1	Isophorone	1670	1180	71	58-97
91-57-6	2-Methylnaphthalene	1670	1250	75	57-103
88-74-4	2-Nitroaniline	1670	1280	77	53-106
99-09-2	3-Nitroaniline	1670	990	59	29-85
100-01-6	4-Nitroaniline	1670	1250	75	49-104
91-20-3	Naphthalene	1670	1140	68	54-93
98-95-3	Nitrobenzene	1670	1100	66	53-92
621-64-7	N-Nitroso-di-n-propylamine	1670	1070	64	49-94
86-30-6	N-Nitrosodiphenylamine	1670	1270	76	53-107
85-01-8	Phenanthrene	1670	1280	77	61-103
129-00-0	Pyrene	1670	1320	79	58-109
120-82-1	1,2,4-Trichlorobenzene	1670	1160	70	52-93

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	72%	40-102%
4165-62-2	Phenol-d5	75%	41-100%
118-79-6	2,4,6-Tribromophenol	78%	42-108%

Blank Spike Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20683-BS	U002227.D	1	05/24/07	NJ	05/22/07	OP20683	SU112

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49463-1, F49463-3, F49463-4, F49463-5

CAS No.	Surrogate Recoveries	BSP	Limits
4165-60-0	Nitrobenzene-d5	68%	40-105%
321-60-8	2-Fluorobiphenyl	69%	43-107%
1718-51-0	Terphenyl-d14	74%	45-119%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20683-MS	U002245.D	1	05/24/07	NJ	05/22/07	OP20683	SU112
OP20683-MSD	U002246.D	1	05/24/07	NJ	05/22/07	OP20683	SU112
F49463-4	U002244.D	1	05/24/07	NJ	05/22/07	OP20683	SU112

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49463-1, F49463-3, F49463-4, F49463-5

CAS No.	Compound	F49463-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic acid	ND		3760	2330	62	2470	66	6	44-116/36
95-57-8	2-Chlorophenol	ND		1880	1330	71	1140	61	15	54-97/31
59-50-7	4-Chloro-3-methyl phenol	ND		1880	1490	79	1500	80	1	59-102/27
120-83-2	2,4-Dichlorophenol	ND		1880	1480	79	1370	73	8	60-101/30
105-67-9	2,4-Dimethylphenol	ND		1880	1260	67	1210	65	4	49-89/31
51-28-5	2,4-Dinitrophenol	ND		3760	1490	40	1620	43	8	39-107/40
534-52-1	4,6-Dinitro-o-cresol	ND		3760	2340	62	2620	70	11	58-109/37
95-48-7	2-Methylphenol	ND		1880	1380	73	1270	68	8	53-94/29
	3&4-Methylphenol	ND		3760	2670	71	2510	67	6	54-95/31
88-75-5	2-Nitrophenol	ND		1880	1370	73	1240	66	10	55-96/30
100-02-7	4-Nitrophenol	ND		3760	2470	66	2580	69	4	56-106/29
87-86-5	Pentachlorophenol	ND		3760	2510	67	2770	74	10	50-115/33
108-95-2	Phenol	ND		1880	1410	75	1260	67	11	55-99/28
95-95-4	2,4,5-Trichlorophenol	ND		1880	1440	77	1530	82	6	60-101/28
88-06-2	2,4,6-Trichlorophenol	ND		1880	1410	75	1450	78	3	60-100/27
83-32-9	Acenaphthene	ND		1880	1390	74	1390	74	0	59-97/29
208-96-8	Acenaphthylene	ND		1880	1390	74	1410	75	1	58-98/30
120-12-7	Anthracene	ND		1880	1470	78	1520	81	3	61-104/29
92-87-5	Benzidine	ND		1880	ND	0*	ND	0*	nc	10-151/50
56-55-3	Benzo(a)anthracene	ND		1880	1470	78	1530	82	4	60-106/31
50-32-8	Benzo(a)pyrene	ND		1880	1460	78	1510	81	3	59-102/32
205-99-2	Benzo(b)fluoranthene	ND		1880	1470	78	1500	80	2	60-107/31
191-24-2	Benzo(g,h,i)perylene	ND		1880	1370	73	1440	77	5	56-103/32
207-08-9	Benzo(k)fluoranthene	ND		1880	1460	78	1490	80	2	61-107/30
101-55-3	4-Bromophenyl phenyl ether	ND		1880	1430	76	1440	77	1	60-104/26
85-68-7	Butyl benzyl phthalate	ND		1880	1400	74	1410	75	1	57-110/28
100-51-6	Benzyl Alcohol	ND		1880	1330	71	1180	63	12	51-102/34
91-58-7	2-Chloronaphthalene	ND		1880	1310	70	1300	70	1	57-95/28
106-47-8	4-Chloroaniline	ND		1880	1160	62	1260	67	8	19-85/34
218-01-9	Chrysene	ND		1880	1450	77	1510	81	4	60-107/31
111-91-1	bis(2-Chloroethoxy)methane	ND		1880	1180	63	1080	58	9	51-89/30
111-44-4	bis(2-Chloroethyl)ether	ND		1880	1160	62	943	50	21	50-96/33
108-60-1	bis(2-Chloroisopropyl)ether	ND		1880	975	52	832	45	16	44-94/32
7005-72-3	4-Chlorophenyl phenyl ether	ND		1880	1380	73	1410	75	2	60-101/26
95-50-1	1,2-Dichlorobenzene	ND		1880	1050	56	872	47	19	47-91/35
541-73-1	1,3-Dichlorobenzene	ND		1880	967	51	793	42*	20	45-86/36

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20683-MS	U002245.D	1	05/24/07	NJ	05/22/07	OP20683	SU112
OP20683-MSD	U002246.D	1	05/24/07	NJ	05/22/07	OP20683	SU112
F49463-4	U002244.D	1	05/24/07	NJ	05/22/07	OP20683	SU112

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49463-1, F49463-3, F49463-4, F49463-5

CAS No.	Compound	F49463-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
106-46-7	1,4-Dichlorobenzene	ND		1880	981	52	815	44*	18	45-88/36
121-14-2	2,4-Dinitrotoluene	ND		1880	1450	77	1510	81	4	59-103/30
606-20-2	2,6-Dinitrotoluene	ND		1880	1360	72	1400	75	3	57-99/30
91-94-1	3,3'-Dichlorobenzidine	ND		1880	1220	65	1420	76	15	34-88/31
53-70-3	Dibenzo(a,h)anthracene	ND		1880	1390	74	1460	78	5	57-105/29
132-64-9	Dibenzofuran	ND		1880	1400	74	1420	76	1	58-103/27
84-74-2	Di-n-butyl phthalate	ND		1880	1430	76	1460	78	2	59-105/27
117-84-0	Di-n-octyl phthalate	ND		1880	1380	73	1370	73	1	59-117/28
84-66-2	Diethyl phthalate	ND		1880	1430	76	1470	79	3	59-106/27
131-11-3	Dimethyl phthalate	ND		1880	1400	74	1440	77	3	60-100/26
117-81-7	bis(2-Ethylhexyl)phthalate	ND		1880	1330	71	1340	72	1	57-111/29
206-44-0	Fluoranthene	ND		1880	1500	80	1560	83	4	60-110/32
86-73-7	Fluorene	ND		1880	1430	76	1460	78	2	60-99/30
118-74-1	Hexachlorobenzene	ND		1880	1410	75	1450	78	3	58-103/27
87-68-3	Hexachlorobutadiene	ND		1880	1170	62	1010	54	15	49-95/33
77-47-4	Hexachlorocyclopentadiene	ND		1880	1060	56	944	50	12	36-94/41
67-72-1	Hexachloroethane	ND		1880	951	51	787	42*	19	44-89/38
193-39-5	Indeno(1,2,3-cd)pyrene	ND		1880	1440	77	1510	81	5	57-104/33
78-59-1	Isophorone	ND		1880	1310	70	1230	66	6	58-97/30
91-57-6	2-Methylnaphthalene	ND		1880	1360	72	1280	68	6	57-103/32
88-74-4	2-Nitroaniline	ND		1880	1500	80	1560	83	4	53-106/29
99-09-2	3-Nitroaniline	ND		1880	1210	64	1420	76	16	29-85/31
100-01-6	4-Nitroaniline	ND		1880	1490	79	1580	85	6	49-104/31
91-20-3	Naphthalene	ND		1880	1220	65	1080	58	12	54-93/32
98-95-3	Nitrobenzene	ND		1880	1220	65	1090	58	11	53-92/32
621-64-7	N-Nitroso-di-n-propylamine	ND		1880	1210	64	1100	59	10	49-94/28
86-30-6	N-Nitrosodiphenylamine	ND		1880	1420	75	1450	78	2	53-107/28
85-01-8	Phenanthrene	ND		1880	1430	76	1480	79	3	61-103/32
129-00-0	Pyrene	ND		1880	1470	78	1500	80	2	58-109/33
120-82-1	1,2,4-Trichlorobenzene	ND		1880	1190	63	1040	56	13	52-93/32

CAS No.	Surrogate Recoveries	MS	MSD	F49463-4	Limits
367-12-4	2-Fluorophenol	74%	62%	62%	40-102%
4165-62-2	Phenol-d5	79%	71%	64%	41-100%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20683-MS	U002245.D	1	05/24/07	NJ	05/22/07	OP20683	SU112
OP20683-MSD	U002246.D	1	05/24/07	NJ	05/22/07	OP20683	SU112
F49463-4	U002244.D	1	05/24/07	NJ	05/22/07	OP20683	SU112

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49463-1, F49463-3, F49463-4, F49463-5

CAS No.	Surrogate Recoveries	MS	MSD	F49463-4	Limits
118-79-6	2,4,6-Tribromophenol	79%	82%	70%	42-108%
4165-60-0	Nitrobenzene-d5	71%	61%	61%	40-105%
321-60-8	2-Fluorobiphenyl	70%	68%	61%	43-107%
1718-51-0	Terphenyl-d14	76%	77%	75%	45-119%

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3190-MB	CD076964.D	1	05/14/07	MM	n/a	n/a	GCD3190

The QC reported here applies to the following samples: **Method:** SW846 8015

F49463-3, F49463-4, F49463-5

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	80%	56-136%
98-08-8	aaa-Trifluorotoluene	81%	61-121%

Method Blank Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3192-MB	CD077022.D	1	05/15/07	MM	n/a	n/a	GCD3192

The QC reported here applies to the following samples: **Method:** SW846 8015

F49463-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	83%	56-136%
98-08-8	aaa-Trifluorotoluene	77%	61-121%

Blank Spike Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3190-BS	CD076963.D	1	05/14/07	MM	n/a	n/a	GCD3190

The QC reported here applies to the following samples: **Method:** SW846 8015

F49463-3, F49463-4, F49463-5

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	20.0	100	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	92%	56-136%
98-08-8	aaa-Trifluorotoluene	93%	61-121%

Blank Spike Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3192-BS	CD077005.D	1	05/15/07	MM	n/a	n/a	GCD3192

The QC reported here applies to the following samples: **Method:** SW846 8015

F49463-1

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	19.6	98	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	96%	56-136%
98-08-8	aaa-Trifluorotoluene	98%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49463-4MS	CD076982.D	1	05/14/07	MM	n/a	n/a	GCD3190
F49463-4MSD	CD076983.D	1	05/14/07	MM	n/a	n/a	GCD3190
F49463-4	CD076980.D	1	05/14/07	MM	n/a	n/a	GCD3190

The QC reported here applies to the following samples: **Method:** SW846 8015

F49463-3, F49463-4, F49463-5

CAS No.	Compound	F49463-4 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		26.9	25.4	94	26.7	99	5	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F49463-4	Limits
460-00-4	4-Bromofluorobenzene	89%	97%	80%	56-136%
98-08-8	aaa-Trifluorotoluene	90%	90%	81%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49463-1MS	CD077008.D	1	05/15/07	MM	n/a	n/a	GCD3192
F49463-1MSD	CD077009.D	1	05/15/07	MM	n/a	n/a	GCD3192
F49463-1	CD077007.D	1	05/15/07	MM	n/a	n/a	GCD3192

The QC reported here applies to the following samples: **Method:** SW846 8015

F49463-1

CAS No.	Compound	F49463-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	126		97.6	191	67*	194	70*	2	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F49463-1	Limits
460-00-4	4-Bromofluorobenzene	446%* [b]	421%* [a]	473%* [a]	56-136%
98-08-8	aaa-Trifluorotoluene	93%	99%	83%	61-121%

(a) Outside control limits due to matrix interference. Confirmed by reanalysis.
(b) Outside control limits due to matrix interference.

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20690-MB	YY02495.D	1	05/23/07	MG	05/22/07	OP20690	GYY97

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F49463-1, F49463-3, F49463-4, F49463-5

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	79%	49-108%

Method Blank Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20690-MB	YY02520.D	1	05/24/07	MG	05/22/07	OP20690	GYY98

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F49463-1, F49463-3, F49463-4, F49463-5

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	80%	49-108%

Blank Spike Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20690-BS	YY02494.D	1	05/23/07	MG	05/22/07	OP20690	GYY97

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F49463-1, F49463-3, F49463-4, F49463-5

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	28.6	86	64-102
	TPH (> C22-C36)	33.3	30.7	92	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	85%	49-108%

8.2

8

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49463
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20690-MS	YY02506.D	1	05/23/07	MG	05/22/07	OP20690	GYY97
OP20690-MSD	YY02507.D	1	05/23/07	MG	05/22/07	OP20690	GYY97
F49463-4	YY02503.D	1	05/23/07	MG	05/22/07	OP20690	GYY97

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F49463-1, F49463-3, F49463-4, F49463-5

CAS No.	Compound	F49463-4 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		36.3	31.3	86	29.3	77	7	64-102/32
	TPH (> C22-C36)	ND		36.3	35.6	98	34.4	91	3	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F49463-4	Limits
84-15-1	o-Terphenyl	89%	82%	78%	49-108%

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F49463
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11969 Methods: SW846 7471A
Matrix Type: SOLID Units: mg/kg

Prep Date: 05/14/07

Metal	RL	IDL	MB raw	final
Mercury	0.083	.0067	0.00092	<0.083

Associated samples MP11969: F49463-1, F49463-3, F49463-4, F49463-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F49463
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11969 Methods: SW846 7471A
Matrix Type: SOLID Units: mg/kg

Prep Date: 05/14/07 05/14/07

Metal	F49463-4 Original	DUP	RPD	QC Limits	F49463-4 Original	MS	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.0	0.0	NC	0-20	0.0	0.25	0.277	90.3	80-120

Associated samples MP11969: F49463-1, F49463-3, F49463-4, F49463-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F49463
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11969 Methods: SW846 7471A
Matrix Type: SOLID Units: mg/kg

Prep Date: 05/14/07

Metal	F49463-4 Original	MSD	Spikelot HGFLWS1	% Rec	MSD RPD	QC Limit
Mercury	0.0	0.26	0.277	93.9	3.9	20

Associated samples MP11969: F49463-1, F49463-3, F49463-4, F49463-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F49463
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11969
Matrix Type: SOLID

Methods: SW846 7471A
Units: mg/kg

Prep Date: 05/14/07

Metal	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.26	0.25	104.0	80-120

Associated samples MP11969: F49463-1, F49463-3, F49463-4, F49463-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: F49463
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11969 Methods: SW846 7471A
Matrix Type: SOLID Units: ug/l

Prep Date: 05/14/07

Metal	F49463-4 Original	SDL 1:5	RPD	QC Limits
Mercury	0.00	0.00	NC	0-10

Associated samples MP11969: F49463-1, F49463-3, F49463-4, F49463-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F49463
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12047
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 05/22/07

Metal	RL	IDL	MB raw	final
Aluminum	9.9	.89	anr	
Antimony	3.0	.17	anr	
Arsenic	0.40	.14	0.020	<0.40
Barium	9.9	.25	0.021	<9.9
Beryllium	0.25	.05	anr	
Cadmium	0.20	.05	0.023	<0.20
Calcium	250	2.1	anr	
Chromium	0.50	.03	0.0	<0.50
Cobalt	2.5	.05	anr	
Copper	1.2	.045	anr	
Iron	5.0	.59	anr	
Lead	5.0	.084	0.15	<5.0
Magnesium	250	.21	anr	
Manganese	0.74	.03	anr	
Molybdenum	2.5	.064		
Nickel	2.0	.05	anr	
Potassium	500	.5	anr	
Selenium	5.0	.099	0.091	<5.0
Silver	0.50	.045	-0.040	<0.50
Sodium	500	25	anr	
Thallium	5.0	.11	anr	
Tin	2.5	.15		
Vanadium	2.5	.03	anr	
Zinc	0.99	.064	anr	

Associated samples MP12047: F49463-1, F49463-3, F49463-4, F49463-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F49463
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12047
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 05/22/07 05/22/07

Metal	F49463-4 Original	DUP	RPD	QC Limits	F49463-4 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	anr								
Antimony	anr								
Arsenic	1.1	1.1	0.0	0-20	1.1	104	113	90.8	80-120
Barium	75.1	84.2	11.4	0-20	75.1	204	113	113.8	80-120
Beryllium	anr								
Cadmium	0.24	0.25	4.1	0-20	0.24	2.8	2.83	90.4	80-120
Calcium	anr								
Chromium	7.5	8.0	6.5	0-20	7.5	17.0	11.3	83.9	80-120
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	2.6	2.5	3.9	0-20	2.6	28.2	28.3	90.4	80-120
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	0.0	0.0	NC	0-20	0.0	102	113	90.0	80-120
Silver	0.0	0.0	NC	0-20	0.0	2.9	2.83	102.4	80-120
Sodium	anr								
Thallium	anr								
Tin									
Vanadium	anr								
Zinc	anr								

Associated samples MP12047: F49463-1, F49463-3, F49463-4, F49463-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F49463
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12047 Methods: SW846 6010B
Matrix Type: SOLID Units: mg/kg

Prep Date: 05/22/07

Metal	F49463-4 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	anr					
Antimony	anr					
Arsenic	1.1	104	113	90.8	0.0	20
Barium	75.1	193	113	104.1	5.5	20
Beryllium	anr					
Cadmium	0.24	2.8	2.83	90.4	0.0	20
Calcium	anr					
Chromium	7.5	17.2	11.3	85.6	1.2	20
Cobalt	anr					
Copper	anr					
Iron	anr					
Lead	2.6	28.8	28.3	92.5	2.1	20
Magnesium	anr					
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	anr					
Selenium	0.0	101	113	89.2	1.0	20
Silver	0.0	2.8	2.83	98.9	3.5	20
Sodium	anr					
Thallium	anr					
Tin						
Vanadium	anr					
Zinc	anr					

Associated samples MP12047: F49463-1, F49463-3, F49463-4, F49463-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F49463
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12047
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 05/22/07

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	98.2	100	98.2	80-120
Barium	106	100	106.0	80-120
Beryllium	anr			
Cadmium	2.7	2.5	108.0	80-120
Calcium	anr			
Chromium	10.5	10	105.0	80-120
Cobalt	anr			
Copper	anr			
Iron	anr			
Lead	24.8	25	99.2	80-120
Magnesium	anr			
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	anr			
Selenium	91.8	100	91.8	80-120
Silver	2.4	2.5	96.0	80-120
Sodium	anr			
Thallium	anr			
Tin				
Vanadium	anr			
Zinc	anr			

Associated samples MP12047: F49463-1, F49463-3, F49463-4, F49463-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: F49463
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12047
Matrix Type: SOLID

Methods: SW846 6010B
Units: ug/l

Prep Date: 05/22/07

Metal	F49463-4 Original	SDL 1:5	RPD	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	19.2	15.9	17.3 (a)	0-10
Barium	1310	1380	5.4	0-10
Beryllium	anr			
Cadmium	4.16	0.00	100.0(a)	0-10
Calcium	anr			
Chromium	131	145	10.2*(b)	0-10
Cobalt	anr			
Copper	anr			
Iron	anr			
Lead	45.3	49.8	10.0	0-10
Magnesium	anr			
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	anr			
Selenium	0.00	0.00	NC	0-10
Silver	0.00	0.00	NC	0-10
Sodium	anr			
Thallium	anr			
Tin				
Vanadium	anr			
Zinc	anr			

Associated samples MP12047: F49463-1, F49463-3, F49463-4, F49463-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
(b) Serial dilution indicates possible matrix interference.

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

10/29/08

Technical Report for

Bhate Environmental Associates, Inc.

HOLMN

PROJECT # 9050361.01.02

Accutest Job Number: F49469

Sampling Date: 05/09/07

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **150**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Sections: 1 2 3 4 5 6 7 8 9 10

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **7**
3.1: F49469-1: SS61-MW05 8
3.2: F49469-2: SS61-MW05a 18
3.3: F49469-3: SS61-TMW61 28
3.4: F49469-4: SS61-TMW59 38
3.5: F49469-5: SS61-MW29-08 48
3.6: F49469-6: SS61-TRIP BLANK 58
3.7: F49469-11: SS61-TMW60 61
Section 4: Misc. Forms **71**
4.1: Chain of Custody 72
Section 5: GC/MS Volatiles - QC Data Summaries **75**
5.1: Method Blank Summary 76
5.2: Blank Spike Summary 86
5.3: Matrix Spike/Matrix Spike Duplicate Summary 96
Section 6: GC/MS Semi-volatiles - QC Data Summaries **106**
6.1: Method Blank Summary 107
6.2: Blank Spike Summary 113
6.3: Matrix Spike/Matrix Spike Duplicate Summary 116
Section 7: GC Volatiles - QC Data Summaries **119**
7.1: Method Blank Summary 120
7.2: Blank Spike Summary 122
7.3: Matrix Spike/Matrix Spike Duplicate Summary 124
Section 8: GC Semi-volatiles - QC Data Summaries **126**
8.1: Method Blank Summary 127
8.2: Blank Spike Summary 130
8.3: Matrix Spike/Matrix Spike Duplicate Summary 131
Section 9: Metals Analysis - QC Data Summaries **132**
9.1: Prep QC MP11972: Hg 133
9.2: Prep QC MP12017: Hg 138
9.3: Prep QC MP12024: As,Ba,Cd,Cr,Pb,Se,Ag 143
Section 10: General Chemistry - QC Data Summaries **148**
10.1: Method Blank and Spike Results Summary 149
10.2: Duplicate Results Summary 150

Sample Summary

Bhate Environmental Associates, Inc.

Job No: F49469

HOLMN
Project No: PROJECT # 9050361.01.02

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F49469-1	05/09/07	17:30	BW	05/11/07	AQ	Ground Water	SS61-MW05
F49469-1D	05/09/07	17:30	BW	05/11/07	AQ	Water Dup/MSD	SS61-MW05
F49469-1S	05/09/07	17:30	BW	05/11/07	AQ	Water Matrix Spike	SS61-MW05
F49469-2	05/09/07	17:30	BW	05/11/07	AQ	Ground Water	SS61-MW05a
F49469-3	05/09/07	11:20	BW	05/11/07	AQ	Ground Water	SS61-TMW61
F49469-4	05/09/07	09:45	BW	05/11/07	AQ	Ground Water	SS61-TMW59
F49469-5	05/09/07	09:25	BW	05/11/07	AQ	Ground Water	SS61-MW29-08
F49469-6	05/09/07	00:00	BW	05/11/07	AQ	Trip Blank Water	SS61-TRIP BLANK
F49469-7	05/09/07	00:00	BW	05/11/07	AQ	Trip Blank Water	SS61-TRIP BLANK
F49469-8	05/09/07	00:00	BW	05/11/07	AQ	Trip Blank Water	SS61-TRIP BLANK
F49469-9	05/09/07	00:00	BW	05/11/07	AQ	Trip Blank Water	SS61-TRIP BLANK
F49469-10	05/09/07	00:00	BW	05/11/07	AQ	Trip Blank Water	SS61-TRIP BLANK
F49469-11	05/09/07	11:20	BW	05/12/07	AQ	Ground Water	SS61-TMW60

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Bhate Environmental Associates, Inc. **Job No:** F49469

Site: HOLMN **Report Date** 6/5/2007 9:19:33 AM

6 Samples, 1 Trip Blank were collected on 05/09/2007 and received at Accutest between 05/11/2007 and 05/12/2007 properly preserved, at 3.6 Deg. C and intact. These Samples received an Accutest job number of F49469. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VJ2127

All samples were analyzed within the recommended method holding time.

Sample(s) F49469-1MS, F49469-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for Dichlorodifluoromethane are outside control limits. Biased high, not detected in the samples, data integrity not adversely affected.

MS/MSD Recovery(s) for 2-Chloroethyl vinyl ether, Trichlorofluoromethane are outside control limits. Probable cause due to matrix interference. See Blank Spike for method performance in clean matrix.

F49469-1: Confirmation run.

Matrix: AQ **Batch ID:** VJ2130

All samples were analyzed within the recommended method holding time.

Sample(s) F49400-1MS, F49400-1MSD were used as the QC samples indicated.

Sample(s) F49469-6 have compound(s) reported with a “B” qualifier, indicating analyte is found in the associated method blank.

Blank Spike Recovery(s) for Dichlorodifluoromethane are outside control limits. See above.

MS/MSD Recovery(s) for 2-Chloroethyl vinyl ether are outside control limits due to preservation. See Blank Spike. Probable cause due to matrix interference.

Matrix: AQ **Batch ID:** VJ2131

Sample(s) F49466-1MS, F49466-1MSD were used as the QC samples indicated.

Sample(s) F49469-11 have compound(s) reported with a “B” qualifier, indicating analyte is found in the associated method blank.

Blank Spike Recovery(s) for 1,1-Dichloropropene, Bromochloromethane, Methyl Tert Butyl Ether are outside control limits. Biased high, not detected in the samples, data integrity not adversely affected.

Matrix Spike Recovery(s) for 2-Chloroethyl vinyl ether, Acrolein, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 2-Chloroethyl vinyl ether, Acrolein, Dichlorodifluoromethane are outside control limits. Probable cause due to matrix interference. See Blank Spike for method performance in clean matrix.

RPD(s) for MSD for 2-Chloroethyl vinyl ether are outside control limits for sample F49466-1MSD. Probable cause due to sample homogeneity.

Matrix: AQ **Batch ID:** VN812

All method blanks for this batch meet method specific criteria.

Sample(s) F49471-1MS, F49471-1MSD were used as the QC samples indicated.

F49469-11: Sample re-analyzed beyond hold time; reported results are considered minimum values.

Extractables by GCMS By Method SW846 8270C

Matrix: AQ **Batch ID:** OP20601

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F49469-1MS, F49469-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

MS and/or MSD Recovery(s) for 3,3'-Dichlorobenzidine, Benzidine are outside control limits. Probable cause due to matrix interference. For method performance in clean matrix refer to Blank Spike.

Sample(s) OP20601-MSD have surrogates outside control limits. Probable cause due to matrix interference.

F49469-11: Dilution required due to matrix interference.

Volatiles by GC By Method SW846 8015

Matrix: AQ **Batch ID:** GCD3201

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49469-1MS, F49469-1MSD were used as the QC samples indicated.

Sample(s) F49469-3, F49469-4MSD, F49469-11 have surrogates outside control limits. Probable cause due to matrix interference.

F49469-3: Confirmation run.

Matrix: AQ **Batch ID:** GCD3203

All samples were analyzed within the recommended method holding time.

Sample(s) F49469-4MS, F49469-4MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Sample(s) F49469-3, F49469-4MSD, F49469-11 have surrogates outside control limits. Probable cause due to matrix interference.

F49469-11: Confirmation run.

F49469-11 for 4-Bromofluorobenzene: Outside control limits due to matrix interference. Confirmed by reanalysis.

F49469-11 for 4-Bromofluorobenzene: Outside control limits due to matrix interference. Confirmed by reanalysis.

F49469-3 for 4-Bromofluorobenzene: Outside control limits due to matrix interference. Confirmed by reanalysis.

F49469-4MSD for 4-Bromofluorobenzene: Outside control limits due to matrix interference. Confirmed by reanalysis.

F49469-4MSD for aaa-Trifluorotoluene: Outside control limits due to matrix interference.

F49469-4 for 4-Bromofluorobenzene: Outside control limits due to matrix interference. Confirmed by reanalysis.

F49469-4MS for 4-Bromofluorobenzene: Outside control limits due to matrix interference. Confirmed by reanalysis.

Extractables by GC By Method SW846 8015 M

Matrix: AQ **Batch ID:** OP20593

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49469-1MS, F49469-1MSD were used as the QC samples indicated.

Sample(s) F49469-11 have surrogates outside control limits. Probable cause due to matrix interference.

F49469-11 for o-Terphenyl: Outside control limits due to dilution.

Metals By Method SW846 6010B

Matrix: AQ **Batch ID:** MP12024

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49469-1DUP, F49469-1MS, F49469-1MSD, F49469-1SDL were used as the QC samples for metals.

RPD(s) for Duplicate for Lead are outside control limits for sample MP12024-D1. RPD acceptable due to low duplicate and sample concentrations.

RPD(s) for Serial Dilution for Arsenic, Barium, Chromium, Lead are outside control limits for sample MP12024-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

F49469-1 for Selenium: Elevated reporting limit(s) due to matrix interference.

F49469-2 for Lead: Elevated RL/MDL due to CRIA exceeding acceptance criteria.

F49469-3 for Lead: Elevated RL/MDL due to CRIA exceeding acceptance criteria.

F49469-11 for Lead: Elevated RL/MDL due to CRIA exceeding acceptance criteria.

F49469-4 for Lead: Elevated RL/MDL due to CRIA exceeding acceptance criteria.

F49469-5 for Lead: Elevated RL/MDL due to CRIA exceeding acceptance criteria.

F49469-4 for Selenium: Elevated reporting limit(s) due to matrix interference.

Metals By Method SW846 7470A

Matrix: AQ **Batch ID:** MP11972

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49469-1DUP, F49469-1MS, F49469-1MSD, F49469-1SDL were used as the QC samples for metals.

Matrix: AQ **Batch ID:** MP12017

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49499-1DUP, F49499-1MS, F49499-1MSD, F49499-1SDL were used as the QC samples for metals.

Wet Chemistry By Method EPA 160.1

Matrix: AQ **Batch ID:** GN25431

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49469-1DUP were used as the QC samples for Solids, Total Dissolved.

Matrix: AQ **Batch ID:** GN25476

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49469-11DUP were used as the QC samples for Solids, Total Dissolved.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: June 05, 2007

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-MW05		
Lab Sample ID:	F49469-1	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J029861.D	1	05/22/07	SH	n/a	n/a	VJ2130
Run #2 [a]	J029826.D	1	05/21/07	SH	n/a	n/a	VJ2127

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
75-05-8	Acetonitrile	ND	20	10	ug/l	
107-02-8	Acrolein	ND	20	10	ug/l	
107-13-1	Acrylonitrile	ND	10	5.0	ug/l	
107-05-1	Allyl chloride	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
100-44-7	Benzyl Chloride	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	1.0	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW05		
Lab Sample ID:	F49469-1	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	2.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
110-54-3	Hexane	ND	2.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
126-98-7	Methacrylonitrile	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
74-88-4	Methyl iodide	ND	5.0	2.5	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	2.5	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	5.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW05		
Lab Sample ID:	F49469-1	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	10	5.0	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	107%	99%	76-127%
2037-26-5	Toluene-D8	101%	97%	86-112%
460-00-4	4-Bromofluorobenzene	107%	109%	84-120%

(a) Confirmation run.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW05		
Lab Sample ID:	F49469-1	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U002217.D	1	05/23/07	NJ	05/16/07	OP20601	SU111
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.5	ug/l	
95-57-8	2-Chlorophenol	ND	4.8	1.9	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.8	1.9	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.5	4.8	ug/l	
95-48-7	2-Methylphenol	ND	4.8	1.9	ug/l	
	3&4-Methylphenol	ND	4.8	1.9	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.5	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.5	ug/l	
108-95-2	Phenol	ND	4.8	1.9	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.8	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.95	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
92-87-5	Benzidine	ND	24	14	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.95	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
100-51-6	Benzyl Alcohol	ND	4.8	0.95	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.95	ug/l	
106-47-8	4-Chloroaniline	ND	9.5	3.8	ug/l	
218-01-9	Chrysene	ND	4.8	0.95	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.8	0.95	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.8	1.9	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW05		
Lab Sample ID:	F49469-1	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.8	0.95	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.8	0.95	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.95	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.95	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.95	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.5	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.95	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.8	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.8	2.4	ug/l	
84-66-2	Diethyl phthalate	ND	4.8	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.8	1.9	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.8	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	0.95	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.95	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.95	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.95	ug/l	
88-74-4	2-Nitroaniline	ND	9.5	3.8	ug/l	
99-09-2	3-Nitroaniline	ND	9.5	3.8	ug/l	
100-01-6	4-Nitroaniline	ND	9.5	3.8	ug/l	
91-20-3	Naphthalene	ND	4.8	0.95	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.95	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.95	ug/l	
129-00-0	Pyrene	ND	4.8	0.95	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	31%		14-62%
4165-62-2	Phenol-d5	21%		10-40%
118-79-6	2,4,6-Tribromophenol	76%		33-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW05		
Lab Sample ID:	F49469-1	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	67%		42-108%
321-60-8	2-Fluorobiphenyl	66%		40-106%
1718-51-0	Terphenyl-d14	49%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW05		
Lab Sample ID:	F49469-1	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD077203.D	1	05/21/07	MM	n/a	n/a	GCD3201
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	83%		57-129%
98-08-8	aaa-Trifluorotoluene	91%		58-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW05		
Lab Sample ID:	F49469-1	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02406.D	1	05/17/07	MG	05/16/07	OP20593	GYY93
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.24	0.095	mg/l	
	TPH (> C22-C36)	ND	0.24	0.095	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	81%		42-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SS61-MW05
Lab Sample ID: F49469-1
Matrix: AQ - Ground Water
Project: HOLMN

Date Sampled: 05/09/07
Date Received: 05/11/07
Percent Solids: n/a

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	18.4	10	2.8	ug/l	1	05/18/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Barium	13.0 J	200	5.0	ug/l	1	05/18/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Cadmium	1.0 U	5.0	1.0	ug/l	1	05/18/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Chromium	0.77 J	10	0.60	ug/l	1	05/18/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Lead	1.7 U	5.0	1.7	ug/l	1	05/18/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Mercury	0.10 U	1.0	0.10	ug/l	1	05/14/07	05/14/07	MS	SW846 7470A [1]	SW846 7470A [3]
Selenium [a]	70 U	100	70	ug/l	1	05/18/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Silver	0.90 U	10	0.90	ug/l	1	05/18/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA5711
(2) Instrument QC Batch: MA5727
(3) Prep QC Batch: MP11972
(4) Prep QC Batch: MP12024

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-MW05		
Lab Sample ID:	F49469-1	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
		Percent Solids:	n/a
Project:	HOLMN		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	5670	100	10	mg/l	1	05/14/07 16:30	LE	EPA 160.1

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-MW05a		
Lab Sample ID:	F49469-2	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J029862.D	1	05/22/07	SH	n/a	n/a	VJ2130
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
75-05-8	Acetonitrile	ND	20	10	ug/l	
107-02-8	Acrolein	ND	20	10	ug/l	
107-13-1	Acrylonitrile	ND	10	5.0	ug/l	
107-05-1	Allyl chloride	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
100-44-7	Benzyl Chloride	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	1.0	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW05a		
Lab Sample ID:	F49469-2	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	2.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
110-54-3	Hexane	ND	2.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
126-98-7	Methacrylonitrile	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
74-88-4	Methyl iodide	ND	5.0	2.5	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	2.5	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	5.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW05a		
Lab Sample ID:	F49469-2	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	10	5.0	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		87-116%
17060-07-0	1,2-Dichloroethane-D4	105%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	108%		84-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW05a		
Lab Sample ID:	F49469-2	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U002220.D	1	05/23/07	NJ	05/16/07	OP20601	SU111
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.5	ug/l	
95-57-8	2-Chlorophenol	ND	4.8	1.9	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.8	1.9	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.5	4.8	ug/l	
95-48-7	2-Methylphenol	ND	4.8	1.9	ug/l	
	3&4-Methylphenol	ND	4.8	1.9	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.5	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.5	ug/l	
108-95-2	Phenol	ND	4.8	1.9	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.8	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.95	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
92-87-5	Benzidine	ND	24	14	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.95	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
100-51-6	Benzyl Alcohol	ND	4.8	0.95	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.95	ug/l	
106-47-8	4-Chloroaniline	ND	9.5	3.8	ug/l	
218-01-9	Chrysene	ND	4.8	0.95	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.8	0.95	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.8	1.9	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW05a		
Lab Sample ID:	F49469-2	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.8	0.95	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.8	0.95	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.95	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.95	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.95	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.5	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.95	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.8	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.8	2.4	ug/l	
84-66-2	Diethyl phthalate	ND	4.8	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.8	1.9	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.8	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	0.95	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.95	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.95	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.95	ug/l	
88-74-4	2-Nitroaniline	ND	9.5	3.8	ug/l	
99-09-2	3-Nitroaniline	ND	9.5	3.8	ug/l	
100-01-6	4-Nitroaniline	ND	9.5	3.8	ug/l	
91-20-3	Naphthalene	ND	4.8	0.95	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.95	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.95	ug/l	
129-00-0	Pyrene	ND	4.8	0.95	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	28%		14-62%
4165-62-2	Phenol-d5	20%		10-40%
118-79-6	2,4,6-Tribromophenol	70%		33-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW05a		
Lab Sample ID:	F49469-2	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	59%		42-108%
321-60-8	2-Fluorobiphenyl	58%		40-106%
1718-51-0	Terphenyl-d14	43%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW05a		
Lab Sample ID:	F49469-2	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD077204.D	1	05/21/07	MM	n/a	n/a	GCD3201
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	85%		57-129%
98-08-8	aaa-Trifluorotoluene	85%		58-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW05a		
Lab Sample ID:	F49469-2	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02409.D	1	05/17/07	MG	05/16/07	OP20593	GYY93
Run #2							

	Initial Volume	Final Volume
Run #1	960 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.26	0.10	mg/l	
	TPH (> C22-C36)	ND	0.26	0.10	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	87%		42-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW05a		
Lab Sample ID:	F49469-2	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
		Percent Solids:	n/a
Project:	HOLMN		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	15.8	10	2.8	ug/l	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3010A [4]
Barium	13.9 J	200	5.0	ug/l	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3010A [4]
Cadmium	1.0 U	5.0	1.0	ug/l	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3010A [4]
Chromium	0.89 J	10	0.60	ug/l	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3010A [4]
Lead [a]	3.4 U	10	3.4	ug/l	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3010A [4]
Mercury	0.10 U	1.0	0.10	ug/l	1	05/14/07	05/14/07	MS	SW846 7470A [1]	SW846 7470A [3]
Selenium	2.8 U	10	2.8	ug/l	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3010A [4]
Silver	0.90 U	10	0.90	ug/l	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA5711
(2) Instrument QC Batch: MA5725
(3) Prep QC Batch: MP11972
(4) Prep QC Batch: MP12024

(a) Elevated RL/MDL due to CRIA exceeding acceptance criteria.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-MW05a		
Lab Sample ID:	F49469-2	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
		Percent Solids:	n/a
Project:	HOLMN		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	5430	100	10	mg/l	1	05/14/07 16:30	LE	EPA 160.1

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-TMW61		
Lab Sample ID:	F49469-3	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J029834.D	50	05/21/07	SH	n/a	n/a	VJ2127
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	1300	250	ug/l	
75-05-8	Acetonitrile	ND	1000	500	ug/l	
107-02-8	Acrolein	ND	1000	500	ug/l	
107-13-1	Acrylonitrile	ND	500	250	ug/l	
107-05-1	Allyl chloride	ND	500	250	ug/l	
71-43-2	Benzene	2930	50	25	ug/l	
100-44-7	Benzyl Chloride	ND	50	25	ug/l	
108-86-1	Bromobenzene	ND	50	25	ug/l	
74-97-5	Bromochloromethane	ND	50	25	ug/l	
75-27-4	Bromodichloromethane	ND	50	25	ug/l	
75-25-2	Bromoform	ND	50	25	ug/l	
104-51-8	n-Butylbenzene	ND	50	25	ug/l	
135-98-8	sec-Butylbenzene	ND	50	25	ug/l	
98-06-6	tert-Butylbenzene	ND	50	25	ug/l	
108-90-7	Chlorobenzene	ND	50	25	ug/l	
75-00-3	Chloroethane	ND	100	50	ug/l	
67-66-3	Chloroform	ND	50	25	ug/l	
544-10-5	1-Chlorohexane	ND	100	50	ug/l	
95-49-8	o-Chlorotoluene	ND	50	25	ug/l	
106-43-4	p-Chlorotoluene	ND	50	25	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	250	130	ug/l	
75-15-0	Carbon disulfide	ND	100	50	ug/l	
56-23-5	Carbon tetrachloride	ND	50	25	ug/l	
75-34-3	1,1-Dichloroethane	ND	50	25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	50	25	ug/l	
563-58-6	1,1-Dichloropropene	ND	50	25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	100	50	ug/l	
106-93-4	1,2-Dibromoethane	ND	50	25	ug/l	
107-06-2	1,2-Dichloroethane	ND	50	25	ug/l	
78-87-5	1,2-Dichloropropane	ND	50	25	ug/l	
142-28-9	1,3-Dichloropropane	ND	50	25	ug/l	
594-20-7	2,2-Dichloropropane	ND	50	25	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW61		
Lab Sample ID:	F49469-3	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	50	20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	50	25	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	50	25	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	50	15	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	500	250	ug/l	
541-73-1	m-Dichlorobenzene	ND	50	25	ug/l	
95-50-1	o-Dichlorobenzene	ND	50	25	ug/l	
106-46-7	p-Dichlorobenzene	ND	50	25	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	50	25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	50	15	ug/l	
100-41-4	Ethylbenzene	174	50	25	ug/l	
97-63-2	Ethyl methacrylate	ND	250	100	ug/l	
76-13-1	Freon 113	ND	50	25	ug/l	
591-78-6	2-Hexanone	ND	250	130	ug/l	
87-68-3	Hexachlorobutadiene	ND	100	25	ug/l	
110-54-3	Hexane	ND	100	50	ug/l	
98-82-8	Isopropylbenzene	1150	50	25	ug/l	
99-87-6	p-Isopropyltoluene	ND	50	25	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	250	130	ug/l	
126-98-7	Methacrylonitrile	ND	1000	500	ug/l	
74-83-9	Methyl bromide	ND	100	50	ug/l	
74-87-3	Methyl chloride	ND	100	50	ug/l	
74-88-4	Methyl iodide	ND	250	130	ug/l	
80-62-6	Methyl methacrylate	ND	250	130	ug/l	
74-95-3	Methylene bromide	ND	100	25	ug/l	
75-09-2	Methylene chloride	56.7	250	50	ug/l	J
78-93-3	Methyl ethyl ketone	ND	250	130	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	50	25	ug/l	
91-20-3	Naphthalene	ND	100	50	ug/l	
76-01-7	Pentachloroethane	ND	500	250	ug/l	
107-12-0	Propionitrile	ND	1000	500	ug/l	
103-65-1	n-Propylbenzene	ND	50	25	ug/l	
100-42-5	Styrene	ND	50	25	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	50	25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	25	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	50	25	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	50	25	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	100	50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	50	25	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW61		
Lab Sample ID:	F49469-3	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	100	50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	100	50	ug/l	
127-18-4	Tetrachloroethylene	ND	50	25	ug/l	
108-88-3	Toluene	ND	50	25	ug/l	
79-01-6	Trichloroethylene	ND	50	25	ug/l	
75-69-4	Trichlorofluoromethane	ND	100	25	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	500	250	ug/l	
75-01-4	Vinyl chloride	ND	50	25	ug/l	
108-05-4	Vinyl Acetate	ND	500	250	ug/l	
	m,p-Xylene	ND	100	25	ug/l	
95-47-6	o-Xylene	ND	50	25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		87-116%
17060-07-0	1,2-Dichloroethane-D4	94%		76-127%
2037-26-5	Toluene-D8	96%		86-112%
460-00-4	4-Bromofluorobenzene	106%		84-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW61		
Lab Sample ID:	F49469-3	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U002234.D	1	05/24/07	NJ	05/16/07	OP20601	SU112
Run #2							

	Initial Volume	Final Volume
Run #1	1010 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	9.9	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	2.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	2.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	9.9	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.9	5.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	2.0	ug/l	
	3&4-Methylphenol	ND	5.0	2.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	2.0	ug/l	
100-02-7	4-Nitrophenol	ND	25	9.9	ug/l	
87-86-5	Pentachlorophenol	ND	25	9.9	ug/l	
108-95-2	Phenol	18.0	5.0	2.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.0	ug/l	
83-32-9	Acenaphthene	ND	5.0	0.99	ug/l	
208-96-8	Acenaphthylene	ND	5.0	0.99	ug/l	
120-12-7	Anthracene	ND	5.0	0.99	ug/l	
92-87-5	Benzidine	ND	25	15	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	0.99	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	0.99	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	0.99	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	0.99	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	0.99	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	0.99	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.99	ug/l	
106-47-8	4-Chloroaniline	ND	9.9	4.0	ug/l	
218-01-9	Chrysene	ND	5.0	0.99	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	0.99	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	2.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW61		
Lab Sample ID:	F49469-3	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	0.99	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	0.99	ug/l	
95-50-1	1,2-Dichlorobenzene	1.2	5.0	0.99	ug/l	J
541-73-1	1,3-Dichlorobenzene	ND	5.0	0.99	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	0.99	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.9	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.99	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	2.5	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	2.5	ug/l	
206-44-0	Fluoranthene	ND	5.0	0.99	ug/l	
86-73-7	Fluorene	ND	5.0	0.99	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	0.99	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	2.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
78-59-1	Isophorone	ND	5.0	0.99	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	0.99	ug/l	
88-74-4	2-Nitroaniline	ND	9.9	4.0	ug/l	
99-09-2	3-Nitroaniline	ND	9.9	4.0	ug/l	
100-01-6	4-Nitroaniline	ND	9.9	4.0	ug/l	
91-20-3	Naphthalene	ND	5.0	0.99	ug/l	
98-95-3	Nitrobenzene	ND	5.0	0.99	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	0.99	ug/l	
129-00-0	Pyrene	ND	5.0	0.99	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.99	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	27%		14-62%
4165-62-2	Phenol-d5	22%		10-40%
118-79-6	2,4,6-Tribromophenol	75%		33-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW61		
Lab Sample ID:	F49469-3	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	53%		42-108%
321-60-8	2-Fluorobiphenyl	58%		40-106%
1718-51-0	Terphenyl-d14	53%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW61		
Lab Sample ID:	F49469-3	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD077270.D	50	05/22/07	MM	n/a	n/a	GCD3203
Run #2 [a]	CD077205.D	1	05/21/07	MM	n/a	n/a	GCD3201

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	7.49	5.0	2.5	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	361% [b]	13965%	57-129%
98-08-8	aaa-Trifluorotoluene	96%	117%	58-120%

(a) Confirmation run.
(b) Outside control limits due to matrix interference. Confirmed by reanalysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW61		
Lab Sample ID:	F49469-3	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02457.D	1	05/22/07	MG	05/16/07	OP20593	GYY96
Run #2							

	Initial Volume	Final Volume
Run #1	1010 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	0.706	0.25	0.099	mg/l	
	TPH (> C22-C36)	0.125	0.25	0.099	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	66%		42-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW61		
Lab Sample ID:	F49469-3	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
		Percent Solids:	n/a
Project:	HOLMN		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.8 U	10	2.8	ug/l	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3010A [4]
Barium	24.2 J	200	5.0	ug/l	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3010A [4]
Cadmium	1.0 U	5.0	1.0	ug/l	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3010A [4]
Chromium	0.91 J	10	0.60	ug/l	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3010A [4]
Lead [a]	3.4 U	10	3.4	ug/l	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3010A [4]
Mercury	0.10 U	1.0	0.10	ug/l	1	05/14/07	05/14/07	MS	SW846 7470A [1]	SW846 7470A [3]
Selenium	2.8 U	10	2.8	ug/l	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3010A [4]
Silver	0.90 U	10	0.90	ug/l	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA5711
(2) Instrument QC Batch: MA5725
(3) Prep QC Batch: MP11972
(4) Prep QC Batch: MP12024

(a) Elevated RL/MDL due to CRIA exceeding acceptance criteria.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-TMW61		
Lab Sample ID:	F49469-3	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
		Percent Solids:	n/a
Project:	HOLMN		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	12900	100	10	mg/l	1	05/14/07 16:30	LE	EPA 160.1

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-TMW59		
Lab Sample ID:	F49469-4	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J029835.D	10	05/21/07	SH	n/a	n/a	VJ2127
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	250	50	ug/l	
75-05-8	Acetonitrile	ND	200	100	ug/l	
107-02-8	Acrolein	ND	200	100	ug/l	
107-13-1	Acrylonitrile	ND	100	50	ug/l	
107-05-1	Allyl chloride	ND	100	50	ug/l	
71-43-2	Benzene	333	10	5.0	ug/l	
100-44-7	Benzyl Chloride	ND	10	5.0	ug/l	
108-86-1	Bromobenzene	ND	10	5.0	ug/l	
74-97-5	Bromochloromethane	ND	10	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	10	5.0	ug/l	
75-25-2	Bromoform	ND	10	5.0	ug/l	
104-51-8	n-Butylbenzene	ND	10	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	10	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	10	5.0	ug/l	
108-90-7	Chlorobenzene	ND	10	5.0	ug/l	
75-00-3	Chloroethane	ND	20	10	ug/l	
67-66-3	Chloroform	ND	10	5.0	ug/l	
544-10-5	1-Chlorohexane	ND	20	10	ug/l	
95-49-8	o-Chlorotoluene	ND	10	5.0	ug/l	
106-43-4	p-Chlorotoluene	ND	10	5.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	50	25	ug/l	
75-15-0	Carbon disulfide	ND	20	10	ug/l	
56-23-5	Carbon tetrachloride	ND	10	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	5.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	10	5.0	ug/l	
563-58-6	1,1-Dichloropropene	ND	10	5.0	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	20	10	ug/l	
106-93-4	1,2-Dibromoethane	ND	10	5.0	ug/l	
107-06-2	1,2-Dichloroethane	12.5	10	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	5.0	ug/l	
142-28-9	1,3-Dichloropropane	ND	10	5.0	ug/l	
594-20-7	2,2-Dichloropropane	ND	10	5.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW59		
Lab Sample ID:	F49469-4	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	10	4.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	5.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	10	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	3.0	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	100	50	ug/l	
541-73-1	m-Dichlorobenzene	ND	10	5.0	ug/l	
95-50-1	o-Dichlorobenzene	ND	10	5.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	10	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	10	5.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	3.0	ug/l	
100-41-4	Ethylbenzene	39.6	10	5.0	ug/l	
97-63-2	Ethyl methacrylate	ND	50	20	ug/l	
76-13-1	Freon 113	ND	10	5.0	ug/l	
591-78-6	2-Hexanone	ND	50	25	ug/l	
87-68-3	Hexachlorobutadiene	ND	20	5.0	ug/l	
110-54-3	Hexane	ND	20	10	ug/l	
98-82-8	Isopropylbenzene	863	10	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	50	25	ug/l	
126-98-7	Methacrylonitrile	ND	200	100	ug/l	
74-83-9	Methyl bromide	ND	20	10	ug/l	
74-87-3	Methyl chloride	ND	20	10	ug/l	
74-88-4	Methyl iodide	ND	50	25	ug/l	
80-62-6	Methyl methacrylate	ND	50	25	ug/l	
74-95-3	Methylene bromide	ND	20	5.0	ug/l	
75-09-2	Methylene chloride	11.1	50	10	ug/l	J
78-93-3	Methyl ethyl ketone	ND	50	25	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	5.0	ug/l	
91-20-3	Naphthalene	ND	20	10	ug/l	
76-01-7	Pentachloroethane	ND	100	50	ug/l	
107-12-0	Propionitrile	ND	200	100	ug/l	
103-65-1	n-Propylbenzene	5.6	10	5.0	ug/l	J
100-42-5	Styrene	ND	10	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	10	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	4.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	5.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	10	5.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	20	10	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	10	5.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW59		
Lab Sample ID:	F49469-4	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	20	10	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	20	10	ug/l	
127-18-4	Tetrachloroethylene	ND	10	5.0	ug/l	
108-88-3	Toluene	ND	10	5.0	ug/l	
79-01-6	Trichloroethylene	ND	10	5.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	20	5.0	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	100	50	ug/l	
75-01-4	Vinyl chloride	ND	10	5.0	ug/l	
108-05-4	Vinyl Acetate	ND	100	50	ug/l	
	m,p-Xylene	ND	20	5.0	ug/l	
95-47-6	o-Xylene	ND	10	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		87-116%
17060-07-0	1,2-Dichloroethane-D4	94%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	105%		84-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SS61-TMW59
Lab Sample ID: F49469-4
Matrix: AQ - Ground Water
Method: SW846 8270C SW846 3510C
Project: HOLMN

Date Sampled: 05/09/07
Date Received: 05/11/07
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U002235.D	1	05/24/07	NJ	05/16/07	OP20601	SU112
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	2.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	2.0	ug/l	
105-67-9	2,4-Dimethylphenol	2.2	5.0	2.0	ug/l	J
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	5.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	2.0	ug/l	
	3&4-Methylphenol	ND	5.0	2.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	2.0	ug/l	
100-02-7	4-Nitrophenol	ND	25	10	ug/l	
87-86-5	Pentachlorophenol	ND	25	10	ug/l	
108-95-2	Phenol	3.7	5.0	2.0	ug/l	J
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.0	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
92-87-5	Benzidine	ND	25	15	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	4.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	2.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW59		
Lab Sample ID:	F49469-4	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	1.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	1.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	2.5	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	2.5	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	2.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
88-74-4	2-Nitroaniline	ND	10	4.0	ug/l	
99-09-2	3-Nitroaniline	ND	10	4.0	ug/l	
100-01-6	4-Nitroaniline	ND	10	4.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	35%		14-62%
4165-62-2	Phenol-d5	28%		10-40%
118-79-6	2,4,6-Tribromophenol	83%		33-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW59		
Lab Sample ID:	F49469-4	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	68%		42-108%
321-60-8	2-Fluorobiphenyl	70%		40-106%
1718-51-0	Terphenyl-d14	50%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW59		
Lab Sample ID:	F49469-4	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD077262.D	5	05/22/07	MM	n/a	n/a	GCD3203
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1.57	0.50	0.25	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	1994% [a]		57-129%
98-08-8	aaa-Trifluorotoluene	99%		58-120%

(a) Outside control limits due to matrix interference. Confirmed by reanalysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW59		
Lab Sample ID:	F49469-4	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02411.D	1	05/17/07	MG	05/16/07	OP20593	GYY93
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	0.607	0.25	0.10	mg/l	
	TPH (> C22-C36)	0.165	0.25	0.10	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	78%		42-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SS61-TMW59
Lab Sample ID: F49469-4
Matrix: AQ - Ground Water
Project: HOLMN

Date Sampled: 05/09/07
Date Received: 05/11/07
Percent Solids: n/a

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	8.4 J	10	2.8	ug/l	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3010A [4]
Barium	17.8 J	200	5.0	ug/l	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3010A [4]
Cadmium	1.0 U	5.0	1.0	ug/l	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3010A [4]
Chromium	1.8 J	10	0.60	ug/l	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3010A [4]
Lead [a]	3.4 U	10	3.4	ug/l	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3010A [4]
Mercury	0.10 U	1.0	0.10	ug/l	1	05/14/07	05/14/07	MS	SW846 7470A [1]	SW846 7470A [3]
Selenium [b]	14 U	40	14	ug/l	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3010A [4]
Silver	0.96 J	10	0.90	ug/l	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA5711
(2) Instrument QC Batch: MA5725
(3) Prep QC Batch: MP11972
(4) Prep QC Batch: MP12024

(a) Elevated RL/MDL due to CRIA exceeding acceptance criteria.
(b) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-TMW59		
Lab Sample ID:	F49469-4	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
		Percent Solids:	n/a
Project:	HOLMN		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	12200	100	10	mg/l	1	05/14/07 16:30	LE	EPA 160.1

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-MW29-08		
Lab Sample ID:	F49469-5	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J029863.D	1	05/22/07	SH	n/a	n/a	VJ2130
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	5.4	25	5.0	ug/l	J
75-05-8	Acetonitrile	ND	20	10	ug/l	
107-02-8	Acrolein	ND	20	10	ug/l	
107-13-1	Acrylonitrile	ND	10	5.0	ug/l	
107-05-1	Allyl chloride	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
100-44-7	Benzyl Chloride	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	1.0	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	18.6	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW29-08		
Lab Sample ID:	F49469-5	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	2.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
110-54-3	Hexane	ND	2.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
126-98-7	Methacrylonitrile	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
74-88-4	Methyl iodide	ND	5.0	2.5	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	2.5	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	5.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW29-08		
Lab Sample ID:	F49469-5	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	10	5.0	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		87-116%
17060-07-0	1,2-Dichloroethane-D4	108%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	107%		84-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW29-08		
Lab Sample ID:	F49469-5	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U002236.D	1	05/24/07	NJ	05/16/07	OP20601	SU112
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.6	ug/l	
95-57-8	2-Chlorophenol	ND	4.8	1.9	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.8	1.9	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.6	4.8	ug/l	
95-48-7	2-Methylphenol	ND	4.8	1.9	ug/l	
	3&4-Methylphenol	ND	4.8	1.9	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.6	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.6	ug/l	
108-95-2	Phenol	ND	4.8	1.9	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.8	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.96	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.96	ug/l	
120-12-7	Anthracene	ND	4.8	0.96	ug/l	
92-87-5	Benzidine	ND	24	14	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.96	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.96	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.96	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.96	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
100-51-6	Benzyl Alcohol	ND	4.8	0.96	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.96	ug/l	
106-47-8	4-Chloroaniline	ND	9.6	3.8	ug/l	
218-01-9	Chrysene	ND	4.8	0.96	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.8	0.96	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.8	1.9	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW29-08		
Lab Sample ID:	F49469-5	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.8	0.96	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.8	0.96	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.96	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.96	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.96	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.6	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.96	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.8	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.8	2.4	ug/l	
84-66-2	Diethyl phthalate	ND	4.8	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.8	1.9	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.8	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	0.96	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.96	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.96	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.96	ug/l	
88-74-4	2-Nitroaniline	ND	9.6	3.8	ug/l	
99-09-2	3-Nitroaniline	ND	9.6	3.8	ug/l	
100-01-6	4-Nitroaniline	ND	9.6	3.8	ug/l	
91-20-3	Naphthalene	ND	4.8	0.96	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.96	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.96	ug/l	
129-00-0	Pyrene	ND	4.8	0.96	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	0.96	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	29%		14-62%
4165-62-2	Phenol-d5	22%		10-40%
118-79-6	2,4,6-Tribromophenol	67%		33-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW29-08		
Lab Sample ID:	F49469-5	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	61%		42-108%
321-60-8	2-Fluorobiphenyl	59%		40-106%
1718-51-0	Terphenyl-d14	49%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW29-08		
Lab Sample ID:	F49469-5	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD077207.D	1	05/21/07	MM	n/a	n/a	GCD3201
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	103%		57-129%
98-08-8	aaa-Trifluorotoluene	89%		58-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW29-08		
Lab Sample ID:	F49469-5	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02412.D	1	05/17/07	MG	05/16/07	OP20593	GYY93
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.24	0.096	mg/l	
	TPH (> C22-C36)	ND	0.24	0.096	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	69%		42-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SS61-MW29-08
Lab Sample ID: F49469-5
Matrix: AQ - Ground Water
Project: HOLMN

Date Sampled: 05/09/07
Date Received: 05/11/07
Percent Solids: n/a

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	12.1	10	2.8	ug/l	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3010A [4]
Barium	15.8 J	200	5.0	ug/l	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3010A [4]
Cadmium	1.0 U	5.0	1.0	ug/l	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3010A [4]
Chromium	1.2 J	10	0.60	ug/l	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3010A [4]
Lead [a]	3.4 U	10	3.4	ug/l	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3010A [4]
Mercury	0.13 J	1.0	0.10	ug/l	1	05/14/07	05/14/07	MS	SW846 7470A [1]	SW846 7470A [3]
Selenium	3.1 J	10	2.8	ug/l	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3010A [4]
Silver	0.90 U	10	0.90	ug/l	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA5711
(2) Instrument QC Batch: MA5725
(3) Prep QC Batch: MP11972
(4) Prep QC Batch: MP12024

(a) Elevated RL/MDL due to CRIA exceeding acceptance criteria.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-MW29-08		
Lab Sample ID:	F49469-5	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/11/07
		Percent Solids:	n/a
Project:	HOLMN		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	18500	100	10	mg/l	1	05/14/07 16:30	LE	EPA 160.1

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-TRIP BLANK		
Lab Sample ID:	F49469-6	**Date Sampled:**	05/09/07
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/11/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J029866.D	1	05/22/07	SH	n/a	n/a	VJ2130
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
75-05-8	Acetonitrile	ND	20	10	ug/l	
107-02-8	Acrolein	ND	20	10	ug/l	
107-13-1	Acrylonitrile	ND	10	5.0	ug/l	
107-05-1	Allyl chloride	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
100-44-7	Benzyl Chloride	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	1.0	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TRIP BLANK		
Lab Sample ID:	F49469-6	**Date Sampled:**	05/09/07
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/11/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	2.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
110-54-3	Hexane	ND	2.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
126-98-7	Methacrylonitrile	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
74-88-4	Methyl iodide	ND	5.0	2.5	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	2.5	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	5.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.55	1.0	0.50	ug/l	JB
96-18-4	1,2,3-Trichloropropane	ND	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TRIP BLANK		
Lab Sample ID:	F49469-6	**Date Sampled:**	05/09/07
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/11/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	10	5.0	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		87-116%
17060-07-0	1,2-Dichloroethane-D4	101%		76-127%
2037-26-5	Toluene-D8	100%		86-112%
460-00-4	4-Bromofluorobenzene	106%		84-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW60		
Lab Sample ID:	F49469-11	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J029912.D	50	05/23/07	SH	n/a	n/a	VJ2131
Run #2 [a]	N0019165.D	250	05/24/07	JG	n/a	n/a	VN812

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	1300	250	ug/l	
75-05-8	Acetonitrile	ND	1000	500	ug/l	
107-02-8	Acrolein	ND	1000	500	ug/l	
107-13-1	Acrylonitrile	ND	500	250	ug/l	
107-05-1	Allyl chloride	ND	500	250	ug/l	
71-43-2	Benzene	18300 [b]	250	130	ug/l	
100-44-7	Benzyl Chloride	ND	50	25	ug/l	
108-86-1	Bromobenzene	ND	50	25	ug/l	
74-97-5	Bromochloromethane	ND	50	25	ug/l	
75-27-4	Bromodichloromethane	ND	50	25	ug/l	
75-25-2	Bromoform	ND	50	25	ug/l	
104-51-8	n-Butylbenzene	ND	50	25	ug/l	
135-98-8	sec-Butylbenzene	ND	50	25	ug/l	
98-06-6	tert-Butylbenzene	ND	50	25	ug/l	
108-90-7	Chlorobenzene	ND	50	25	ug/l	
75-00-3	Chloroethane	ND	100	50	ug/l	
67-66-3	Chloroform	ND	50	25	ug/l	
544-10-5	1-Chlorohexane	ND	100	50	ug/l	
95-49-8	o-Chlorotoluene	ND	50	25	ug/l	
106-43-4	p-Chlorotoluene	ND	50	25	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	250	130	ug/l	
75-15-0	Carbon disulfide	ND	100	50	ug/l	
56-23-5	Carbon tetrachloride	ND	50	25	ug/l	
75-34-3	1,1-Dichloroethane	ND	50	25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	50	25	ug/l	
563-58-6	1,1-Dichloropropene	ND	50	25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	100	50	ug/l	
106-93-4	1,2-Dibromoethane	1100	50	25	ug/l	
107-06-2	1,2-Dichloroethane	93.0	50	25	ug/l	
78-87-5	1,2-Dichloropropane	ND	50	25	ug/l	
142-28-9	1,3-Dichloropropane	ND	50	25	ug/l	
594-20-7	2,2-Dichloropropane	ND	50	25	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW60		
Lab Sample ID:	F49469-11	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	50	20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	50	25	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	50	25	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	50	15	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	500	250	ug/l	
541-73-1	m-Dichlorobenzene	ND	50	25	ug/l	
95-50-1	o-Dichlorobenzene	ND	50	25	ug/l	
106-46-7	p-Dichlorobenzene	ND	50	25	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	50	25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	50	15	ug/l	
100-41-4	Ethylbenzene	1710	50	25	ug/l	
97-63-2	Ethyl methacrylate	ND	250	100	ug/l	
76-13-1	Freon 113	ND	50	25	ug/l	
591-78-6	2-Hexanone	ND	250	130	ug/l	
87-68-3	Hexachlorobutadiene	ND	100	25	ug/l	
110-54-3	Hexane	ND	100	50	ug/l	
98-82-8	Isopropylbenzene	515	50	25	ug/l	
99-87-6	p-Isopropyltoluene	ND	50	25	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	250	130	ug/l	
126-98-7	Methacrylonitrile	ND	1000	500	ug/l	
74-83-9	Methyl bromide	ND	100	50	ug/l	
74-87-3	Methyl chloride	ND	100	50	ug/l	
74-88-4	Methyl iodide	ND	250	130	ug/l	
80-62-6	Methyl methacrylate	ND	250	130	ug/l	
74-95-3	Methylene bromide	ND	100	25	ug/l	
75-09-2	Methylene chloride	50.8	250	50	ug/l	JB
78-93-3	Methyl ethyl ketone	ND	250	130	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	50	25	ug/l	
91-20-3	Naphthalene	96.6	100	50	ug/l	J
76-01-7	Pentachloroethane	ND	500	250	ug/l	
107-12-0	Propionitrile	ND	1000	500	ug/l	
103-65-1	n-Propylbenzene	76.7	50	25	ug/l	
100-42-5	Styrene	ND	50	25	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	50	25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	25	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	50	25	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	50	25	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	100	50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	50	25	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW60		
Lab Sample ID:	F49469-11	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	804	100	50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	293	100	50	ug/l	
127-18-4	Tetrachloroethylene	ND	50	25	ug/l	
108-88-3	Toluene	19700 [b]	250	130	ug/l	
79-01-6	Trichloroethylene	ND	50	25	ug/l	
75-69-4	Trichlorofluoromethane	ND	100	25	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	500	250	ug/l	
75-01-4	Vinyl chloride	ND	50	25	ug/l	
108-05-4	Vinyl Acetate	ND	500	250	ug/l	
	m,p-Xylene	6430	100	25	ug/l	
95-47-6	o-Xylene	3030	50	25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%	98%	87-116%
17060-07-0	1,2-Dichloroethane-D4	103%	82%	76-127%
2037-26-5	Toluene-D8	100%	92%	86-112%
460-00-4	4-Bromofluorobenzene	98%	95%	84-120%

(a) Sample re-analyzed beyond hold time; reported results are considered minimum values.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW60		
Lab Sample ID:	F49469-11	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	U002238.D	5	05/24/07	NJ	05/16/07	OP20601	SU112
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	120	48	ug/l	
95-57-8	2-Chlorophenol	ND	24	9.6	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	24	9.6	ug/l	
120-83-2	2,4-Dichlorophenol	ND	24	9.6	ug/l	
105-67-9	2,4-Dimethylphenol	22.7	24	9.6	ug/l	J
51-28-5	2,4-Dinitrophenol	ND	120	48	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	48	24	ug/l	
95-48-7	2-Methylphenol	30.0	24	9.6	ug/l	
	3&4-Methylphenol	27.6	24	9.6	ug/l	
88-75-5	2-Nitrophenol	ND	24	9.6	ug/l	
100-02-7	4-Nitrophenol	ND	120	48	ug/l	
87-86-5	Pentachlorophenol	ND	120	48	ug/l	
108-95-2	Phenol	13.2	24	9.6	ug/l	J
95-95-4	2,4,5-Trichlorophenol	ND	24	9.6	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	24	9.6	ug/l	
83-32-9	Acenaphthene	ND	24	4.8	ug/l	
208-96-8	Acenaphthylene	ND	24	4.8	ug/l	
120-12-7	Anthracene	ND	24	4.8	ug/l	
92-87-5	Benzidine	ND	120	72	ug/l	
56-55-3	Benzo(a)anthracene	ND	24	4.8	ug/l	
50-32-8	Benzo(a)pyrene	ND	24	4.8	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	24	4.8	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	24	9.6	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	24	4.8	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	24	4.8	ug/l	
85-68-7	Butyl benzyl phthalate	ND	24	9.6	ug/l	
100-51-6	Benzyl Alcohol	ND	24	4.8	ug/l	
91-58-7	2-Chloronaphthalene	ND	24	4.8	ug/l	
106-47-8	4-Chloroaniline	ND	48	19	ug/l	
218-01-9	Chrysene	ND	24	4.8	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	24	4.8	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	24	9.6	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW60		
Lab Sample ID:	F49469-11	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	24	4.8	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	24	4.8	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	24	4.8	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	24	4.8	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	24	4.8	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	24	9.6	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	24	9.6	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	48	24	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	24	9.6	ug/l	
132-64-9	Dibenzofuran	ND	24	4.8	ug/l	
84-74-2	Di-n-butyl phthalate	ND	24	9.6	ug/l	
117-84-0	Di-n-octyl phthalate	ND	24	12	ug/l	
84-66-2	Diethyl phthalate	ND	24	9.6	ug/l	
131-11-3	Dimethyl phthalate	ND	24	9.6	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	24	12	ug/l	
206-44-0	Fluoranthene	ND	24	4.8	ug/l	
86-73-7	Fluorene	ND	24	4.8	ug/l	
118-74-1	Hexachlorobenzene	ND	24	4.8	ug/l	
87-68-3	Hexachlorobutadiene	ND	24	9.6	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	24	9.6	ug/l	
67-72-1	Hexachloroethane	ND	24	9.6	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	24	9.6	ug/l	
78-59-1	Isophorone	ND	24	4.8	ug/l	
91-57-6	2-Methylnaphthalene	ND	24	4.8	ug/l	
88-74-4	2-Nitroaniline	ND	48	19	ug/l	
99-09-2	3-Nitroaniline	ND	48	19	ug/l	
100-01-6	4-Nitroaniline	ND	48	19	ug/l	
91-20-3	Naphthalene	ND	24	4.8	ug/l	
98-95-3	Nitrobenzene	ND	24	4.8	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	24	9.6	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	24	9.6	ug/l	
85-01-8	Phenanthrene	ND	24	4.8	ug/l	
129-00-0	Pyrene	ND	24	4.8	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	24	4.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	20%		14-62%
4165-62-2	Phenol-d5	26%		10-40%
118-79-6	2,4,6-Tribromophenol	74%		33-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW60		
Lab Sample ID:	F49469-11	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	64%		42-108%
321-60-8	2-Fluorobiphenyl	67%		40-106%
1718-51-0	Terphenyl-d14	44%		39-121%

(a) Dilution required due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW60		
Lab Sample ID:	F49469-11	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD077271.D	5000	05/22/07	MM	n/a	n/a	GCD3203
Run #2 [a]	CD077259.D	20	05/22/07	MM	n/a	n/a	GCD3203

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	870	500	250	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	388% [b]	610% [b]	57-129%
98-08-8	aaa-Trifluorotoluene	95%	111%	58-120%

(a) Confirmation run.
(b) Outside control limits due to matrix interference. Confirmed by reanalysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW60		
Lab Sample ID:	F49469-11	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02413.D	20	05/17/07	MG	05/16/07	OP20593	GYY93
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	6.51	4.8	1.9	mg/l	
	TPH (> C22-C36)	ND	4.8	1.9	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% [a]		42-114%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SS61-TMW60
Lab Sample ID: F49469-11
Matrix: AQ - Ground Water
Project: HOLMN

Date Sampled: 05/09/07
Date Received: 05/12/07
Percent Solids: n/a

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	7.2 J	10	2.8	ug/l	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3010A [4]
Barium	15.3 J	200	5.0	ug/l	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3010A [4]
Cadmium	1.0 U	5.0	1.0	ug/l	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3010A [4]
Chromium	9.3 J	10	0.60	ug/l	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3010A [4]
Lead [a]	20.2	10	3.4	ug/l	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3010A [4]
Mercury	0.10 U	1.0	0.10	ug/l	1	05/18/07	05/18/07	MS	SW846 7470A [1]	SW846 7470A [3]
Selenium	2.8 U	10	2.8	ug/l	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3010A [4]
Silver	0.90 U	10	0.90	ug/l	1	05/18/07	05/19/07	RS	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA5723
(2) Instrument QC Batch: MA5725
(3) Prep QC Batch: MP12017
(4) Prep QC Batch: MP12024

(a) Elevated RL/MDL due to CRIA exceeding acceptance criteria.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-TMW60		
Lab Sample ID:	F49469-11	**Date Sampled:**	05/09/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
		Percent Solids:	n/a
Project:	HOLMN		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	15900	100	10	mg/l	1	05/15/07 11:35	LE	EPA 160.1

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

bhate
ENGINEERING, SCIENCE AND CONSTRUCTION

Page: 1 of 1
Project No: 9050361.01.02
COC Number(1): 05-10-1007-01
LIMS Number:

F49469

Chain of Custody and Analytical Request

Facility/Base I.D.: Holloman Air Force Base
Project/Site Name: SS-61 Voluntary Corrective Measures
Client Name: USACE
Collected by: J. Moore/C. McGriff/R. Currance/B. Wolfe

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (od-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code (3)	Sample Number (4)	Sample Matrix (4)	Number of containers	VOC, 8260B	SVOC, 8270C	RCRA + Metals, 6010B/7470A	DRO/ORO, 8015M	GRO, 8015M	TDS			Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
									Sample Analysis Requested (5)									Quality Assurance Samples (6)			
1	SS61- MW05		09-May-07	1750	—	N	—	WG	12	1	1	1	1	1	1						1
2	SS61- MW05A		09-May-2007	1730	—	FD	—	WG	12	1	1	1	1	1	1						2
1	SS61- MW05		09-May-07	1730	—	MS	—	WG	12	1	1	1	1	1	1						3
	SS61- MW05		09-May-07	1730	—	SD	—	WG	12	1	1	1	1	1	1						4
3	SS61- TMW61		10 May 2007	1120	—	N	—	WG	12	1	1	1	1	1	1						5
4	SS61- TMW59		10 May 2007	0945	—	N	—	WG	12	1	1	1	1	1	1						6
11	SS61- MW60		10 May 2007	1120	—	N	—	WG	12	1	1	1	1	1	1						7
5	SS61- MW59		10 May 2007	0925	—	N	—	WG	12	1	1	1	1	1	1						8
6	SS61- TRIP BLANK		10 May 2007	—	—	TB	—	WQ	12	1	—	—	—	—							
	SS61-				-				12												
	SS61-				-				12												

COMMENTS: All metals sample volumes have been filtered in the field using a 0.45 micron filter.

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1.	[illegible]	5-10-07	1369	relayed to FedEx		
2.	FED EX	05-11-07	09:00	[illegible]		
3.						

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab:		Shipped No.:	
Method of Shipment:	FedEx	Airbill Number:	
Analytical Lab:	Accutest	Delivery Location:	Orlando, FL
Lab Recipient:		Delivery Date/Time:	

1.4, 2.2, 2.4, 2.8, 3.0, 3.4, 3.6

1) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)
2) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)
3) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)
4) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, [illegible] = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks
5) Sample Analysis Requested: Analytical method requested and number of containers provided for each
6) Quality Assurance Samples are assigned by date (ddmmyy) and the sample number associated with the [illegible] (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 101099-01 on the Equipment Blank Lot Control

F49469: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F 49469 CLIENT: BHATE PROJECT: SS-61 VOLUNTARY CORR. MEA.

DATE/TIME RECEIVED: 05-11-07 09:00 # OF COOLERS RECEIVED: 7 COOLER TEMPS: 1.4, 2.2, 2.4, 2.8, 3.0, 3.4, 3.6

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8610 5421 4679

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [X] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? Ø

NUMBER OF 5035 FIELD KITS ? Ø

NUMBER OR LAB FILTERED METALS ? Ø

SUMMARY OF COMMENTS: SAMPLES #6 — #10 ARE TRIP BLANKS

DID NOT RECEIVED SAMPLE WITH FIELD ID TMW 60 @11:20

TECHNICIAN SIGNATURE/DATE W. Vin 5-11-07 TECHNICIAN SIGNATURE/DATE

ASBD 10/03/06

4.1 4

F49469: Chain of Custody
Page 2 of 3

Job Change Order: F49469_5/15/2007

Requested Date:	5/15/2007	**Received Date:**	5/11/2007
Account Name:	Bhate Environmental Associates,	**Due Date:**	5/25/2007
Project Description:	HOLMN	**Deliverable:**	COMMBN
CSR:	JDS	**TAT (Days):**	14

Sample #:
F49469-11

Change: Please add sample SS61-TMW60, client will not recollect. Sample originally thought to be lost. FedEx delivered on 5/12/07 within temp. Analyze as received per client's request. Thank you.

Above Changes Client, Jim Moore, per telephone **Date:** 5/15/2007

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

Page 1 of 1

F49469: Chain of Custody
Page 3 of 3

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2127-MB	J029822.D	1	05/21/07	SH	n/a	n/a	VJ2127

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49469-3, F49469-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
75-05-8	Acetonitrile	ND	20	10	ug/l	
107-02-8	Acrolein	ND	20	10	ug/l	
107-13-1	Acrylonitrile	ND	10	5.0	ug/l	
107-05-1	Allyl chloride	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
100-44-7	Benzyl Chloride	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	1.0	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	

Method Blank Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2127-MB	J029822.D	1	05/21/07	SH	n/a	n/a	VJ2127

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49469-3, F49469-4

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	2.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
110-54-3	Hexane	ND	2.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
126-98-7	Methacrylonitrile	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
74-88-4	Methyl iodide	ND	5.0	2.5	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	2.5	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	5.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.53	1.0	0.50	ug/l	J
96-18-4	1,2,3-Trichloropropane	ND	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

Method Blank Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2127-MB	J029822.D	1	05/21/07	SH	n/a	n/a	VJ2127

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49469-3, F49469-4

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	10	5.0	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	103%	76-127%
2037-26-5	Toluene-D8	96%	86-112%
460-00-4	4-Bromofluorobenzene	109%	84-120%

Method Blank Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2130-MB	J029860.D	1	05/22/07	SH	n/a	n/a	VJ2130

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49469-1, F49469-2, F49469-5, F49469-6

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
75-05-8	Acetonitrile	ND	20	10	ug/l	
107-02-8	Acrolein	ND	20	10	ug/l	
107-13-1	Acrylonitrile	ND	10	5.0	ug/l	
107-05-1	Allyl chloride	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
100-44-7	Benzyl Chloride	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	1.0	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	

Method Blank Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2130-MB	J029860.D	1	05/22/07	SH	n/a	n/a	VJ2130

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49469-1, F49469-2, F49469-5, F49469-6

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	2.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
110-54-3	Hexane	ND	2.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
126-98-7	Methacrylonitrile	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
74-88-4	Methyl iodide	ND	5.0	2.5	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	2.5	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	5.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.74	1.0	0.50	ug/l	J
96-18-4	1,2,3-Trichloropropane	ND	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

Method Blank Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2130-MB	J029860.D	1	05/22/07	SH	n/a	n/a	VJ2130

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49469-1, F49469-2, F49469-5, F49469-6

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	10	5.0	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	110%	87-116%
17060-07-0	1,2-Dichloroethane-D4	106%	76-127%
2037-26-5	Toluene-D8	99%	86-112%
460-00-4	4-Bromofluorobenzene	106%	84-120%

Method Blank Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2131-MB	J029891.D	1	05/23/07	SH	n/a	n/a	VJ2131

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49469-11

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
75-05-8	Acetonitrile	ND	20	10	ug/l	
107-02-8	Acrolein	ND	20	10	ug/l	
107-13-1	Acrylonitrile	ND	10	5.0	ug/l	
107-05-1	Allyl chloride	ND	10	5.0	ug/l	
100-44-7	Benzyl Chloride	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	1.0	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	

Method Blank Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2131-MB	J029891.D	1	05/23/07	SH	n/a	n/a	VJ2131

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49469-11

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	2.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
110-54-3	Hexane	ND	2.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
126-98-7	Methacrylonitrile	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
74-88-4	Methyl iodide	ND	5.0	2.5	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	2.5	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	5.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.70	1.0	0.50	ug/l	J
96-18-4	1,2,3-Trichloropropane	ND	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	

Method Blank Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2131-MB	J029891.D	1	05/23/07	SH	n/a	n/a	VJ2131

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49469-11

CAS No.	Compound	Result	RL	MDL	Units	Q
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	10	5.0	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	112%	87-116%
17060-07-0	1,2-Dichloroethane-D4	107%	76-127%
2037-26-5	Toluene-D8	97%	86-112%
460-00-4	4-Bromofluorobenzene	103%	84-120%

Method Blank Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN812-MB	N0019154.D	1	05/24/07	JG	n/a	n/a	VN812

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49469-11

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	91%	76-127%
2037-26-5	Toluene-D8	91%	86-112%
460-00-4	4-Bromofluorobenzene	94%	84-120%

Blank Spike Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2127-BS	J029821.D	1	05/21/07	SH	n/a	n/a	VJ2127

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49469-3, F49469-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	120	96	59-134
75-05-8	Acetonitrile	250	264	106	57-123
107-02-8	Acrolein	125	194	155	33-157
107-13-1	Acrylonitrile	125	129	103	62-124
107-05-1	Allyl chloride	25	26.7	107	48-136
71-43-2	Benzene	25	28.0	112	83-124
100-44-7	Benzyl Chloride	25	23.9	96	61-118
108-86-1	Bromobenzene	25	24.4	98	83-115
74-97-5	Bromochloromethane	25	23.8	95	78-112
75-27-4	Bromodichloromethane	25	26.3	105	76-116
75-25-2	Bromoform	25	22.7	91	68-128
104-51-8	n-Butylbenzene	25	27.7	111	84-124
135-98-8	sec-Butylbenzene	25	27.4	110	86-127
98-06-6	tert-Butylbenzene	25	27.4	110	83-126
108-90-7	Chlorobenzene	25	25.3	101	87-115
75-00-3	Chloroethane	25	35.6	142	54-166
67-66-3	Chloroform	25	28.4	114	85-123
544-10-5	1-Chlorohexane	25	29.2	117	87-128
95-49-8	o-Chlorotoluene	25	26.8	107	84-121
106-43-4	p-Chlorotoluene	25	26.9	108	84-120
110-75-8	2-Chloroethyl vinyl ether	125	106	85	63-125
75-15-0	Carbon disulfide	25	28.1	112	67-147
56-23-5	Carbon tetrachloride	25	27.9	112	74-139
75-34-3	1,1-Dichloroethane	25	28.3	113	82-127
75-35-4	1,1-Dichloroethylene	25	29.9	120	75-133
563-58-6	1,1-Dichloropropene	25	29.7	119	87-127
96-12-8	1,2-Dibromo-3-chloropropane	25	21.3	85	61-118
106-93-4	1,2-Dibromoethane	25	24.1	96	80-115
107-06-2	1,2-Dichloroethane	25	25.4	102	76-122
78-87-5	1,2-Dichloropropane	25	27.3	109	81-120
142-28-9	1,3-Dichloropropane	25	24.8	99	81-113
594-20-7	2,2-Dichloropropane	25	29.1	116	77-138
124-48-1	Dibromochloromethane	25	23.6	94	74-116
75-71-8	Dichlorodifluoromethane	25	43.2	173*	34-158
156-59-2	cis-1,2-Dichloroethylene	25	26.1	104	81-114
10061-01-5	cis-1,3-Dichloropropene	25	27.5	110	83-119

Blank Spike Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2127-BS	J029821.D	1	05/21/07	SH	n/a	n/a	VJ2127

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49469-3, F49469-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	25	24.2	97	41-130
541-73-1	m-Dichlorobenzene	25	24.7	99	86-115
95-50-1	o-Dichlorobenzene	25	24.4	98	85-115
106-46-7	p-Dichlorobenzene	25	24.4	98	87-113
156-60-5	trans-1,2-Dichloroethylene	25	27.6	110	82-126
10061-02-6	trans-1,3-Dichloropropene	25	27.7	111	87-123
100-41-4	Ethylbenzene	25	25.6	102	87-118
97-63-2	Ethyl methacrylate	25	24.1	96	68-110
76-13-1	Freon 113	25	29.7	119	74-139
591-78-6	2-Hexanone	125	119	95	58-125
87-68-3	Hexachlorobutadiene	25	23.1	92	71-133
110-54-3	Hexane	25	27.6	110	71-134
98-82-8	Isopropylbenzene	25	27.0	108	87-131
99-87-6	p-Isopropyltoluene	25	26.2	105	83-125
108-10-1	4-Methyl-2-pentanone	125	119	95	62-125
126-98-7	Methacrylonitrile	250	255	102	62-133
74-83-9	Methyl bromide	25	29.4	118	55-151
74-87-3	Methyl chloride	25	32.0	128	55-173
74-88-4	Methyl iodide	25	26.3	105	72-125
80-62-6	Methyl methacrylate	25	22.4	90	63-115
74-95-3	Methylene bromide	25	26.1	104	81-116
75-09-2	Methylene chloride	25	26.8	107	69-125
78-93-3	Methyl ethyl ketone	125	115	92	61-127
1634-04-4	Methyl Tert Butyl Ether	25	23.6	94	75-116
91-20-3	Naphthalene	25	19.9	80	59-125
76-01-7	Pentachloroethane	25	23.2	93	82-111
107-12-0	Propionitrile	250	252	101	69-119
103-65-1	n-Propylbenzene	25	27.7	111	86-125
100-42-5	Styrene	25	24.4	98	78-118
630-20-6	1,1,1,2-Tetrachloroethane	25	24.5	98	81-119
71-55-6	1,1,1-Trichloroethane	25	28.6	114	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	25.5	102	71-120
79-00-5	1,1,2-Trichloroethane	25	25.2	101	80-114
87-61-6	1,2,3-Trichlorobenzene	25	20.0	80	64-126
96-18-4	1,2,3-Trichloropropane	25	22.6	90	77-115
120-82-1	1,2,4-Trichlorobenzene	25	21.7	87	68-123

Blank Spike Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2127-BS	J029821.D	1	05/21/07	SH	n/a	n/a	VJ2127

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49469-3, F49469-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	25	25.7	103	82-120
108-67-8	1,3,5-Trimethylbenzene	25	26.2	105	83-123
127-18-4	Tetrachloroethylene	25	24.8	99	80-131
108-88-3	Toluene	25	25.7	103	86-116
79-01-6	Trichloroethylene	25	27.5	110	85-124
75-69-4	Trichlorofluoromethane	25	38.9	156	66-156
110-57-6	Trans-1,4-Dichloro-2-Butene	25	25.2	101	51-137
75-01-4	Vinyl chloride	25	32.7	131	57-153
108-05-4	Vinyl Acetate	125	133	106	38-159
	m,p-Xylene	50	52.3	105	86-121
95-47-6	o-Xylene	25	26.2	105	83-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	100%	76-127%
2037-26-5	Toluene-D8	97%	86-112%
460-00-4	4-Bromofluorobenzene	105%	84-120%

Blank Spike Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2130-BS	J029859.D	1	05/22/07	SH	n/a	n/a	VJ2130

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49469-1, F49469-2, F49469-5, F49469-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	101	81	59-134
75-05-8	Acetonitrile	250	218	87	57-123
107-02-8	Acrolein	125	179	143	33-157
107-13-1	Acrylonitrile	125	132	106	62-124
107-05-1	Allyl chloride	25	23.1	92	48-136
71-43-2	Benzene	25	26.3	105	83-124
100-44-7	Benzyl Chloride	25	25.5	102	61-118
108-86-1	Bromobenzene	25	26.7	107	83-115
74-97-5	Bromochloromethane	25	27.1	108	78-112
75-27-4	Bromodichloromethane	25	27.7	111	76-116
75-25-2	Bromoform	25	28.4	114	68-128
104-51-8	n-Butylbenzene	25	27.5	110	84-124
135-98-8	sec-Butylbenzene	25	28.2	113	86-127
98-06-6	tert-Butylbenzene	25	28.4	114	83-126
108-90-7	Chlorobenzene	25	26.4	106	87-115
75-00-3	Chloroethane	25	23.4	94	54-166
67-66-3	Chloroform	25	29.3	117	85-123
544-10-5	1-Chlorohexane	25	28.1	112	87-128
95-49-8	o-Chlorotoluene	25	28.9	116	84-121
106-43-4	p-Chlorotoluene	25	30.1	120	84-120
110-75-8	2-Chloroethyl vinyl ether	125	106	85	63-125
75-15-0	Carbon disulfide	25	26.6	106	67-147
56-23-5	Carbon tetrachloride	25	29.4	118	74-139
75-34-3	1,1-Dichloroethane	25	26.5	106	82-127
75-35-4	1,1-Dichloroethylene	25	23.1	92	75-133
563-58-6	1,1-Dichloropropene	25	31.1	124	87-127
96-12-8	1,2-Dibromo-3-chloropropane	25	24.3	97	61-118
106-93-4	1,2-Dibromoethane	25	25.2	101	80-115
107-06-2	1,2-Dichloroethane	25	27.1	108	76-122
78-87-5	1,2-Dichloropropane	25	25.7	103	81-120
142-28-9	1,3-Dichloropropane	25	27.4	110	81-113
594-20-7	2,2-Dichloropropane	25	29.3	117	77-138
124-48-1	Dibromochloromethane	25	24.5	98	74-116
75-71-8	Dichlorodifluoromethane	25	40.4	162*	34-158
156-59-2	cis-1,2-Dichloroethylene	25	27.6	110	81-114
10061-01-5	cis-1,3-Dichloropropene	25	28.7	115	83-119

Blank Spike Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2130-BS	J029859.D	1	05/22/07	SH	n/a	n/a	VJ2130

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49469-1, F49469-2, F49469-5, F49469-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	25	23.8	95	41-130
541-73-1	m-Dichlorobenzene	25	27.5	110	86-115
95-50-1	o-Dichlorobenzene	25	27.8	111	85-115
106-46-7	p-Dichlorobenzene	25	26.5	106	87-113
156-60-5	trans-1,2-Dichloroethylene	25	26.6	106	82-126
10061-02-6	trans-1,3-Dichloropropene	25	30.3	121	87-123
100-41-4	Ethylbenzene	25	26.8	107	87-118
97-63-2	Ethyl methacrylate	25	25.0	100	68-110
76-13-1	Freon 113	25	26.7	107	74-139
591-78-6	2-Hexanone	125	118	94	58-125
87-68-3	Hexachlorobutadiene	25	29.6	118	71-133
110-54-3	Hexane	25	25.6	102	71-134
98-82-8	Isopropylbenzene	25	27.4	110	87-131
99-87-6	p-Isopropyltoluene	25	27.0	108	83-125
108-10-1	4-Methyl-2-pentanone	125	117	94	62-125
126-98-7	Methacrylonitrile	250	224	90	62-133
74-83-9	Methyl bromide	25	26.9	108	55-151
74-87-3	Methyl chloride	25	26.7	107	55-173
74-88-4	Methyl iodide	25	23.0	92	72-125
80-62-6	Methyl methacrylate	25	22.5	90	63-115
74-95-3	Methylene bromide	25	28.2	113	81-116
75-09-2	Methylene chloride	25	24.3	97	69-125
78-93-3	Methyl ethyl ketone	125	116	93	61-127
1634-04-4	Methyl Tert Butyl Ether	25	28.4	114	75-116
91-20-3	Naphthalene	25	25.3	101	59-125
76-01-7	Pentachloroethane	25	26.4	106	82-111
107-12-0	Propionitrile	250	237	95	69-119
103-65-1	n-Propylbenzene	25	28.3	113	86-125
100-42-5	Styrene	25	24.9	100	78-118
630-20-6	1,1,1,2-Tetrachloroethane	25	29.1	116	81-119
71-55-6	1,1,1-Trichloroethane	25	29.5	118	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	25.5	102	71-120
79-00-5	1,1,2-Trichloroethane	25	26.8	107	80-114
87-61-6	1,2,3-Trichlorobenzene	25	25.0	100	64-126
96-18-4	1,2,3-Trichloropropane	25	28.0	112	77-115
120-82-1	1,2,4-Trichlorobenzene	25	24.6	98	68-123

Blank Spike Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2130-BS	J029859.D	1	05/22/07	SH	n/a	n/a	VJ2130

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49469-1, F49469-2, F49469-5, F49469-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	25	26.7	107	82-120
108-67-8	1,3,5-Trimethylbenzene	25	29.3	117	83-123
127-18-4	Tetrachloroethylene	25	30.3	121	80-131
108-88-3	Toluene	25	27.3	109	86-116
79-01-6	Trichloroethylene	25	28.0	112	85-124
75-69-4	Trichlorofluoromethane	25	26.1	104	66-156
110-57-6	Trans-1,4-Dichloro-2-Butene	25	26.0	104	51-137
75-01-4	Vinyl chloride	25	29.0	116	57-153
108-05-4	Vinyl Acetate	125	168	134	38-159
	m,p-Xylene	50	58.3	117	86-121
95-47-6	o-Xylene	25	26.6	106	83-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	107%	87-116%
17060-07-0	1,2-Dichloroethane-D4	105%	76-127%
2037-26-5	Toluene-D8	100%	86-112%
460-00-4	4-Bromofluorobenzene	103%	84-120%

Blank Spike Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2131-BS	J029890.D	1	05/23/07	SH	n/a	n/a	VJ2131

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49469-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	96.8	77	59-134
75-05-8	Acetonitrile	250	219	88	57-123
107-02-8	Acrolein	125	185	148	33-157
107-13-1	Acrylonitrile	125	122	98	62-124
107-05-1	Allyl chloride	25	24.1	96	48-136
100-44-7	Benzyl Chloride	25	24.0	96	61-118
108-86-1	Bromobenzene	25	26.4	106	83-115
74-97-5	Bromochloromethane	25	28.2	113*	78-112
75-27-4	Bromodichloromethane	25	28.6	114	76-116
75-25-2	Bromoform	25	28.9	116	68-128
104-51-8	n-Butylbenzene	25	26.3	105	84-124
135-98-8	sec-Butylbenzene	25	27.5	110	86-127
98-06-6	tert-Butylbenzene	25	27.6	110	83-126
108-90-7	Chlorobenzene	25	26.3	105	87-115
75-00-3	Chloroethane	25	24.6	98	54-166
67-66-3	Chloroform	25	30.4	122	85-123
544-10-5	1-Chlorohexane	25	28.4	114	87-128
95-49-8	o-Chlorotoluene	25	27.9	112	84-121
106-43-4	p-Chlorotoluene	25	29.0	116	84-120
110-75-8	2-Chloroethyl vinyl ether	125	107	86	63-125
75-15-0	Carbon disulfide	25	27.7	111	67-147
56-23-5	Carbon tetrachloride	25	30.4	122	74-139
75-34-3	1,1-Dichloroethane	25	27.6	110	82-127
75-35-4	1,1-Dichloroethylene	25	23.9	96	75-133
563-58-6	1,1-Dichloropropene	25	32.3	129*	87-127
96-12-8	1,2-Dibromo-3-chloropropane	25	22.3	89	61-118
106-93-4	1,2-Dibromoethane	25	24.7	99	80-115
107-06-2	1,2-Dichloroethane	25	28.6	114	76-122
78-87-5	1,2-Dichloropropane	25	26.6	106	81-120
142-28-9	1,3-Dichloropropane	25	27.1	108	81-113
594-20-7	2,2-Dichloropropane	25	30.6	122	77-138
124-48-1	Dibromochloromethane	25	24.4	98	74-116
75-71-8	Dichlorodifluoromethane	25	39.3	157	34-158
156-59-2	cis-1,2-Dichloroethylene	25	28.6	114	81-114
10061-01-5	cis-1,3-Dichloropropene	25	29.0	116	83-119
1476-11-5	cis-1,4-Dichloro-2-Butene	25	22.9	92	41-130

Blank Spike Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2131-BS	J029890.D	1	05/23/07	SH	n/a	n/a	VJ2131

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49469-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
541-73-1	m-Dichlorobenzene	25	27.1	108	86-115
95-50-1	o-Dichlorobenzene	25	27.0	108	85-115
106-46-7	p-Dichlorobenzene	25	26.1	104	87-113
156-60-5	trans-1,2-Dichloroethylene	25	27.6	110	82-126
10061-02-6	trans-1,3-Dichloropropene	25	30.5	122	87-123
100-41-4	Ethylbenzene	25	26.4	106	87-118
97-63-2	Ethyl methacrylate	25	24.1	96	68-110
76-13-1	Freon 113	25	27.9	112	74-139
591-78-6	2-Hexanone	125	109	87	58-125
87-68-3	Hexachlorobutadiene	25	29.6	118	71-133
110-54-3	Hexane	25	26.8	107	71-134
98-82-8	Isopropylbenzene	25	27.7	111	87-131
99-87-6	p-Isopropyltoluene	25	26.7	107	83-125
108-10-1	4-Methyl-2-pentanone	125	115	92	62-125
126-98-7	Methacrylonitrile	250	223	89	62-133
74-83-9	Methyl bromide	25	26.8	107	55-151
74-87-3	Methyl chloride	25	26.1	104	55-173
74-88-4	Methyl iodide	25	24.0	96	72-125
80-62-6	Methyl methacrylate	25	22.1	88	63-115
74-95-3	Methylene bromide	25	28.6	114	81-116
75-09-2	Methylene chloride	25	24.9	100	69-125
78-93-3	Methyl ethyl ketone	125	108	86	61-127
1634-04-4	Methyl Tert Butyl Ether	25	29.2	117*	75-116
91-20-3	Naphthalene	25	24.1	96	59-125
76-01-7	Pentachloroethane	25	26.6	106	82-111
107-12-0	Propionitrile	250	236	94	69-119
103-65-1	n-Propylbenzene	25	27.2	109	86-125
100-42-5	Styrene	25	25.0	100	78-118
630-20-6	1,1,1,2-Tetrachloroethane	25	29.1	116	81-119
71-55-6	1,1,1-Trichloroethane	25	30.8	123	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	24.0	96	71-120
79-00-5	1,1,2-Trichloroethane	25	26.0	104	80-114
87-61-6	1,2,3-Trichlorobenzene	25	24.4	98	64-126
96-18-4	1,2,3-Trichloropropane	25	26.5	106	77-115
120-82-1	1,2,4-Trichlorobenzene	25	24.4	98	68-123
95-63-6	1,2,4-Trimethylbenzene	25	25.9	104	82-120

Blank Spike Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2131-BS	J029890.D	1	05/23/07	SH	n/a	n/a	VJ2131

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49469-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
108-67-8	1,3,5-Trimethylbenzene	25	28.3	113	83-123
127-18-4	Tetrachloroethylene	25	31.4	126	80-131
79-01-6	Trichloroethylene	25	28.2	113	85-124
75-69-4	Trichlorofluoromethane	25	27.1	108	66-156
110-57-6	Trans-1,4-Dichloro-2-Butene	25	25.1	100	51-137
75-01-4	Vinyl chloride	25	29.2	117	57-153
108-05-4	Vinyl Acetate	125	169	135	38-159
	m,p-Xylene	50	58.0	116	86-121
95-47-6	o-Xylene	25	26.4	106	83-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	109%	87-116%
17060-07-0	1,2-Dichloroethane-D4	106%	76-127%
2037-26-5	Toluene-D8	99%	86-112%
460-00-4	4-Bromofluorobenzene	99%	84-120%

Blank Spike Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN812-BS	N0019145.D	1	05/24/07	JG	n/a	n/a	VN812

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49469-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	27.2	109	83-124
108-88-3	Toluene	25	26.7	107	86-116

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	100%	76-127%
2037-26-5	Toluene-D8	96%	86-112%
460-00-4	4-Bromofluorobenzene	100%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49469-1MS	J029827.D	1	05/21/07	SH	n/a	n/a	VJ2127
F49469-1MSD	J029828.D	1	05/21/07	SH	n/a	n/a	VJ2127
F49469-1 [a]	J029826.D	1	05/21/07	SH	n/a	n/a	VJ2127

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49469-3, F49469-4

CAS No.	Compound	F49469-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	90.2	72	90.3	72	0	59-134/14
75-05-8	Acetonitrile	ND		250	278	111	274	110	1	57-123/15
107-02-8	Acrolein	ND		125	194	155	191	153	2	33-157/21
107-13-1	Acrylonitrile	ND		125	132	106	131	105	1	62-124/13
107-05-1	Allyl chloride	ND		25	25.6	102	25.2	101	2	48-136/13
71-43-2	Benzene	ND		25	28.1	112	28.0	112	0	83-124/11
100-44-7	Benzyl Chloride	ND		25	23.8	95	24.1	96	1	61-118/12
108-86-1	Bromobenzene	ND		25	24.1	96	24.1	96	0	83-115/10
74-97-5	Bromochloromethane	ND		25	22.4	90	22.6	90	1	78-112/10
75-27-4	Bromodichloromethane	ND		25	24.7	99	25.5	102	3	76-116/10
75-25-2	Bromoform	ND		25	21.4	86	22.0	88	3	68-128/11
104-51-8	n-Butylbenzene	ND		25	28.0	112	28.2	113	1	84-124/10
135-98-8	sec-Butylbenzene	ND		25	27.0	108	27.5	110	2	86-127/10
98-06-6	tert-Butylbenzene	ND		25	27.2	109	27.6	110	1	83-126/10
108-90-7	Chlorobenzene	ND		25	25.4	102	25.3	101	0	87-115/9
75-00-3	Chloroethane	ND		25	38.2	153	36.9	148	3	54-166/20
67-66-3	Chloroform	ND		25	26.6	106	27.4	110	3	85-123/10
544-10-5	1-Chlorohexane	ND		25	27.2	109	27.9	112	3	87-128/10
95-49-8	o-Chlorotoluene	ND		25	27.1	108	27.2	109	0	84-121/10
106-43-4	p-Chlorotoluene	ND		25	26.1	104	26.6	106	2	84-120/10
110-75-8	2-Chloroethyl vinyl ether	ND		125	ND	0*	ND	0*	nc	63-125/24
75-15-0	Carbon disulfide	ND		25	29.2	117	28.5	114	2	67-147/12
56-23-5	Carbon tetrachloride	ND		25	25.5	102	25.6	102	0	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	27.7	111	27.8	111	0	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	30.9	124	30.5	122	1	75-133/13
563-58-6	1,1-Dichloropropene	ND		25	27.5	110	28.2	113	3	87-127/10
96-12-8	1,2-Dibromo-3-chloropropane	ND		25	21.7	87	21.9	88	1	61-118/15
106-93-4	1,2-Dibromoethane	ND		25	22.3	89	23.0	92	3	80-115/10
107-06-2	1,2-Dichloroethane	ND		25	25.3	101	25.2	101	0	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	27.3	109	27.3	109	0	81-120/11
142-28-9	1,3-Dichloropropane	ND		25	23.6	94	24.6	98	4	81-113/11
594-20-7	2,2-Dichloropropane	ND		25	25.3	101	26.1	104	3	77-138/12
124-48-1	Dibromochloromethane	ND		25	21.1	84	21.9	88	4	74-116/11
75-71-8	Dichlorodifluoromethane	ND		25	36.0	144	38.2	153	6	34-158/22
156-59-2	cis-1,2-Dichloroethylene	ND		25	24.2	97	24.4	98	1	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	26.4	106	26.6	106	1	83-119/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49469-1MS	J029827.D	1	05/21/07	SH	n/a	n/a	VJ2127
F49469-1MSD	J029828.D	1	05/21/07	SH	n/a	n/a	VJ2127
F49469-1 [a]	J029826.D	1	05/21/07	SH	n/a	n/a	VJ2127

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49469-3, F49469-4

CAS No.	Compound	F49469-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		25	20.9	84	21.9	88	5	41-130/33
541-73-1	m-Dichlorobenzene	ND		25	23.8	95	24.1	96	1	86-115/9
95-50-1	o-Dichlorobenzene	ND		25	23.8	95	24.2	97	2	85-115/9
106-46-7	p-Dichlorobenzene	ND		25	24.7	99	24.7	99	0	87-113/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	27.5	110	27.4	110	0	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	26.5	106	27.7	111	4	87-123/10
100-41-4	Ethylbenzene	ND		25	25.9	104	25.9	104	0	87-118/10
97-63-2	Ethyl methacrylate	ND		25	23.9	96	25.1	100	5	68-110/11
76-13-1	Freon 113	ND		25	31.1	124	30.3	121	3	74-139/13
591-78-6	2-Hexanone	ND		125	128	102	129	103	1	58-125/14
87-68-3	Hexachlorobutadiene	ND		25	20.6	82	21.3	85	3	71-133/12
110-54-3	Hexane	ND		25	27.5	110	27.2	109	1	71-134/11
98-82-8	Isopropylbenzene	ND		25	25.4	102	26.2	105	3	87-131/10
99-87-6	p-Isopropyltoluene	ND		25	25.3	101	25.7	103	2	83-125/9
108-10-1	4-Methyl-2-pentanone	ND		125	139	111	140	112	1	62-125/13
126-98-7	Methacrylonitrile	ND		250	281	112	278	111	1	62-133/17
74-83-9	Methyl bromide	ND		25	31.7	127	30.6	122	4	55-151/21
74-87-3	Methyl chloride	ND		25	33.6	134	32.7	131	3	55-173/22
74-88-4	Methyl iodide	ND		25	26.3	105	26.0	104	1	72-125/11
80-62-6	Methyl methacrylate	ND		25	24.4	98	24.7	99	1	63-115/10
74-95-3	Methylene bromide	ND		25	24.9	100	25.6	102	3	81-116/10
75-09-2	Methylene chloride	ND		25	26.7	107	26.0	104	3	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	106	85	107	86	1	61-127/13
1634-04-4	Methyl Tert Butyl Ether	ND		25	22.7	91	23.2	93	2	75-116/10
91-20-3	Naphthalene	ND		25	19.0	76	20.2	81	6	59-125/15
76-01-7	Pentachloroethane	ND		25	21.1	84	21.5	86	2	82-111/8
107-12-0	Propionitrile	ND		250	267	107	267	107	0	69-119/12
103-65-1	n-Propylbenzene	ND		25	28.3	113	28.4	114	0	86-125/10
100-42-5	Styrene	ND		25	23.3	93	23.6	94	1	78-118/11
630-20-6	1,1,1,2-Tetrachloroethane	ND		25	22.4	90	23.3	93	4	81-119/10
71-55-6	1,1,1-Trichloroethane	ND		25	25.6	102	26.3	105	3	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	26.7	107	27.3	109	2	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	25.0	100	25.4	102	2	80-114/11
87-61-6	1,2,3-Trichlorobenzene	ND		25	18.5	74	19.9	80	7	64-126/16
96-18-4	1,2,3-Trichloropropane	ND		25	23.1	92	23.7	95	3	77-115/12
120-82-1	1,2,4-Trichlorobenzene	ND		25	20.1	80	21.3	85	6	68-123/11

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49469-1MS	J029827.D	1	05/21/07	SH	n/a	n/a	VJ2127
F49469-1MSD	J029828.D	1	05/21/07	SH	n/a	n/a	VJ2127
F49469-1 [a]	J029826.D	1	05/21/07	SH	n/a	n/a	VJ2127

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49469-3, F49469-4

CAS No.	Compound	F49469-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		25	25.2	101	25.6	102	2	82-120/10
108-67-8	1,3,5-Trimethylbenzene	ND		25	26.1	104	26.6	106	2	83-123/10
127-18-4	Tetrachloroethylene	ND		25	22.4	90	22.8	91	2	80-131/12
108-88-3	Toluene	ND		25	24.4	98	24.9	100	2	86-116/10
79-01-6	Trichloroethylene	ND		25	26.9	108	27.0	108	0	85-124/10
75-69-4	Trichlorofluoromethane	ND		25	41.4	166*	39.7	159*	4	66-156/15
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		25	23.3	93	24.4	98	5	51-137/24
75-01-4	Vinyl chloride	ND		25	31.4	126	31.9	128	2	57-153/22
108-05-4	Vinyl Acetate	ND		125	140	112	138	110	1	38-159/11
	m,p-Xylene	ND		50	52.3	105	52.6	105	1	86-121/10
95-47-6	o-Xylene	ND		25	24.5	98	25.4	102	4	83-121/10

CAS No.	Surrogate Recoveries	MS	MSD	F49469-1	Limits
1868-53-7	Dibromofluoromethane	97%	99%	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	100%	99%	99%	76-127%
2037-26-5	Toluene-D8	95%	97%	97%	86-112%
460-00-4	4-Bromofluorobenzene	105%	106%	109%	84-120%

(a) Confirmation run.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49400-1MS	J029865.D	1	05/22/07	SH	n/a	n/a	VJ2130
F49400-1MSD	J029868.D	1	05/22/07	SH	n/a	n/a	VJ2130
F49400-1	J029864.D	1	05/22/07	SH	n/a	n/a	VJ2130

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49469-1, F49469-2, F49469-5, F49469-6

CAS No.	Compound	F49400-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	85.3	68	89.2	71	4	59-134/14
75-05-8	Acetonitrile	ND		250	240	96	237	95	1	57-123/15
107-02-8	Acrolein	ND		125	190	152	193	154	2	33-157/21
107-13-1	Acrylonitrile	ND		125	140	112	139	111	1	62-124/13
107-05-1	Allyl chloride	ND		25	23.3	93	22.6	90	3	48-136/13
71-43-2	Benzene	3.5		25	30.3	107	29.1	102	4	83-124/11
100-44-7	Benzyl Chloride	ND		25	25.3	101	23.0	92	10	61-118/12
108-86-1	Bromobenzene	ND		25	26.1	104	25.5	102	2	83-115/10
74-97-5	Bromochloromethane	ND		25	26.0	104	24.5	98	6	78-112/10
75-27-4	Bromodichloromethane	ND		25	26.1	104	25.2	101	4	76-116/10
75-25-2	Bromoform	ND		25	26.7	107	25.7	103	4	68-128/11
104-51-8	n-Butylbenzene	ND		25	27.6	110	25.9	104	6	84-124/10
135-98-8	sec-Butylbenzene	ND		25	27.5	110	26.3	105	4	86-127/10
98-06-6	tert-Butylbenzene	ND		25	27.5	110	26.0	104	6	83-126/10
108-90-7	Chlorobenzene	ND		25	27.0	108	25.7	103	5	87-115/9
75-00-3	Chloroethane	ND		25	24.3	97	22.8	91	6	54-166/20
67-66-3	Chloroform	ND		25	28.2	113	27.0	108	4	85-123/10
544-10-5	1-Chlorohexane	ND		25	26.9	108	24.6	98	9	87-128/10
95-49-8	o-Chlorotoluene	ND		25	28.9	116	28.2	113	2	84-121/10
106-43-4	p-Chlorotoluene	ND		25	29.1	116	27.8	111	5	84-120/10
110-75-8	2-Chloroethyl vinyl ether	ND		125	ND	0*	ND	0*	nc	63-125/24
75-15-0	Carbon disulfide	ND		25	27.5	110	26.0	104	6	67-147/12
56-23-5	Carbon tetrachloride	ND		25	26.5	106	23.7	95	11	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	26.8	107	25.8	103	4	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	24.5	98	23.6	94	4	75-133/13
563-58-6	1,1-Dichloropropene	ND		25	29.4	118	27.4	110	7	87-127/10
96-12-8	1,2-Dibromo-3-chloropropane	ND		25	23.5	94	22.7	91	3	61-118/15
106-93-4	1,2-Dibromoethane	ND		25	23.5	94	22.7	91	3	80-115/10
107-06-2	1,2-Dichloroethane	ND		25	27.2	109	26.5	106	3	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	26.4	106	26.0	104	2	81-120/11
142-28-9	1,3-Dichloropropane	ND		25	26.7	107	25.6	102	4	81-113/11
594-20-7	2,2-Dichloropropane	ND		25	26.2	105	23.5	94	11	77-138/12
124-48-1	Dibromochloromethane	ND		25	21.6	86	20.8	83	4	74-116/11
75-71-8	Dichlorodifluoromethane	ND		25	34.2	137	30.9	124	10	34-158/22
156-59-2	cis-1,2-Dichloroethylene	ND		25	26.3	105	25.0	100	5	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	27.0	108	26.1	104	3	83-119/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49400-1MS	J029865.D	1	05/22/07	SH	n/a	n/a	VJ2130
F49400-1MSD	J029868.D	1	05/22/07	SH	n/a	n/a	VJ2130
F49400-1	J029864.D	1	05/22/07	SH	n/a	n/a	VJ2130

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49469-1, F49469-2, F49469-5, F49469-6

CAS No.	Compound	F49400-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		25	22.4	90	21.7	87	3	41-130/33
541-73-1	m-Dichlorobenzene	ND		25	26.6	106	25.6	102	4	86-115/9
95-50-1	o-Dichlorobenzene	ND		25	26.8	107	26.0	104	3	85-115/9
106-46-7	p-Dichlorobenzene	ND		25	26.5	106	25.6	102	3	87-113/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	26.7	107	25.4	102	5	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	30.0	120	28.7	115	4	87-123/10
100-41-4	Ethylbenzene	ND		25	27.5	110	25.9	104	6	87-118/10
97-63-2	Ethyl methacrylate	ND		25	24.9	100	24.3	97	2	68-110/11
76-13-1	Freon 113	ND		25	28.2	113	29.1	116	3	74-139/13
591-78-6	2-Hexanone	ND		125	133	106	130	104	2	58-125/14
87-68-3	Hexachlorobutadiene	ND		25	25.3	101	23.3	93	8	71-133/12
110-54-3	Hexane	ND		25	25.8	103	24.7	99	4	71-134/11
98-82-8	Isopropylbenzene	0.57	J	25	27.1	106	25.3	99	7	87-131/10
99-87-6	p-Isopropyltoluene	ND		25	25.8	103	24.4	98	6	83-125/9
108-10-1	4-Methyl-2-pentanone	ND		125	143	114	139	111	3	62-125/13
126-98-7	Methacrylonitrile	ND		250	257	103	258	103	0	62-133/17
74-83-9	Methyl bromide	ND		25	28.7	115	26.8	107	7	55-151/21
74-87-3	Methyl chloride	ND		25	26.4	106	25.4	102	4	55-173/22
74-88-4	Methyl iodide	ND		25	23.4	94	22.4	90	4	72-125/11
80-62-6	Methyl methacrylate	ND		25	24.7	99	24.3	97	2	63-115/10
74-95-3	Methylene bromide	ND		25	27.5	110	27.2	109	1	81-116/10
75-09-2	Methylene chloride	ND		25	24.7	99	24.4	98	1	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	116	93	115	92	1	61-127/13
1634-04-4	Methyl Tert Butyl Ether	ND		25	27.2	109	26.2	105	4	75-116/10
91-20-3	Naphthalene	ND		25	24.0	96	23.0	92	4	59-125/15
76-01-7	Pentachloroethane	ND		25	24.7	99	23.7	95	4	82-111/8
107-12-0	Propionitrile	ND		250	257	103	253	101	2	69-119/12
103-65-1	n-Propylbenzene	ND		25	29.1	116	28.0	112	4	86-125/10
100-42-5	Styrene	ND		25	24.0	96	22.7	91	6	78-118/11
630-20-6	1,1,1,2-Tetrachloroethane	ND		25	27.3	109	25.6	102	6	81-119/10
71-55-6	1,1,1-Trichloroethane	ND		25	26.6	106	24.8	99	7	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	26.0	104	26.3	105	1	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	26.3	105	25.5	102	3	80-114/11
87-61-6	1,2,3-Trichlorobenzene	ND		25	23.1	92	22.1	88	4	64-126/16
96-18-4	1,2,3-Trichloropropane	ND		25	27.1	108	26.8	107	1	77-115/12
120-82-1	1,2,4-Trichlorobenzene	ND		25	22.8	91	22.0	88	4	68-123/11

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49400-1MS	J029865.D	1	05/22/07	SH	n/a	n/a	VJ2130
F49400-1MSD	J029868.D	1	05/22/07	SH	n/a	n/a	VJ2130
F49400-1	J029864.D	1	05/22/07	SH	n/a	n/a	VJ2130

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49469-1, F49469-2, F49469-5, F49469-6

CAS No.	Compound	F49400-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		25	26.0	104	24.8	99	5	82-120/10
108-67-8	1,3,5-Trimethylbenzene	ND		25	28.7	115	27.7	111	4	83-123/10
127-18-4	Tetrachloroethylene	ND		25	28.3	113	26.0	104	8	80-131/12
108-88-3	Toluene	ND		25	27.0	108	25.2	101	7	86-116/10
79-01-6	Trichloroethylene	ND		25	27.3	109	26.4	106	3	85-124/10
75-69-4	Trichlorofluoromethane	ND		25	28.4	114	27.1	108	5	66-156/15
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		25	24.9	100	24.3	97	2	51-137/24
75-01-4	Vinyl chloride	ND		25	27.8	111	26.0	104	7	57-153/22
108-05-4	Vinyl Acetate	ND		125	187	150	185	148	1	38-159/11
	m,p-Xylene	ND		50	58.8	118	55.5	111	6	86-121/10
95-47-6	o-Xylene	ND		25	25.5	102	23.8	95	7	83-121/10

CAS No.	Surrogate Recoveries	MS	MSD	F49400-1	Limits
1868-53-7	Dibromofluoromethane	103%	101%	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	104%	103%	103%	76-127%
2037-26-5	Toluene-D8	99%	98%	99%	86-112%
460-00-4	4-Bromofluorobenzene	102%	103%	107%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49466-1MS	J029900.D	1	05/23/07	SH	n/a	n/a	VJ2131
F49466-1MSD	J029901.D	1	05/23/07	SH	n/a	n/a	VJ2131
F49466-1	J029896.D	1	05/23/07	SH	n/a	n/a	VJ2131

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49469-11

CAS No.	Compound	F49466-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25 U		125	88.2	71	90.8	73	3	59-134/14
75-05-8	Acetonitrile	20 U		250	253	101	250	100	1	57-123/15
107-02-8	Acrolein	20 U		125	212	170*	203	162*	4	33-157/21
107-13-1	Acrylonitrile	10 U		125	146	117	145	116	1	62-124/13
107-05-1	Allyl chloride	10 U		25	24.8	99	23.7	95	5	48-136/13
100-44-7	Benzyl Chloride	1.0 U		25	23.3	93	23.1	92	1	61-118/12
108-86-1	Bromobenzene	1.0 U		25	25.6	102	25.2	101	2	83-115/10
74-97-5	Bromochloromethane	1.0 U		25	26.1	104	25.8	103	1	78-112/10
75-27-4	Bromodichloromethane	1.0 U		25	26.6	106	26.7	107	0	76-116/10
75-25-2	Bromoform	1.0 U		25	24.6	98	24.7	99	0	68-128/11
104-51-8	n-Butylbenzene	1.0 U		25	26.7	107	26.8	107	0	84-124/10
135-98-8	sec-Butylbenzene	1.0 U		25	26.8	107	26.5	106	1	86-127/10
98-06-6	tert-Butylbenzene	1.0 U		25	26.1	104	26.2	105	0	83-126/10
108-90-7	Chlorobenzene	1.0 U		25	26.5	106	25.8	103	3	87-115/9
75-00-3	Chloroethane	2.0 U		25	27.4	110	25.7	103	6	54-166/20
67-66-3	Chloroform	1.0 U		25	28.7	115	28.4	114	1	85-123/10
544-10-5	1-Chlorohexane	2.0 U		25	26.0	104	25.9	104	0	87-128/10
95-49-8	o-Chlorotoluene	1.0 U		25	28.5	114	27.8	111	2	84-121/10
106-43-4	p-Chlorotoluene	1.0 U		25	28.2	113	27.9	112	1	84-120/10
110-75-8	2-Chloroethyl vinyl ether	5.0 U		125	19.0	15*	ND	0*	200*	63-125/24
75-15-0	Carbon disulfide	2.0 U		25	29.0	116	27.5	110	5	67-147/12
56-23-5	Carbon tetrachloride	1.0 U		25	27.5	110	27.6	110	0	74-139/13
75-34-3	1,1-Dichloroethane	1.0 U		25	28.0	112	27.1	108	3	82-127/10
75-35-4	1,1-Dichloroethylene	1.0 U		25	26.4	106	24.9	100	6	75-133/13
563-58-6	1,1-Dichloropropene	1.0 U		25	30.1	120	29.8	119	1	87-127/10
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U		25	20.7	83	21.0	84	1	61-118/15
106-93-4	1,2-Dibromoethane	1.0 U		25	21.9	88	22.2	89	1	80-115/10
107-06-2	1,2-Dichloroethane	1.0 U		25	28.0	112	27.4	110	2	76-122/11
78-87-5	1,2-Dichloropropane	1.0 U		25	27.6	110	26.8	107	3	81-120/11
142-28-9	1,3-Dichloropropane	1.0 U		25	25.4	102	25.5	102	0	81-113/11
594-20-7	2,2-Dichloropropane	1.0 U		25	27.0	108	26.3	105	3	77-138/12
124-48-1	Dibromochloromethane	1.0 U		25	20.7	83	20.8	83	0	74-116/11
75-71-8	Dichlorodifluoromethane	1.0 U		25	38.1	152	42.2	169*	10	34-158/22
156-59-2	cis-1,2-Dichloroethylene	1.0 U		25	26.6	106	26.5	106	0	81-114/10
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	28.2	113	27.1	108	4	83-119/10
1476-11-5	cis-1,4-Dichloro-2-Butene	10 U		25	15.4	62	12.8	51	18	41-130/33

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49466-1MS	J029900.D	1	05/23/07	SH	n/a	n/a	VJ2131
F49466-1MSD	J029901.D	1	05/23/07	SH	n/a	n/a	VJ2131
F49466-1	J029896.D	1	05/23/07	SH	n/a	n/a	VJ2131

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49469-11

CAS No.	Compound	F49466-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
541-73-1	m-Dichlorobenzene	1.0	U	25	25.7	103	25.3	101	2	86-115/9
95-50-1	o-Dichlorobenzene	1.0	U	25	25.8	103	25.9	104	0	85-115/9
106-46-7	p-Dichlorobenzene	1.0	U	25	25.9	104	25.4	102	2	87-113/10
156-60-5	trans-1,2-Dichloroethylene	1.0	U	25	27.8	111	26.9	108	3	82-126/10
10061-02-6	trans-1,3-Dichloropropene	1.0	U	25	28.3	113	28.3	113	0	87-123/10
100-41-4	Ethylbenzene	1.0	U	25	26.8	107	26.3	105	2	87-118/10
97-63-2	Ethyl methacrylate	5.0	U	25	23.3	93	23.5	94	1	68-110/11
76-13-1	Freon 113	1.0	U	25	30.7	123	29.4	118	4	74-139/13
591-78-6	2-Hexanone	5.0	U	125	118	94	115	92	3	58-125/14
87-68-3	Hexachlorobutadiene	2.0	U	25	25.6	102	24.7	99	4	71-133/12
110-54-3	Hexane	2.0	U	25	27.7	111	26.3	105	5	71-134/11
98-82-8	Isopropylbenzene	1.0	U	25	25.5	102	25.1	100	2	87-131/10
99-87-6	p-Isopropyltoluene	1.0	U	25	25.1	100	25.0	100	0	83-125/9
108-10-1	4-Methyl-2-pentanone	5.0	U	125	127	102	126	101	1	62-125/13
126-98-7	Methacrylonitrile	20	U	250	271	108	261	104	4	62-133/17
74-83-9	Methyl bromide	2.0	U	25	33.1	132	31.0	124	7	55-151/21
74-87-3	Methyl chloride	2.0	U	25	30.7	123	29.9	120	3	55-173/22
74-88-4	Methyl iodide	5.0	U	25	24.7	99	23.9	96	3	72-125/11
80-62-6	Methyl methacrylate	5.0	U	25	25.2	101	24.7	99	2	63-115/10
74-95-3	Methylene bromide	2.0	U	25	27.6	110	27.5	110	0	81-116/10
75-09-2	Methylene chloride	5.0	U	25	25.8	103	24.6	98	5	69-125/11
78-93-3	Methyl ethyl ketone	5.0	U	125	115	92	114	91	1	61-127/13
1634-04-4	Methyl Tert Butyl Ether	1.0	U	25	26.8	107	27.1	108	1	75-116/10
91-20-3	Naphthalene	2.0	U	25	21.3	85	22.6	90	6	59-125/15
76-01-7	Pentachloroethane	10	U	25	24.3	97	24.0	96	1	82-111/8
107-12-0	Propionitrile	20	U	250	267	107	261	104	2	69-119/12
103-65-1	n-Propylbenzene	1.0	U	25	28.7	115	28.1	112	2	86-125/10
100-42-5	Styrene	1.0	U	25	23.3	93	23.1	92	1	78-118/11
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	25	25.4	102	25.7	103	1	81-119/10
71-55-6	1,1,1-Trichloroethane	1.0	U	25	26.7	107	26.8	107	0	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	25	24.6	98	24.5	98	0	71-120/11
79-00-5	1,1,2-Trichloroethane	1.0	U	25	25.4	102	25.3	101	0	80-114/11
87-61-6	1,2,3-Trichlorobenzene	1.0	U	25	21.6	86	22.1	88	2	64-126/16
96-18-4	1,2,3-Trichloropropane	2.0	U	25	24.6	98	25.2	101	2	77-115/12
120-82-1	1,2,4-Trichlorobenzene	1.0	U	25	22.2	89	22.3	89	0	68-123/11
95-63-6	1,2,4-Trimethylbenzene	2.0	U	25	24.9	100	24.7	99	1	82-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49466-1MS	J029900.D	1	05/23/07	SH	n/a	n/a	VJ2131
F49466-1MSD	J029901.D	1	05/23/07	SH	n/a	n/a	VJ2131
F49466-1	J029896.D	1	05/23/07	SH	n/a	n/a	VJ2131

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49469-11

CAS No.	Compound	F49466-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
108-67-8	1,3,5-Trimethylbenzene	2.0 U		25	28.3	113	27.8	111	2	83-123/10
127-18-4	Tetrachloroethylene	1.0 U		25	27.0	108	27.0	108	0	80-131/12
79-01-6	Trichloroethylene	1.0 U		25	28.1	112	28.3	113	1	85-124/10
75-69-4	Trichlorofluoromethane	2.0 U		25	31.8	127	29.8	119	6	66-156/15
110-57-6	Trans-1,4-Dichloro-2-Butene	10 U		25	18.0	72	15.1	60	18	51-137/24
75-01-4	Vinyl chloride	1.0 U		25	30.3	121	30.0	120	1	57-153/22
108-05-4	Vinyl Acetate	10 U		125	200	160*	193	154	4	38-159/11
	m,p-Xylene	2.0 U		50	57.9	116	56.5	113	2	86-121/10
95-47-6	o-Xylene	1.0 U		25	24.2	97	24.2	97	0	83-121/10

CAS No.	Surrogate Recoveries	MS	MSD	F49466-1	Limits
1868-53-7	Dibromofluoromethane	104%	104%	106%	87-116%
17060-07-0	1,2-Dichloroethane-D4	103%	104%	105%	76-127%
2037-26-5	Toluene-D8	97%	97%	98%	86-112%
460-00-4	4-Bromofluorobenzene	101%	103%	106%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49471-1MS	N0019151.D	1	05/24/07	JG	n/a	n/a	VN812
F49471-1MSD	N0019152.D	1	05/24/07	JG	n/a	n/a	VN812
F49471-1	N0019150.D	1	05/24/07	JG	n/a	n/a	VN812

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49469-11

CAS No.	Compound	F49471-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		25	26.3	105	25.7	103	2	83-124/11
108-88-3	Toluene	ND		25	25.4	102	25.9	104	2	86-116/10

CAS No.	Surrogate Recoveries	MS	MSD	F49471-1	Limits
1868-53-7	Dibromofluoromethane	99%	100%	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	93%	92%	96%	76-127%
2037-26-5	Toluene-D8	97%	98%	91%	86-112%
460-00-4	4-Bromofluorobenzene	98%	100%	95%	84-120%

GC/MS Semi-volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20601-MB	U002200.D	1	05/23/07	NJ	05/16/07	OP20601	SU111

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49469-1, F49469-2, F49469-3, F49469-4, F49469-5, F49469-11

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	2.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	2.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	5.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	2.0	ug/l	
	3&4-Methylphenol	ND	5.0	2.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	2.0	ug/l	
100-02-7	4-Nitrophenol	ND	25	10	ug/l	
87-86-5	Pentachlorophenol	ND	25	10	ug/l	
108-95-2	Phenol	ND	5.0	2.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.0	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
92-87-5	Benzidine	ND	25	15	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	4.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	2.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	1.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	

Method Blank Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20601-MB	U002200.D	1	05/23/07	NJ	05/16/07	OP20601	SU111

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49469-1, F49469-2, F49469-3, F49469-4, F49469-5, F49469-11

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	1.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	2.5	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	2.5	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	2.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
88-74-4	2-Nitroaniline	ND	10	4.0	ug/l	
99-09-2	3-Nitroaniline	ND	10	4.0	ug/l	
100-01-6	4-Nitroaniline	ND	10	4.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	38%	14-62%
4165-62-2	Phenol-d5	26%	10-40%

Method Blank Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20601-MB	U002200.D	1	05/23/07	NJ	05/16/07	OP20601	SU111

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49469-1, F49469-2, F49469-3, F49469-4, F49469-5, F49469-11

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	75%	33-118%
4165-60-0	Nitrobenzene-d5	70%	42-108%
321-60-8	2-Fluorobiphenyl	67%	40-106%
1718-51-0	Terphenyl-d14	80%	39-121%

Method Blank Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20601-MB	U002233.D	1	05/24/07	NJ	05/16/07	OP20601	SU112

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49469-1, F49469-2, F49469-3, F49469-4, F49469-5, F49469-11

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	2.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	2.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	5.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	2.0	ug/l	
	3&4-Methylphenol	ND	5.0	2.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	2.0	ug/l	
100-02-7	4-Nitrophenol	ND	25	10	ug/l	
87-86-5	Pentachlorophenol	ND	25	10	ug/l	
108-95-2	Phenol	ND	5.0	2.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.0	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
92-87-5	Benzidine	ND	25	15	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	4.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	2.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	1.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	

Method Blank Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20601-MB	U002233.D	1	05/24/07	NJ	05/16/07	OP20601	SU112

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49469-1, F49469-2, F49469-3, F49469-4, F49469-5, F49469-11

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	1.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	2.5	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	2.5	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	2.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
88-74-4	2-Nitroaniline	ND	10	4.0	ug/l	
99-09-2	3-Nitroaniline	ND	10	4.0	ug/l	
100-01-6	4-Nitroaniline	ND	10	4.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	38%	14-62%
4165-62-2	Phenol-d5	25%	10-40%

Method Blank Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20601-MB	U002233.D	1	05/24/07	NJ	05/16/07	OP20601	SU112

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49469-1, F49469-2, F49469-3, F49469-4, F49469-5, F49469-11

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	68%	33-118%
4165-60-0	Nitrobenzene-d5	70%	42-108%
321-60-8	2-Fluorobiphenyl	66%	40-106%
1718-51-0	Terphenyl-d14	81%	39-121%

Blank Spike Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20601-BS	U002199.D	1	05/23/07	NJ	05/16/07	OP20601	SU111

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49469-1, F49469-2, F49469-3, F49469-4, F49469-5, F49469-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-57-8	2-Chlorophenol	50	34.5	69	44-103
59-50-7	4-Chloro-3-methyl phenol	50	37.8	76	53-105
120-83-2	2,4-Dichlorophenol	50	40.9	82	53-108
105-67-9	2,4-Dimethylphenol	50	31.7	63	37-91
51-28-5	2,4-Dinitrophenol	100	68.7	69	37-111
534-52-1	4,6-Dinitro-o-cresol	100	83.3	83	62-115
95-48-7	2-Methylphenol	50	27.7	55	35-91
	3&4-Methylphenol	100	49.5	50	32-85
88-75-5	2-Nitrophenol	50	41.2	82	49-111
100-02-7	4-Nitrophenol	100	24.6	25	13-55
87-86-5	Pentachlorophenol	100	82.4	82	57-118
108-95-2	Phenol	50	11.4	23	13-54
95-95-4	2,4,5-Trichlorophenol	50	40.1	80	59-106
88-06-2	2,4,6-Trichlorophenol	50	40.4	81	58-107
83-32-9	Acenaphthene	50	40.9	82	58-106
208-96-8	Acenaphthylene	50	40.6	81	58-105
120-12-7	Anthracene	50	41.9	84	65-108
92-87-5	Benzidine	50	21.3	43	15-73
56-55-3	Benzo(a)anthracene	50	40.6	81	63-111
50-32-8	Benzo(a)pyrene	50	40.9	82	62-106
205-99-2	Benzo(b)fluoranthene	50	40.3	81	63-109
191-24-2	Benzo(g,h,i)perylene	50	40.3	81	61-111
207-08-9	Benzo(k)fluoranthene	50	42.5	85	64-111
101-55-3	4-Bromophenyl phenyl ether	50	40.9	82	64-107
85-68-7	Butyl benzyl phthalate	50	37.7	75	59-114
100-51-6	Benzyl Alcohol	50	27.5	55	34-98
91-58-7	2-Chloronaphthalene	50	38.7	77	54-105
106-47-8	4-Chloroaniline	50	39.7	79	53-103
218-01-9	Chrysene	50	40.9	82	64-111
111-91-1	bis(2-Chloroethoxy)methane	50	35.6	71	48-101
111-44-4	bis(2-Chloroethyl)ether	50	36.5	73	51-108
108-60-1	bis(2-Chloroisopropyl)ether	50	32.6	65	43-106
7005-72-3	4-Chlorophenyl phenyl ether	50	39.9	80	61-107
95-50-1	1,2-Dichlorobenzene	50	33.5	67	41-102
541-73-1	1,3-Dichlorobenzene	50	31.9	64	38-100
106-46-7	1,4-Dichlorobenzene	50	32.3	65	40-100

Blank Spike Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20601-BS	U002199.D	1	05/23/07	NJ	05/16/07	OP20601	SU111

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49469-1, F49469-2, F49469-3, F49469-4, F49469-5, F49469-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
121-14-2	2,4-Dinitrotoluene	50	41.4	83	60-109
606-20-2	2,6-Dinitrotoluene	50	37.8	76	58-104
91-94-1	3,3'-Dichlorobenzidine	50	39.5	79	57-105
53-70-3	Dibenzo(a,h)anthracene	50	39.7	79	62-112
132-64-9	Dibenzofuran	50	39.7	79	61-108
84-74-2	Di-n-butyl phthalate	50	40.6	81	62-109
117-84-0	Di-n-octyl phthalate	50	35.7	71	60-120
84-66-2	Diethyl phthalate	50	40.9	82	62-109
131-11-3	Dimethyl phthalate	50	40.4	81	63-106
117-81-7	bis(2-Ethylhexyl)phthalate	50	36.2	72	59-116
206-44-0	Fluoranthene	50	42.4	85	65-114
86-73-7	Fluorene	50	41.3	83	61-106
118-74-1	Hexachlorobenzene	50	41.4	83	62-107
87-68-3	Hexachlorobutadiene	50	35.3	71	38-107
77-47-4	Hexachlorocyclopentadiene	50	29.1	58	19-84
67-72-1	Hexachloroethane	50	29.3	59	35-101
193-39-5	Indeno(1,2,3-cd)pyrene	50	40.1	80	61-113
78-59-1	Isophorone	50	40.0	80	56-111
91-57-6	2-Methylnaphthalene	50	39.6	79	56-112
88-74-4	2-Nitroaniline	50	40.0	80	60-109
99-09-2	3-Nitroaniline	50	39.1	78	52-107
100-01-6	4-Nitroaniline	50	40.3	81	59-111
91-20-3	Naphthalene	50	37.6	75	50-104
98-95-3	Nitrobenzene	50	38.5	77	52-105
621-64-7	N-Nitroso-di-n-propylamine	50	37.8	76	51-104
86-30-6	N-Nitrosodiphenylamine	50	40.3	81	57-110
85-01-8	Phenanthrene	50	41.4	83	65-108
129-00-0	Pyrene	50	41.0	82	60-113
120-82-1	1,2,4-Trichlorobenzene	50	35.4	71	45-104

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	37%	14-62%
4165-62-2	Phenol-d5	23%	10-40%
118-79-6	2,4,6-Tribromophenol	85%	33-118%

Blank Spike Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20601-BS	U002199.D	1	05/23/07	NJ	05/16/07	OP20601	SU111

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49469-1, F49469-2, F49469-3, F49469-4, F49469-5, F49469-11

CAS No.	Surrogate Recoveries	BSP	Limits
4165-60-0	Nitrobenzene-d5	79%	42-108%
321-60-8	2-Fluorobiphenyl	76%	40-106%
1718-51-0	Terphenyl-d14	81%	39-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20601-MS	U002218.D	1	05/23/07	NJ	05/16/07	OP20601	SU111
OP20601-MSD	U002219.D	1	05/23/07	NJ	05/16/07	OP20601	SU111
F49469-1	U002217.D	1	05/23/07	NJ	05/16/07	OP20601	SU111

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49469-1, F49469-2, F49469-3, F49469-4, F49469-5, F49469-11

CAS No.	Compound	F49469-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	ND		192	56.8	30	61.3	32	8	10-50/40
95-57-8	2-Chlorophenol	ND		96.2	61.0	63	70.2	73	14	44-103/29
59-50-7	4-Chloro-3-methyl phenol	ND		96.2	73.3	76	77.6	81	6	53-105/24
120-83-2	2,4-Dichlorophenol	ND		96.2	68.7	71	78.3	81	13	53-108/26
105-67-9	2,4-Dimethylphenol	ND		96.2	49.7	52	50.4	52	1	37-91/28
51-28-5	2,4-Dinitrophenol	ND		192	135	70	143	74	6	37-111/30
534-52-1	4,6-Dinitro-o-cresol	ND		192	161	84	166	86	3	62-115/26
95-48-7	2-Methylphenol	ND		96.2	55.5	58	66.7	69	18	35-91/30
	3&4-Methylphenol	ND		192	106	55	129	67	20	32-85/29
88-75-5	2-Nitrophenol	ND		96.2	68.5	71	78.0	81	13	49-111/30
100-02-7	4-Nitrophenol	ND		192	89.4	46	94.5	49	6	13-55/31
87-86-5	Pentachlorophenol	ND		192	162	84	166	86	2	57-118/26
108-95-2	Phenol	ND		96.2	33.7	35	46.9	49	33	13-54/34
95-95-4	2,4,5-Trichlorophenol	ND		96.2	76.8	80	80.4	84	5	59-106/23
88-06-2	2,4,6-Trichlorophenol	ND		96.2	73.9	77	79.3	82	7	58-107/24
83-32-9	Acenaphthene	ND		96.2	73.7	77	76.9	80	4	58-106/21
208-96-8	Acenaphthylene	ND		96.2	73.2	76	77.3	80	5	58-105/21
120-12-7	Anthracene	ND		96.2	80.8	84	78.0	81	4	65-108/19
92-87-5	Benzidine	ND		96.2	ND	0*	ND	0*	nc	15-73/23
56-55-3	Benzo(a)anthracene	ND		96.2	81.5	85	80.0	83	2	63-111/19
50-32-8	Benzo(a)pyrene	ND		96.2	81.2	84	78.0	81	4	62-106/20
205-99-2	Benzo(b)fluoranthene	ND		96.2	80.3	84	81.7	85	2	63-109/20
191-24-2	Benzo(g,h,i)perylene	ND		96.2	84.7	88	77.8	81	8	61-111/21
207-08-9	Benzo(k)fluoranthene	ND		96.2	84.0	87	81.0	84	4	64-111/20
101-55-3	4-Bromophenyl phenyl ether	ND		96.2	79.8	83	80.7	84	1	64-107/20
85-68-7	Butyl benzyl phthalate	ND		96.2	74.0	77	75.4	78	2	59-114/20
100-51-6	Benzyl Alcohol	ND		96.2	59.8	62	65.7	68	9	34-98/27
91-58-7	2-Chloronaphthalene	ND		96.2	68.7	71	74.6	78	8	54-105/24
106-47-8	4-Chloroaniline	ND		96.2	64.7	67	68.8	72	6	53-103/22
218-01-9	Chrysene	ND		96.2	81.5	85	80.1	83	2	64-111/19
111-91-1	bis(2-Chloroethoxy)methane	ND		96.2	57.1	59	65.5	68	14	48-101/28
111-44-4	bis(2-Chloroethyl)ether	ND		96.2	58.3	61	67.0	70	14	51-108/27
108-60-1	bis(2-Chloroisopropyl)ether	ND		96.2	48.5	50	56.9	59	16	43-106/27
7005-72-3	4-Chlorophenyl phenyl ether	ND		96.2	75.8	79	76.5	80	1	61-107/20
95-50-1	1,2-Dichlorobenzene	ND		96.2	61.5	64	71.2	74	15	41-102/28
541-73-1	1,3-Dichlorobenzene	ND		96.2	59.4	62	69.5	72	16	38-100/28

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20601-MS	U002218.D	1	05/23/07	NJ	05/16/07	OP20601	SU111
OP20601-MSD	U002219.D	1	05/23/07	NJ	05/16/07	OP20601	SU111
F49469-1	U002217.D	1	05/23/07	NJ	05/16/07	OP20601	SU111

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49469-1, F49469-2, F49469-3, F49469-4, F49469-5, F49469-11

CAS No.	Compound	F49469-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
106-46-7	1,4-Dichlorobenzene	ND		96.2	59.0	61	69.4	72	16	40-100/28
121-14-2	2,4-Dinitrotoluene	ND		96.2	80.6	84	78.2	81	3	60-109/20
606-20-2	2,6-Dinitrotoluene	ND		96.2	75.1	78	74.0	77	1	58-104/21
91-94-1	3,3'-Dichlorobenzidine	ND		96.2	62.2	65	51.3	53*	19	57-105/25
53-70-3	Dibenzo(a,h)anthracene	ND		96.2	83.7	87	76.5	80	9	62-112/20
132-64-9	Dibenzofuran	ND		96.2	73.1	76	75.5	79	3	61-108/20
84-74-2	Di-n-butyl phthalate	ND		96.2	77.4	80	76.9	80	1	62-109/20
117-84-0	Di-n-octyl phthalate	ND		96.2	67.5	70	72.2	75	7	60-120/24
84-66-2	Diethyl phthalate	ND		96.2	78.4	82	77.2	80	2	62-109/19
131-11-3	Dimethyl phthalate	ND		96.2	77.7	81	77.6	81	0	63-106/19
117-81-7	bis(2-Ethylhexyl)phthalate	ND		96.2	68.9	72	71.7	75	4	59-116/21
206-44-0	Fluoranthene	ND		96.2	82.5	86	79.6	83	4	65-114/21
86-73-7	Fluorene	ND		96.2	77.9	81	78.1	81	0	61-106/19
118-74-1	Hexachlorobenzene	ND		96.2	81.4	85	79.8	83	2	62-107/20
87-68-3	Hexachlorobutadiene	ND		96.2	67.3	70	79.2	82	16	38-107/30
77-47-4	Hexachlorocyclopentadiene	ND		96.2	48.8	51	58.6	61	18	19-84/35
67-72-1	Hexachloroethane	ND		96.2	58.4	61	70.2	73	18	35-101/29
193-39-5	Indeno(1,2,3-cd)pyrene	ND		96.2	84.8	88	79.5	83	6	61-113/20
78-59-1	Isophorone	ND		96.2	66.1	69	73.2	76	10	56-111/26
91-57-6	2-Methylnaphthalene	ND		96.2	67.4	70	75.5	79	11	56-112/26
88-74-4	2-Nitroaniline	ND		96.2	74.8	78	67.3	70	11	60-109/20
99-09-2	3-Nitroaniline	ND		96.2	75.1	78	70.7	74	6	52-107/21
100-01-6	4-Nitroaniline	ND		96.2	76.6	80	68.3	71	11	59-111/21
91-20-3	Naphthalene	ND		96.2	64.6	67	72.3	75	11	50-104/28
98-95-3	Nitrobenzene	ND		96.2	63.2	66	73.5	76	15	52-105/28
621-64-7	N-Nitroso-di-n-propylamine	ND		96.2	59.2	62	66.6	69	12	51-104/28
86-30-6	N-Nitrosodiphenylamine	ND		96.2	79.3	82	78.2	81	1	57-110/19
85-01-8	Phenanthrene	ND		96.2	81.2	84	79.6	83	2	65-108/20
129-00-0	Pyrene	ND		96.2	82.1	85	82.6	86	1	60-113/20
120-82-1	1,2,4-Trichlorobenzene	ND		96.2	64.5	67	73.5	76	13	45-104/28

CAS No.	Surrogate Recoveries	MS	MSD	F49469-1	Limits
367-12-4	2-Fluorophenol	46%	56%	31%	14-62%
4165-62-2	Phenol-d5	36%	49%*	21%	10-40%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20601-MS	U002218.D	1	05/23/07	NJ	05/16/07	OP20601	SU111
OP20601-MSD	U002219.D	1	05/23/07	NJ	05/16/07	OP20601	SU111
F49469-1	U002217.D	1	05/23/07	NJ	05/16/07	OP20601	SU111

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49469-1, F49469-2, F49469-3, F49469-4, F49469-5, F49469-11

CAS No.	Surrogate Recoveries	MS	MSD	F49469-1	Limits
118-79-6	2,4,6-Tribromophenol	87%	86%	76%	33-118%
4165-60-0	Nitrobenzene-d5	66%	74%	67%	42-108%
321-60-8	2-Fluorobiphenyl	68%	75%	66%	40-106%
1718-51-0	Terphenyl-d14	80%	82%	49%	39-121%

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3201-MB	CD077202.D	1	05/21/07	MM	n/a	n/a	GCD3201

The QC reported here applies to the following samples: **Method:** SW846 8015

F49469-1, F49469-2, F49469-5

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	81%	57-129%
98-08-8	aaa-Trifluorotoluene	81%	58-120%

Method Blank Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3203-MB	CD077247.D	1	05/22/07	MM	n/a	n/a	GCD3203

The QC reported here applies to the following samples: **Method:** SW846 8015

F49469-3, F49469-4, F49469-11

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	99%	57-129%
98-08-8	aaa-Trifluorotoluene	96%	58-120%

Blank Spike Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3201-BS	CD077201.D	1	05/21/07	MM	n/a	n/a	GCD3201

The QC reported here applies to the following samples: **Method:** SW846 8015

F49469-1, F49469-2, F49469-5

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	0.4	0.427	107	75-129

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	98%	57-129%
98-08-8	aaa-Trifluorotoluene	96%	58-120%

Blank Spike Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3203-BS	CD077257.D	1	05/22/07	MM	n/a	n/a	GCD3203

The QC reported here applies to the following samples: **Method:** SW846 8015

F49469-3, F49469-4, F49469-11

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	0.4	0.426	107	75-129

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	110%	57-129%
98-08-8	aaa-Trifluorotoluene	113%	58-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49469-1MS	CD077213.D	1	05/21/07	MM	n/a	n/a	GCD3201
F49469-1MSD	CD077214.D	1	05/21/07	MM	n/a	n/a	GCD3201
F49469-1	CD077203.D	1	05/21/07	MM	n/a	n/a	GCD3201

The QC reported here applies to the following samples: **Method:** SW846 8015

F49469-1, F49469-2, F49469-5

CAS No.	Compound	F49469-1 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		0.4	0.477	119	0.457	114	4	75-129/13

CAS No.	Surrogate Recoveries	MS	MSD	F49469-1	Limits
460-00-4	4-Bromofluorobenzene	104%	105%	83%	57-129%
98-08-8	aaa-Trifluorotoluene	96%	95%	91%	58-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49469-4MS	CD077263.D	5	05/22/07	MM	n/a	n/a	GCD3203
F49469-4MSD	CD077264.D	5	05/22/07	MM	n/a	n/a	GCD3203
F49469-4	CD077262.D	5	05/22/07	MM	n/a	n/a	GCD3203

The QC reported here applies to the following samples: **Method:** SW846 8015

F49469-3, F49469-4, F49469-11

CAS No.	Compound	F49469-4 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	1.57		2	3.63	103	3.40	92	7	75-129/13

CAS No.	Surrogate Recoveries	MS	MSD	F49469-4	Limits
460-00-4	4-Bromofluorobenzene	1879%* [a]	1841%* [a]	1994%* [a]	57-129%
98-08-8	aaa-Trifluorotoluene	112%	124%* [b]	99%	58-120%

(a) Outside control limits due to matrix interference. Confirmed by reanalysis.
(b) Outside control limits due to matrix interference.

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20593-MB	YY02396.D	1	05/17/07	MG	05/16/07	OP20593	GYY93

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F49469-1, F49469-2, F49469-3, F49469-4, F49469-5, F49469-11

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.25	0.10	mg/l	
	TPH (> C22-C36)	ND	0.25	0.10	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	86%	42-114%

Method Blank Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20593-MB	YY02455.D	1	05/22/07	MG	05/16/07	OP20593	GYY96

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F49469-1, F49469-2, F49469-3, F49469-4, F49469-5, F49469-11

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.25	0.10	mg/l	
	TPH (> C22-C36)	ND	0.25	0.10	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	82%	42-114%

Method Blank Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20593-MB	YY02513.D	1	05/24/07	MG	05/16/07	OP20593	GYY97

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F49469-1, F49469-2, F49469-3, F49469-4, F49469-5, F49469-11

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.25	0.10	mg/l	
	TPH (> C22-C36)	ND	0.25	0.10	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	97%	42-114%

Blank Spike Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20593-BS	YY02395.D	1	05/17/07	MG	05/16/07	OP20593	GYY93

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F49469-1, F49469-2, F49469-3, F49469-4, F49469-5, F49469-11

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH (C10-C22)	1	0.784	78	60-140
	TPH (> C22-C36)	1	0.953	95	60-140

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	83%	42-114%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49469
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20593-MS	YY02407.D	1	05/17/07	MG	05/16/07	OP20593	GYY93
OP20593-MSD	YY02408.D	1	05/17/07	MG	05/16/07	OP20593	GYY93
F49469-1	YY02406.D	1	05/17/07	MG	05/16/07	OP20593	GYY93

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F49469-1, F49469-2, F49469-3, F49469-4, F49469-5, F49469-11

CAS No.	Compound	F49469-1 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		2	1.68	84	1.47	74	13	60-140/30
	TPH (> C22-C36)	ND		2	1.99	100	2.10	105	5	60-140/30

CAS No.	Surrogate Recoveries	MS	MSD	F49469-1	Limits
84-15-1	o-Terphenyl	85%	84%	81%	42-114%

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F49469
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11972 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/14/07

Metal	RL	IDL	MB raw	final
Mercury	1.0	.08	0.041	<1.0

Associated samples MP11972: F49469-1, F49469-2, F49469-3, F49469-4, F49469-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F49469
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11972
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 05/14/07 05/14/07

Metal	F49469-1 Original	DUP	RPD	QC Limits	F49469-1 Original	MS	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.0	0.0	NC	0-20	0.0	2.9	3	96.7	80-120

Associated samples MP11972: F49469-1, F49469-2, F49469-3, F49469-4, F49469-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F49469
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11972 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/14/07

Metal	F49469-1 Original	MSD	Spikelot HGFLWS1	% Rec	MSD RPD	QC Limit
Mercury	0.0	3.0	3	100.0	3.4	20

Associated samples MP11972: F49469-1, F49469-2, F49469-3, F49469-4, F49469-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F49469
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11972
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 05/14/07

Metal	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	3.1	3	103.3	80-120

Associated samples MP11972: F49469-1, F49469-2, F49469-3, F49469-4, F49469-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: F49469
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP11972 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/14/07

Metal	F49469-1 Original	SDL 1:5	RPD	QC Limits
Mercury	0.00	0.00	NC	0-10

Associated samples MP11972: F49469-1, F49469-2, F49469-3, F49469-4, F49469-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F49469
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12017 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/18/07

Metal	RL	IDL	MB raw	final
Mercury	1.0	.08	0.0040	<1.0

Associated samples MP12017: F49469-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F49469
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12017
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 05/18/07 05/18/07

Metal	F49499-1 Original	DUP	RPD	QC Limits	F49499-1 Original	MS	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.0	0.0	NC	0-20	0.0	2.6	3	86.7	80-120

Associated samples MP12017: F49469-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F49469
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12017 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/18/07

Metal	F49499-1 Original	MSD	Spikelot HGFLWS1	% Rec	MSD RPD	QC Limit
Mercury	0.0	2.6	3	86.7	0.0	20

Associated samples MP12017: F49469-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F49469
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12017
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 05/18/07

Metal	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	3.0	3	100.0	80-120

Associated samples MP12017: F49469-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: F49469
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12017 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/18/07

Metal	F49499-1 Original	SDL 1:5	RPD	QC Limits
Mercury	0.00	0.00	NC	0-10

Associated samples MP12017: F49469-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F49469
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12024
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 05/18/07

Metal	RL	IDL	MB raw	final
Aluminum	200	18	anr	
Antimony	6.0	3.4		
Arsenic	10	2.8	-1.5	<10
Barium	200	5	0.0	<200
Beryllium	8.0	1	anr	
Cadmium	5.0	1	-0.15	<5.0
Calcium	1000	42	anr	
Chromium	10	.6	-0.52	<10
Cobalt	50	1		
Copper	25	.9	anr	
Iron	300	12	anr	
Lead	10	1.7	4.1	<10
Magnesium	5000	4.3		
Manganese	15	.6	anr	
Molybdenum	50	1.3		
Nickel	40	1	anr	
Potassium	10000	10		
Selenium	10	2	-2.8	<10
Silver	10	.9	-0.12	<10
Sodium	10000	500	anr	
Thallium	10	2.3		
Tin	50	3.1		
Vanadium	50	.6	anr	
Zinc	20	1.3	anr	

Associated samples MP12024: F49469-1, F49469-2, F49469-3, F49469-4, F49469-5, F49469-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F49469
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12024
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date:			05/18/07					05/18/07	
Metal	F49469-1 Original	DUP	RPD	QC Limits	F49469-1 Original	MS	Spikelot MPFLICP1 % Rec		QC Limits
Aluminum	anr								
Antimony									
Arsenic	15.0	12.6	17.4	0-20	15.0	2010	2000	99.8	80-120
Barium	14.2	14.0	1.4	0-20	14.2	2100	2000	104.3	80-120
Beryllium	anr								
Cadmium	0.0	0.0	NC	0-20	0.0	49.7	50	99.4	80-120
Calcium	anr								
Chromium	0.61	0.66	7.9	0-20	0.61	193	200	96.2	80-120
Cobalt									
Copper	anr								
Iron	anr								
Lead	0.0	0.0	NC (a)	0-20	0.0	502	500	99.8	80-120
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium									
Selenium	0.0	0.0	NC	0-20	0.0	2170	2000	108.5	80-120
Silver	0.0	0.0	NC	0-20	0.0	52.8	50	105.6	80-120
Sodium	anr								
Thallium									
Tin									
Vanadium	anr								
Zinc	anr								

Associated samples MP12024: F49469-1, F49469-2, F49469-3, F49469-4, F49469-5, F49469-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) RPD acceptable due to low duplicate and sample concentrations.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F49469
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12024 Methods: SW846 6010B
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/18/07

Metal	F49469-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	anr					
Antimony						
Arsenic	15.0	1990	2000	98.8	1.0	20
Barium	14.2	2080	2000	103.3	1.0	20
Beryllium	anr					
Cadmium	0.0	49.5	50	99.0	0.4	20
Calcium	anr					
Chromium	0.61	191	200	95.2	1.0	20
Cobalt						
Copper	anr					
Iron	anr					
Lead	0.0	498	500	99.0	0.8	20
Magnesium						
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium						
Selenium	0.0	2150	2000	107.5	0.9	20
Silver	0.0	52.3	50	104.6	1.0	20
Sodium	anr					
Thallium						
Tin						
Vanadium	anr					
Zinc	anr					

Associated samples MP12024: F49469-1, F49469-2, F49469-3, F49469-4, F49469-5, F49469-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F49469
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12024
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 05/18/07

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	anr			
Antimony				
Arsenic	1910	2000	95.5	80-120
Barium	1990	2000	99.5	80-120
Beryllium	anr			
Cadmium	50.9	50	101.8	80-120
Calcium	anr			
Chromium	199	200	99.5	80-120
Cobalt				
Copper	anr			
Iron	anr			
Lead	480	500	96.0	80-120
Magnesium				
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium				
Selenium	1890	2000	94.5	80-120
Silver	46.2	50	92.4	80-120
Sodium	anr			
Thallium				
Tin				
Vanadium	anr			
Zinc	anr			

Associated samples MP12024: F49469-1, F49469-2, F49469-3, F49469-4, F49469-5, F49469-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: F49469
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12024
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 05/18/07

Metal	F49469-1 Original	SDL 1:5	RPD	QC Limits
Aluminum	anr			
Antimony				
Arsenic	15.0	0.00	100.0(a)	0-10
Barium	14.2	0.00	100.0(a)	0-10
Beryllium	anr			
Cadmium	0.00	0.00	NC	0-10
Calcium	anr			
Chromium	0.610	0.00	100.0(a)	0-10
Cobalt				
Copper	anr			
Iron	anr			
Lead	2.92	14.9	411.3(a)	0-10
Magnesium				
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium				
Selenium	0.00	0.00	NC	0-10
Silver	0.00	0.00	NC	0-10
Sodium	anr			
Thallium				
Tin				
Vanadium	anr			
Zinc	anr			

Associated samples MP12024: F49469-1, F49469-2, F49469-3, F49469-4, F49469-5, F49469-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: F49469
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Solids, Total Dissolved	GN25431	100	<100	mg/l				
Solids, Total Dissolved	GN25476	100	<100	mg/l				

Associated Samples:
Batch GN25431: F49469-1, F49469-2, F49469-3, F49469-4, F49469-5
Batch GN25476: F49469-11
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: F49469
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Solids, Total Dissolved	GN25431	F49469-1	mg/l	5670	5690	0.2	0-30%
Solids, Total Dissolved	GN25476	F49469-11	mg/l	15900	15700	1.3	0-30%

Associated Samples:
Batch GN25431: F49469-1, F49469-2, F49469-3, F49469-4, F49469-5
Batch GN25476: F49469-11
(*) Outside of QC limits

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

10/29/08

Technical Report for

Bhate Environmental Associates, Inc.

HOLMN

PROJECT # 9050361.01.02

Accutest Job Number: F49499

Sampling Dates: 05/10/07 - 05/11/07

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **154**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Sections: 1 2 3 4 5 6 7 8 9 10

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **7**
3.1: F49499-1: SS61-TMW62 8
3.2: F49499-2: SS61-TMW63 18
3.3: F49499-3: SS61-TMW64 28
3.4: F49499-4: SS61-TMW65 38
3.5: F49499-5: SS61-TMW67 48
3.6: F49499-6: SS61-TMW69 58
3.7: F49499-7: SS61-TMW63A 68
3.8: F49499-8: SS61-TRIP BLANK 78
Section 4: Misc. Forms **81**
4.1: Chain of Custody 82
Section 5: GC/MS Volatiles - QC Data Summaries **84**
5.1: Method Blank Summary 85
5.2: Blank Spike Summary 91
5.3: Matrix Spike/Matrix Spike Duplicate Summary 97
Section 6: GC/MS Semi-volatiles - QC Data Summaries **103**
6.1: Method Blank Summary 104
6.2: Blank Spike Summary 116
6.3: Matrix Spike/Matrix Spike Duplicate Summary 122
Section 7: GC Volatiles - QC Data Summaries **128**
7.1: Method Blank Summary 129
7.2: Blank Spike Summary 131
7.3: Matrix Spike/Matrix Spike Duplicate Summary 133
Section 8: GC Semi-volatiles - QC Data Summaries **135**
8.1: Method Blank Summary 136
8.2: Blank Spike Summary 139
8.3: Matrix Spike/Matrix Spike Duplicate Summary 140
Section 9: Metals Analysis - QC Data Summaries **141**
9.1: Prep QC MP12017: Hg 142
9.2: Prep QC MP12050: As,Ba,Cd,Cr,Pb,Se,Ag 147
Section 10: General Chemistry - QC Data Summaries **152**
10.1: Method Blank and Spike Results Summary 153
10.2: Duplicate Results Summary 154

Sample Summary

Bhate Environmental Associates, Inc.

Job No: F49499

HOLMN
Project No: PROJECT # 9050361.01.02

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F49499-1	05/10/07	13:20	JM	05/12/07	AQ	Ground Water	SS61-TMW62
F49499-1D	05/10/07	13:20	JM	05/12/07	AQ	Water Dup/MSD	SS61-TMW62
F49499-1S	05/10/07	13:20	JM	05/12/07	AQ	Water Matrix Spike	SS61-TMW62
F49499-2	05/10/07	13:35	JM	05/12/07	AQ	Ground Water	SS61-TMW63
F49499-3	05/10/07	16:30	JM	05/12/07	AQ	Ground Water	SS61-TMW64
F49499-4	05/11/07	08:50	JM	05/12/07	AQ	Ground Water	SS61-TMW65
F49499-5	05/11/07	10:05	JM	05/12/07	AQ	Ground Water	SS61-TMW67
F49499-6	05/11/07	11:00	JM	05/12/07	AQ	Ground Water	SS61-TMW69
F49499-7	05/10/07	13:35	JM	05/12/07	AQ	Ground Water	SS61-TMW63A
F49499-8	05/11/07	00:00	JM	05/12/07	AQ	Trip Blank Water	SS61-TRIP BLANK

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Bhate Environmental Associates, Inc. **Job No:** F49499

Site: HOLMN **Report Date** 6/5/2007 9:57:43 AM

7 Samples, 1 Trip Blank were collected on between 05/10/2007 and 05/11/2007 and received at Accutest on 05/12/2007 properly preserved, at 3 Deg. C and intact. These Samples received an Accutest job number of F49499. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VJ2132

Sample(s) F49499-1MS, F49499-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery for Acrolein, BS/MS/MSD for Vinyl Acetate are outside control limits. Biased high, not detected in the samples, data integrity not adversely affected.

Matrix Spike Recovery(s) for 1-Chlorohexane, 2-Chloroethyl vinyl ether, 4-Methyl-2-pentanone, Ethyl methacrylate are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1-Chlorohexane, 2-Chloroethyl vinyl ether, Acetone, Ethyl methacrylate are outside control limits. Probable cause due to matrix interference. See Blank Spike.

RPD(s) for MSD for 2-Chloroethyl vinyl ether are outside control limits for sample F49499-1MSD. Probable cause due to sample homogeneity.

F49499-4: Sample was not preserved to a pH < 2; reported results are considered minimum values.

F49499-7: Sample was not preserved to a pH < 2; reported results are considered minimum values.

F49499-5: Sample was not preserved to a pH < 2; reported results are considered minimum values.

F49499-2: Sample was not preserved to a pH < 2; reported results are considered minimum values.

Matrix: AQ **Batch ID:** VJ2133

All method blanks for this batch meet method specific criteria.

Sample(s) F49657-1MS, F49657-1MSD were used as the QC samples indicated.

The following samples were run outside of holding time for method SW846 8260B: F49499-6, F49499-1 Sample re-analyzed beyond hold time; reported results are considered minimum values.

BS/MS/MSD for Acrolein and Vinyl Acetate are outside control limits. Biased high, not detected in the samples, data integrity not adversely affected.

Matrix Spike Recovery(s) for 2-Chloroethyl vinyl ether, Methyl bromide are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 2-Chloroethyl vinyl ether are outside control limits. Probable cause due to matrix interference. See Blank Spike for method performance in clean matrix.

F49499-1: Sample re-analyzed beyond hold time; reported results are considered minimum values.

Extractables by GCMS By Method SW846 8270C

Matrix: AQ **Batch ID:** OP20601

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F49469-1MS, F49469-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

MS and/or MSD Recovery(s) for 3,3'-Dichlorobenzidine, Benzidine are outside control limits. Probable cause due to matrix interference. See Blank Spike.

Sample(s) OP20601-MSD, OP20642-MS, OP20642-MSD, F49499-5, F49499-4 have surrogates outside control limits. Probable cause due to matrix interference.

Matrix: AQ **Batch ID:** OP20642

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F49587-1MS, F49587-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

MS and/or MSD Recovery(s) for Benzidine, Phenol are outside control limits. Probable cause due to matrix interference.

Sample(s) OP20601-MSD, OP20642-MS, OP20642-MSD, F49499-5, F49499-4 have surrogates outside control limits. Probable cause due to matrix interference.

F49499-4: Dilution required due to matrix interference.

F49499-5: Confirmed by re-extraction and reanalysis beyond holdtime.

F49499-4 for 2-Fluorobiphenyl: Outside control limits due to dilution.

F49499-4 for Nitrobenzene-d5: Outside control limits due to dilution.

F49499-4 for Phenol-d5: Outside control limits due to dilution.

F49499-4 for Terphenyl-d14: Outside control limits due to dilution.

F49499-4 for 2-Fluorophenol: Outside control limits due to dilution.

F49499-4 for 2,4,6-Tribromophenol: Outside control limits due to dilution.

Matrix: AQ **Batch ID:** OP20795

The following samples were extracted outside of holding time for method SW846 8270C: F49499-5

Sample(s) OP20601-MSD, OP20642-MS, OP20642-MSD, F49499-5, F49499-4 have surrogates outside control limits. Probable cause due to matrix interference.

F49499-5: Confirmation run.

Volatiles by GC By Method SW846 8015

Matrix: AQ **Batch ID:** GCD3205

Sample(s) F49499-2 have surrogates outside control limits. Probable cause due to matrix interference.

F49499-2: Confirmation run.

F49499-2 for 4-Bromofluorobenzene: Outside control limits due to matrix interference. Confirmed by reanalysis.

Matrix: AQ **Batch ID:** GCD3206

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49499-2 have surrogates outside control limits. Probable cause due to matrix interference.

F49499-2 for 4-Bromofluorobenzene: Outside control limits due to matrix interference. Confirmed by reanalysis.

Matrix: AQ **Batch ID:** GHH1154

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49499-1MS, F49499-1MSD were used as the QC samples indicated.

Sample(s) F49499-2 have surrogates outside control limits. Probable cause due to matrix interference.

F49499-5: Sample was not preserved to a pH < 2; reported results are considered minimum values.

F49499-6: Sample was not preserved to a pH < 2; reported results are considered minimum values.

F49499-7: Sample was not preserved to a pH < 2; reported results are considered minimum values.

Extractables by GC By Method SW846 8015 M

Matrix: AQ **Batch ID:** OP20593

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F49469-1MS, F49469-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Metals By Method SW846 6010B

Matrix: AQ **Batch ID:** MP12050

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49499-1DUP, F49499-1MS, F49499-1MSD, F49499-1SDL were used as the QC samples for metals.

MS/MSD Recovery(s) for Selenium, Silver are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

RPD(s) for Duplicate for Chromium are outside control limits for sample MP12050-D1. RPD acceptable due to low duplicate and sample concentrations.

RPD(s) for Serial Dilution for Arsenic, Barium, Chromium are outside control limits for sample MP12050-SD1. Percent

difference acceptable due to low initial sample concentration (< 50 times IDL).

Metals By Method SW846 7470A

Matrix: AQ **Batch ID:** MP12017

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49499-1DUP, F49499-1MS, F49499-1MSD, F49499-1SDL were used as the QC samples for metals.

Wet Chemistry By Method EPA 160.1

Matrix: AQ **Batch ID:** GN25481

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49499-1DUP were used as the QC samples for Solids, Total Dissolved.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: June 05, 2007

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-TMW62		
Lab Sample ID:	F49499-1	**Date Sampled:**	05/10/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J029935.D	2	05/24/07	JG	n/a	n/a	VJ2132
Run #2 [a]	J029964.D	20	05/25/07	JG	n/a	n/a	VJ2133

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	23.0	50	10	ug/l	J
75-05-8	Acetonitrile	ND	40	20	ug/l	
107-02-8	Acrolein	ND	40	20	ug/l	
107-13-1	Acrylonitrile	ND	20	10	ug/l	
107-05-1	Allyl chloride	ND	20	10	ug/l	
71-43-2	Benzene	435 [b]	20	10	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	1.0	ug/l	
108-86-1	Bromobenzene	ND	2.0	1.0	ug/l	
74-97-5	Bromochloromethane	ND	2.0	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	1.0	ug/l	
75-25-2	Bromoform	ND	2.0	1.0	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	1.0	ug/l	
135-98-8	sec-Butylbenzene	5.4	2.0	1.0	ug/l	
98-06-6	tert-Butylbenzene	4.3	2.0	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	1.0	ug/l	
75-00-3	Chloroethane	ND	4.0	2.0	ug/l	
67-66-3	Chloroform	ND	2.0	1.0	ug/l	
544-10-5	1-Chlorohexane	49.0	4.0	2.0	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	1.0	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	1.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	10	5.0	ug/l	
75-15-0	Carbon disulfide	ND	4.0	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	1.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	1.0	ug/l	
563-58-6	1,1-Dichloropropene	ND	2.0	1.0	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.0	2.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	9.3	2.0	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	1.0	ug/l	
142-28-9	1,3-Dichloropropane	ND	2.0	1.0	ug/l	
594-20-7	2,2-Dichloropropane	ND	2.0	1.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW62		
Lab Sample ID:	F49499-1	**Date Sampled:**	05/10/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	2.0	0.80	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	2.0	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.60	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	20	10	ug/l	
541-73-1	m-Dichlorobenzene	ND	2.0	1.0	ug/l	
95-50-1	o-Dichlorobenzene	ND	2.0	1.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	2.0	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.60	ug/l	
100-41-4	Ethylbenzene	15.8	2.0	1.0	ug/l	
97-63-2	Ethyl methacrylate	ND	10	4.0	ug/l	
76-13-1	Freon 113	ND	2.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.0	1.0	ug/l	
110-54-3	Hexane	ND	4.0	2.0	ug/l	
98-82-8	Isopropylbenzene	744 [b]	20	10	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	5.0	ug/l	
126-98-7	Methacrylonitrile	ND	40	20	ug/l	
74-83-9	Methyl bromide	ND	4.0	2.0	ug/l	
74-87-3	Methyl chloride	ND	4.0	2.0	ug/l	
74-88-4	Methyl iodide	ND	10	5.0	ug/l	
80-62-6	Methyl methacrylate	ND	10	5.0	ug/l	
74-95-3	Methylene bromide	ND	4.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	1.0	ug/l	
91-20-3	Naphthalene	ND	4.0	2.0	ug/l	
76-01-7	Pentachloroethane	ND	20	10	ug/l	
107-12-0	Propionitrile	ND	40	20	ug/l	
103-65-1	n-Propylbenzene	2.6	2.0	1.0	ug/l	
100-42-5	Styrene	ND	2.0	1.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.80	ug/l	
79-00-5	1,1,2-Trichloroethane	1.2	2.0	1.0	ug/l	J
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	4.0	2.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	1.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW62		
Lab Sample ID:	F49499-1	**Date Sampled:**	05/10/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	4.0	2.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	4.0	2.0	ug/l	
127-18-4	Tetrachloroethylene	ND	2.0	1.0	ug/l	
108-88-3	Toluene	ND	2.0	1.0	ug/l	
79-01-6	Trichloroethylene	ND	2.0	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	4.0	1.0	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	20	10	ug/l	
75-01-4	Vinyl chloride	ND	2.0	1.0	ug/l	
108-05-4	Vinyl Acetate	ND	20	10	ug/l	
	m,p-Xylene	ND	4.0	1.0	ug/l	
95-47-6	o-Xylene	ND	2.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	101%	97%	76-127%
2037-26-5	Toluene-D8	100%	103%	86-112%
460-00-4	4-Bromofluorobenzene	105%	110%	84-120%

(a) Sample re-analyzed beyond hold time; reported results are considered minimum values.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW62		
Lab Sample ID:	F49499-1	**Date Sampled:**	05/10/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U002213.D	1	05/23/07	NJ	05/16/07	OP20601	SU111
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.6	ug/l	
95-57-8	2-Chlorophenol	ND	4.8	1.9	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.8	1.9	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.6	4.8	ug/l	
95-48-7	2-Methylphenol	ND	4.8	1.9	ug/l	
	3&4-Methylphenol	ND	4.8	1.9	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.6	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.6	ug/l	
108-95-2	Phenol	5.0	4.8	1.9	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.8	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.96	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.96	ug/l	
120-12-7	Anthracene	ND	4.8	0.96	ug/l	
92-87-5	Benzidine	ND	24	14	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.96	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.96	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.96	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.96	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
100-51-6	Benzyl Alcohol	ND	4.8	0.96	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.96	ug/l	
106-47-8	4-Chloroaniline	ND	9.6	3.8	ug/l	
218-01-9	Chrysene	ND	4.8	0.96	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.8	0.96	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.8	1.9	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW62		
Lab Sample ID:	F49499-1	**Date Sampled:**	05/10/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.8	0.96	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.8	0.96	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.96	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.96	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.96	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.6	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.96	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.8	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.8	2.4	ug/l	
84-66-2	Diethyl phthalate	ND	4.8	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.8	1.9	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.8	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	0.96	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.96	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.96	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.96	ug/l	
88-74-4	2-Nitroaniline	ND	9.6	3.8	ug/l	
99-09-2	3-Nitroaniline	ND	9.6	3.8	ug/l	
100-01-6	4-Nitroaniline	ND	9.6	3.8	ug/l	
91-20-3	Naphthalene	ND	4.8	0.96	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.96	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.96	ug/l	
129-00-0	Pyrene	ND	4.8	0.96	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	0.96	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	32%		14-62%
4165-62-2	Phenol-d5	25%		10-40%
118-79-6	2,4,6-Tribromophenol	73%		33-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW62		
Lab Sample ID:	F49499-1	**Date Sampled:**	05/10/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	59%		42-108%
321-60-8	2-Fluorobiphenyl	60%		40-106%
1718-51-0	Terphenyl-d14	63%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW62		
Lab Sample ID:	F49499-1	**Date Sampled:**	05/10/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH026273.D	10	05/22/07	TD	n/a	n/a	GHH1154
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	2.51	1.0	0.50	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%		57-129%
98-08-8	aaa-Trifluorotoluene	81%		58-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW62		
Lab Sample ID:	F49499-1	**Date Sampled:**	05/10/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02414.D	1	05/17/07	MG	05/16/07	OP20593	GYY93
Run #2							

	Initial Volume	Final Volume
Run #1	1010 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	0.281	0.25	0.099	mg/l	
	TPH (> C22-C36)	0.163	0.25	0.099	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		42-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SS61-TMW62
Lab Sample ID: F49499-1
Matrix: AQ - Ground Water
Project: HOLMN

Date Sampled: 05/10/07
Date Received: 05/12/07
Percent Solids: n/a

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	13.5	10	2.8	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Barium	17.1 J	200	5.0	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Cadmium	1.0 U	5.0	1.0	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Chromium	1.1 J	10	0.60	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Lead	1.7 U	5.0	1.7	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Mercury	0.10 U	1.0	0.10	ug/l	1	05/18/07	05/18/07	MS	SW846 7470A [1]	SW846 7470A [3]
Selenium	2.8 U	10	2.8	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Silver	0.90 U	10	0.90	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA5723
(2) Instrument QC Batch: MA5732
(3) Prep QC Batch: MP12017
(4) Prep QC Batch: MP12050

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-TMW62		
Lab Sample ID:	F49499-1	**Date Sampled:**	05/10/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
		Percent Solids:	n/a
Project:	HOLMN		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	14600	100	10	mg/l	1	05/16/07 10:15	LE	EPA 160.1

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-TMW63		
Lab Sample ID:	F49499-2	**Date Sampled:**	05/10/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J029943.D	500	05/24/07	JG	n/a	n/a	VJ2132
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	13000	2500	ug/l	
75-05-8	Acetonitrile	ND	10000	5000	ug/l	
107-02-8	Acrolein	ND	10000	5000	ug/l	
107-13-1	Acrylonitrile	ND	5000	2500	ug/l	
107-05-1	Allyl chloride	ND	5000	2500	ug/l	
71-43-2	Benzene	12900	500	250	ug/l	
100-44-7	Benzyl Chloride	ND	500	250	ug/l	
108-86-1	Bromobenzene	ND	500	250	ug/l	
74-97-5	Bromochloromethane	ND	500	250	ug/l	
75-27-4	Bromodichloromethane	ND	500	250	ug/l	
75-25-2	Bromoform	ND	500	250	ug/l	
104-51-8	n-Butylbenzene	ND	500	250	ug/l	
135-98-8	sec-Butylbenzene	ND	500	250	ug/l	
98-06-6	tert-Butylbenzene	ND	500	250	ug/l	
108-90-7	Chlorobenzene	ND	500	250	ug/l	
75-00-3	Chloroethane	ND	1000	500	ug/l	
67-66-3	Chloroform	ND	500	250	ug/l	
544-10-5	1-Chlorohexane	ND	1000	500	ug/l	
95-49-8	o-Chlorotoluene	ND	500	250	ug/l	
106-43-4	p-Chlorotoluene	ND	500	250	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	2500	1300	ug/l	
75-15-0	Carbon disulfide	ND	1000	500	ug/l	
56-23-5	Carbon tetrachloride	ND	500	250	ug/l	
75-34-3	1,1-Dichloroethane	ND	500	250	ug/l	
75-35-4	1,1-Dichloroethylene	ND	500	250	ug/l	
563-58-6	1,1-Dichloropropene	ND	500	250	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1000	500	ug/l	
106-93-4	1,2-Dibromoethane	ND	500	250	ug/l	
107-06-2	1,2-Dichloroethane	ND	500	250	ug/l	
78-87-5	1,2-Dichloropropane	ND	500	250	ug/l	
142-28-9	1,3-Dichloropropane	ND	500	250	ug/l	
594-20-7	2,2-Dichloropropane	ND	500	250	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW63		
Lab Sample ID:	F49499-2	**Date Sampled:**	05/10/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	500	200	ug/l	
75-71-8	Dichlorodifluoromethane	ND	500	250	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	500	250	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	500	150	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	5000	2500	ug/l	
541-73-1	m-Dichlorobenzene	ND	500	250	ug/l	
95-50-1	o-Dichlorobenzene	ND	500	250	ug/l	
106-46-7	p-Dichlorobenzene	ND	500	250	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	500	250	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	500	150	ug/l	
100-41-4	Ethylbenzene	1510	500	250	ug/l	
97-63-2	Ethyl methacrylate	ND	2500	1000	ug/l	
76-13-1	Freon 113	ND	500	250	ug/l	
591-78-6	2-Hexanone	ND	2500	1300	ug/l	
87-68-3	Hexachlorobutadiene	ND	1000	250	ug/l	
110-54-3	Hexane	ND	1000	500	ug/l	
98-82-8	Isopropylbenzene	1400	500	250	ug/l	
99-87-6	p-Isopropyltoluene	ND	500	250	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2500	1300	ug/l	
126-98-7	Methacrylonitrile	ND	10000	5000	ug/l	
74-83-9	Methyl bromide	ND	1000	500	ug/l	
74-87-3	Methyl chloride	ND	1000	500	ug/l	
74-88-4	Methyl iodide	ND	2500	1300	ug/l	
80-62-6	Methyl methacrylate	ND	2500	1300	ug/l	
74-95-3	Methylene bromide	ND	1000	250	ug/l	
75-09-2	Methylene chloride	524	2500	500	ug/l	J
78-93-3	Methyl ethyl ketone	ND	2500	1300	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	500	250	ug/l	
91-20-3	Naphthalene	ND	1000	500	ug/l	
76-01-7	Pentachloroethane	ND	5000	2500	ug/l	
107-12-0	Propionitrile	ND	10000	5000	ug/l	
103-65-1	n-Propylbenzene	ND	500	250	ug/l	
100-42-5	Styrene	ND	500	250	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	500	250	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	500	250	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	500	200	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	500	250	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	500	250	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	1000	500	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	500	250	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW63		
Lab Sample ID:	F49499-2	**Date Sampled:**	05/10/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	1000	500	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1000	500	ug/l	
127-18-4	Tetrachloroethylene	ND	500	250	ug/l	
108-88-3	Toluene	ND	500	250	ug/l	
79-01-6	Trichloroethylene	ND	500	250	ug/l	
75-69-4	Trichlorofluoromethane	ND	1000	250	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	5000	2500	ug/l	
75-01-4	Vinyl chloride	ND	500	250	ug/l	
108-05-4	Vinyl Acetate	ND	5000	2500	ug/l	
	m,p-Xylene	ND	1000	250	ug/l	
95-47-6	o-Xylene	ND	500	250	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		87-116%
17060-07-0	1,2-Dichloroethane-D4	102%		76-127%
2037-26-5	Toluene-D8	100%		86-112%
460-00-4	4-Bromofluorobenzene	109%		84-120%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW63		
Lab Sample ID:	F49499-2	**Date Sampled:**	05/10/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U002214.D	1	05/23/07	NJ	05/16/07	OP20601	SU111
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.6	ug/l	
95-57-8	2-Chlorophenol	ND	4.8	1.9	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.8	1.9	ug/l	
105-67-9	2,4-Dimethylphenol	2.5	4.8	1.9	ug/l	J
51-28-5	2,4-Dinitrophenol	ND	24	9.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.6	4.8	ug/l	
95-48-7	2-Methylphenol	ND	4.8	1.9	ug/l	
	3&4-Methylphenol	ND	4.8	1.9	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.6	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.6	ug/l	
108-95-2	Phenol	4.9	4.8	1.9	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.8	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.96	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.96	ug/l	
120-12-7	Anthracene	ND	4.8	0.96	ug/l	
92-87-5	Benzidine	ND	24	14	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.96	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.96	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.96	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.96	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
100-51-6	Benzyl Alcohol	ND	4.8	0.96	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.96	ug/l	
106-47-8	4-Chloroaniline	ND	9.6	3.8	ug/l	
218-01-9	Chrysene	ND	4.8	0.96	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.8	0.96	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.8	1.9	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW63		
Lab Sample ID:	F49499-2	**Date Sampled:**	05/10/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.8	0.96	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.8	0.96	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.96	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.96	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.96	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.6	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.96	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.8	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.8	2.4	ug/l	
84-66-2	Diethyl phthalate	ND	4.8	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.8	1.9	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.8	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	0.96	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.96	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.96	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.96	ug/l	
88-74-4	2-Nitroaniline	ND	9.6	3.8	ug/l	
99-09-2	3-Nitroaniline	ND	9.6	3.8	ug/l	
100-01-6	4-Nitroaniline	ND	9.6	3.8	ug/l	
91-20-3	Naphthalene	3.8	4.8	0.96	ug/l	J
98-95-3	Nitrobenzene	ND	4.8	0.96	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.96	ug/l	
129-00-0	Pyrene	ND	4.8	0.96	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	0.96	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	27%		14-62%
4165-62-2	Phenol-d5	23%		10-40%
118-79-6	2,4,6-Tribromophenol	74%		33-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW63		
Lab Sample ID:	F49499-2	**Date Sampled:**	05/10/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	60%		42-108%
321-60-8	2-Fluorobiphenyl	62%		40-106%
1718-51-0	Terphenyl-d14	58%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW63		
Lab Sample ID:	F49499-2	**Date Sampled:**	05/10/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD077310.D	100	05/24/07	MM	n/a	n/a	GCD3206
Run #2 [a]	CD077297.D	100	05/23/07	MM	n/a	n/a	GCD3205

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	56.6	10	5.0	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	341% [b]	267% [b]	57-129%
98-08-8	aaa-Trifluorotoluene	97%	98%	58-120%

(a) Confirmation run.
(b) Outside control limits due to matrix interference. Confirmed by reanalysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW63		
Lab Sample ID:	F49499-2	**Date Sampled:**	05/10/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02415.D	5	05/17/07	MG	05/16/07	OP20593	GYY93
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	1.70	1.2	0.48	mg/l	
	TPH (> C22-C36)	ND	1.2	0.48	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	74%		42-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SS61-TMW63
Lab Sample ID: F49499-2
Matrix: AQ - Ground Water
Project: HOLMN

Date Sampled: 05/10/07
Date Received: 05/12/07
Percent Solids: n/a

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	5.2 J	10	2.8	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Barium	13.8 J	200	5.0	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Cadmium	1.0 U	5.0	1.0	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Chromium	1.7 J	10	0.60	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Lead	3.4 J	5.0	1.7	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Mercury	0.10 U	1.0	0.10	ug/l	1	05/18/07	05/18/07	MS	SW846 7470A [1]	SW846 7470A [3]
Selenium	2.8 U	10	2.8	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Silver	0.90 U	10	0.90	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA5723
(2) Instrument QC Batch: MA5732
(3) Prep QC Batch: MP12017
(4) Prep QC Batch: MP12050

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-TMW63		
Lab Sample ID:	F49499-2	**Date Sampled:**	05/10/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
		Percent Solids:	n/a
Project:	HOLMN		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved [a]	10500	100	10	mg/l	1	05/16/07 10:15	LE	EPA 160.1

(a) Confirmed by reanalysis.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-TMW64		
Lab Sample ID:	F49499-3	**Date Sampled:**	05/10/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J029948.D	1	05/24/07	JG	n/a	n/a	VJ2132
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	11.5	25	5.0	ug/l	J
75-05-8	Acetonitrile	ND	20	10	ug/l	
107-02-8	Acrolein	ND	20	10	ug/l	
107-13-1	Acrylonitrile	ND	10	5.0	ug/l	
107-05-1	Allyl chloride	ND	10	5.0	ug/l	
71-43-2	Benzene	1.6	1.0	0.50	ug/l	
100-44-7	Benzyl Chloride	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	2.0	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	0.79	1.0	0.50	ug/l	J
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	1.0	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW64		
Lab Sample ID:	F49499-3	**Date Sampled:**	05/10/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	2.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
110-54-3	Hexane	ND	2.0	1.0	ug/l	
98-82-8	Isopropylbenzene	8.6	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
126-98-7	Methacrylonitrile	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
74-88-4	Methyl iodide	ND	5.0	2.5	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	2.5	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	5.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW64		
Lab Sample ID:	F49499-3	**Date Sampled:**	05/10/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	10	5.0	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		87-116%
17060-07-0	1,2-Dichloroethane-D4	99%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	110%		84-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW64		
Lab Sample ID:	F49499-3	**Date Sampled:**	05/10/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U002215.D	1	05/23/07	NJ	05/16/07	OP20601	SU111
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.6	ug/l	
95-57-8	2-Chlorophenol	ND	4.8	1.9	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.8	1.9	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.6	4.8	ug/l	
95-48-7	2-Methylphenol	ND	4.8	1.9	ug/l	
	3&4-Methylphenol	ND	4.8	1.9	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.6	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.6	ug/l	
108-95-2	Phenol	ND	4.8	1.9	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.8	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.96	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.96	ug/l	
120-12-7	Anthracene	ND	4.8	0.96	ug/l	
92-87-5	Benzidine	ND	24	14	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.96	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.96	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.96	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.96	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
100-51-6	Benzyl Alcohol	ND	4.8	0.96	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.96	ug/l	
106-47-8	4-Chloroaniline	ND	9.6	3.8	ug/l	
218-01-9	Chrysene	ND	4.8	0.96	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.8	0.96	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.8	1.9	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW64		
Lab Sample ID:	F49499-3	**Date Sampled:**	05/10/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.8	0.96	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.8	0.96	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.96	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.96	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.96	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.6	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	ug/l	
132-64-9	Dibenzofuran	1.0	4.8	0.96	ug/l	J
84-74-2	Di-n-butyl phthalate	ND	4.8	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.8	2.4	ug/l	
84-66-2	Diethyl phthalate	ND	4.8	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.8	1.9	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.8	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	0.96	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.96	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.96	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.96	ug/l	
88-74-4	2-Nitroaniline	ND	9.6	3.8	ug/l	
99-09-2	3-Nitroaniline	ND	9.6	3.8	ug/l	
100-01-6	4-Nitroaniline	ND	9.6	3.8	ug/l	
91-20-3	Naphthalene	ND	4.8	0.96	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.96	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.96	ug/l	
129-00-0	Pyrene	ND	4.8	0.96	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	0.96	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	28%		14-62%
4165-62-2	Phenol-d5	19%		10-40%
118-79-6	2,4,6-Tribromophenol	75%		33-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW64		
Lab Sample ID:	F49499-3	**Date Sampled:**	05/10/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	59%		42-108%
321-60-8	2-Fluorobiphenyl	59%		40-106%
1718-51-0	Terphenyl-d14	56%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW64		
Lab Sample ID:	F49499-3	**Date Sampled:**	05/10/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH026276.D	1	05/22/07	TD	n/a	n/a	GHH1154
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.331	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	103%		57-129%
98-08-8	aaa-Trifluorotoluene	98%		58-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW64		
Lab Sample ID:	F49499-3	**Date Sampled:**	05/10/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02418.D	1	05/18/07	MG	05/16/07	OP20593	GYY93
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	0.143	0.24	0.096	mg/l	J
	TPH (> C22-C36)	0.145	0.24	0.096	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	84%		42-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW64		
Lab Sample ID:	F49499-3	**Date Sampled:**	05/10/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
		Percent Solids:	n/a
Project:	HOLMN		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	14.1	10	2.8	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Barium	13.6 J	200	5.0	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Cadmium	1.0 U	5.0	1.0	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Chromium	0.60 U	10	0.60	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Lead	1.7 U	5.0	1.7	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Mercury	0.10 U	1.0	0.10	ug/l	1	05/18/07	05/18/07	MS	SW846 7470A [1]	SW846 7470A [3]
Selenium	2.8 U	10	2.8	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Silver	0.90 U	10	0.90	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA5723
(2) Instrument QC Batch: MA5732
(3) Prep QC Batch: MP12017
(4) Prep QC Batch: MP12050

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-TMW64		
Lab Sample ID:	F49499-3	**Date Sampled:**	05/10/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
		Percent Solids:	n/a
Project:	HOLMN		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	4790	100	10	mg/l	1	05/16/07 10:15	LE	EPA 160.1

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-TMW65		
Lab Sample ID:	F49499-4	**Date Sampled:**	05/11/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J029944.D	20	05/24/07	JG	n/a	n/a	VJ2132
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	500	100	ug/l	
75-05-8	Acetonitrile	ND	400	200	ug/l	
107-02-8	Acrolein	ND	400	200	ug/l	
107-13-1	Acrylonitrile	ND	200	100	ug/l	
107-05-1	Allyl chloride	ND	200	100	ug/l	
71-43-2	Benzene	ND	20	10	ug/l	
100-44-7	Benzyl Chloride	ND	20	10	ug/l	
108-86-1	Bromobenzene	ND	20	10	ug/l	
74-97-5	Bromochloromethane	ND	20	10	ug/l	
75-27-4	Bromodichloromethane	ND	20	10	ug/l	
75-25-2	Bromoform	ND	20	10	ug/l	
104-51-8	n-Butylbenzene	ND	20	10	ug/l	
135-98-8	sec-Butylbenzene	ND	20	10	ug/l	
98-06-6	tert-Butylbenzene	ND	20	10	ug/l	
108-90-7	Chlorobenzene	ND	20	10	ug/l	
75-00-3	Chloroethane	ND	40	20	ug/l	
67-66-3	Chloroform	ND	20	10	ug/l	
544-10-5	1-Chlorohexane	ND	40	20	ug/l	
95-49-8	o-Chlorotoluene	ND	20	10	ug/l	
106-43-4	p-Chlorotoluene	ND	20	10	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	100	50	ug/l	
75-15-0	Carbon disulfide	ND	40	20	ug/l	
56-23-5	Carbon tetrachloride	ND	20	10	ug/l	
75-34-3	1,1-Dichloroethane	ND	20	10	ug/l	
75-35-4	1,1-Dichloroethylene	ND	20	10	ug/l	
563-58-6	1,1-Dichloropropene	ND	20	10	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	40	20	ug/l	
106-93-4	1,2-Dibromoethane	ND	20	10	ug/l	
107-06-2	1,2-Dichloroethane	ND	20	10	ug/l	
78-87-5	1,2-Dichloropropane	ND	20	10	ug/l	
142-28-9	1,3-Dichloropropane	ND	20	10	ug/l	
594-20-7	2,2-Dichloropropane	ND	20	10	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW65		
Lab Sample ID:	F49499-4	**Date Sampled:**	05/11/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	20	8.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	20	10	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	20	10	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	6.0	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	200	100	ug/l	
541-73-1	m-Dichlorobenzene	673	20	10	ug/l	
95-50-1	o-Dichlorobenzene	1750	20	10	ug/l	
106-46-7	p-Dichlorobenzene	771	20	10	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	20	10	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	6.0	ug/l	
100-41-4	Ethylbenzene	ND	20	10	ug/l	
97-63-2	Ethyl methacrylate	ND	100	40	ug/l	
76-13-1	Freon 113	ND	20	10	ug/l	
591-78-6	2-Hexanone	ND	100	50	ug/l	
87-68-3	Hexachlorobutadiene	ND	40	10	ug/l	
110-54-3	Hexane	ND	40	20	ug/l	
98-82-8	Isopropylbenzene	ND	20	10	ug/l	
99-87-6	p-Isopropyltoluene	ND	20	10	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	100	50	ug/l	
126-98-7	Methacrylonitrile	ND	400	200	ug/l	
74-83-9	Methyl bromide	ND	40	20	ug/l	
74-87-3	Methyl chloride	ND	40	20	ug/l	
74-88-4	Methyl iodide	ND	100	50	ug/l	
80-62-6	Methyl methacrylate	ND	100	50	ug/l	
74-95-3	Methylene bromide	ND	40	10	ug/l	
75-09-2	Methylene chloride	20.7	100	20	ug/l	J
78-93-3	Methyl ethyl ketone	ND	100	50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	20	10	ug/l	
91-20-3	Naphthalene	ND	40	20	ug/l	
76-01-7	Pentachloroethane	ND	200	100	ug/l	
107-12-0	Propionitrile	ND	400	200	ug/l	
103-65-1	n-Propylbenzene	ND	20	10	ug/l	
100-42-5	Styrene	ND	20	10	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	20	10	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	20	10	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	8.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	20	10	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	20	10	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	40	20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	20	10	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW65		
Lab Sample ID:	F49499-4	**Date Sampled:**	05/11/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	40	20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	40	20	ug/l	
127-18-4	Tetrachloroethylene	ND	20	10	ug/l	
108-88-3	Toluene	ND	20	10	ug/l	
79-01-6	Trichloroethylene	ND	20	10	ug/l	
75-69-4	Trichlorofluoromethane	ND	40	10	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	200	100	ug/l	
75-01-4	Vinyl chloride	ND	20	10	ug/l	
108-05-4	Vinyl Acetate	ND	200	100	ug/l	
	m,p-Xylene	ND	40	10	ug/l	
95-47-6	o-Xylene	ND	20	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		87-116%
17060-07-0	1,2-Dichloroethane-D4	101%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	108%		84-120%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW65		
Lab Sample ID:	F49499-4	**Date Sampled:**	05/11/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L036550.D	1	05/23/07	RB	05/18/07	OP20642	SL1874
Run #2 [a]	L036585.D	20	05/24/07	RB	05/18/07	OP20642	SL1875

	Initial Volume	Final Volume
Run #1	940 ml	1.0 ml
Run #2	940 ml	1.0 ml

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	27	11	ug/l	
95-57-8	2-Chlorophenol	ND	5.3	2.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.3	2.1	ug/l	
120-83-2	2,4-Dichlorophenol	22.0	5.3	2.1	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.3	2.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	27	11	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	11	5.3	ug/l	
95-48-7	2-Methylphenol	ND	5.3	2.1	ug/l	
	3&4-Methylphenol	ND	5.3	2.1	ug/l	
88-75-5	2-Nitrophenol	ND	5.3	2.1	ug/l	
100-02-7	4-Nitrophenol	ND	27	11	ug/l	
87-86-5	Pentachlorophenol	ND	27	11	ug/l	
108-95-2	Phenol	ND	5.3	2.1	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.3	2.1	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.3	2.1	ug/l	
83-32-9	Acenaphthene	5.3	5.3	1.1	ug/l	
208-96-8	Acenaphthylene	ND	5.3	1.1	ug/l	
120-12-7	Anthracene	ND	5.3	1.1	ug/l	
92-87-5	Benzidine	ND	27	16	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.3	1.1	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.3	1.1	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.3	1.1	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.3	2.1	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.3	1.1	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.3	1.1	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.3	2.1	ug/l	
100-51-6	Benzyl Alcohol	ND	5.3	1.1	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.3	1.1	ug/l	
106-47-8	4-Chloroaniline	ND	11	4.3	ug/l	
218-01-9	Chrysene	ND	5.3	1.1	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.3	1.1	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.3	2.1	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW65		
Lab Sample ID:	F49499-4	**Date Sampled:**	05/11/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.3	1.1	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.3	1.1	ug/l	
95-50-1	1,2-Dichlorobenzene	1500 [b]	110	21	ug/l	
541-73-1	1,3-Dichlorobenzene	619 [b]	110	21	ug/l	
106-46-7	1,4-Dichlorobenzene	695 [b]	110	21	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.3	2.1	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.3	2.1	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	11	5.3	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.3	2.1	ug/l	
132-64-9	Dibenzofuran	13.9	5.3	1.1	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.3	2.1	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.3	2.7	ug/l	
84-66-2	Diethyl phthalate	ND	5.3	2.1	ug/l	
131-11-3	Dimethyl phthalate	ND	5.3	2.1	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.3	2.7	ug/l	
206-44-0	Fluoranthene	ND	5.3	1.1	ug/l	
86-73-7	Fluorene	5.2	5.3	1.1	ug/l	J
118-74-1	Hexachlorobenzene	ND	5.3	1.1	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.3	2.1	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.3	2.1	ug/l	
67-72-1	Hexachloroethane	ND	5.3	2.1	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.3	2.1	ug/l	
78-59-1	Isophorone	ND	5.3	1.1	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.3	1.1	ug/l	
88-74-4	2-Nitroaniline	ND	11	4.3	ug/l	
99-09-2	3-Nitroaniline	ND	11	4.3	ug/l	
100-01-6	4-Nitroaniline	ND	11	4.3	ug/l	
91-20-3	Naphthalene	ND	5.3	1.1	ug/l	
98-95-3	Nitrobenzene	ND	5.3	1.1	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.3	2.1	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.3	2.1	ug/l	
85-01-8	Phenanthrene	3.1	5.3	1.1	ug/l	J
129-00-0	Pyrene	ND	5.3	1.1	ug/l	
120-82-1	1,2,4-Trichlorobenzene	5.5	5.3	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	38%	0% [c]	14-62%
4165-62-2	Phenol-d5	28%	0% [c]	10-40%
118-79-6	2,4,6-Tribromophenol	90%	0% [c]	33-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW65		
Lab Sample ID:	F49499-4	**Date Sampled:**	05/11/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	76%	0% [c]	42-108%
321-60-8	2-Fluorobiphenyl	73%	0% [c]	40-106%
1718-51-0	Terphenyl-d14	55%	0% [c]	39-121%

(a) Dilution required due to matrix interference.
(b) Result is from Run# 2
(c) Outside control limits due to dilution.

Report of Analysis

Client Sample ID:	SS61-TMW65		
Lab Sample ID:	F49499-4	**Date Sampled:**	05/11/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH026277.D	1	05/22/07	TD	n/a	n/a	GHH1154
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.416	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	118%		57-129%
98-08-8	aaa-Trifluorotoluene	101%		58-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW65		
Lab Sample ID:	F49499-4	**Date Sampled:**	05/11/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02514.D	4	05/24/07	MG	05/16/07	OP20593	GYY97
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	2.73	1.0	0.40	mg/l	
	TPH (> C22-C36)	0.556	1.0	0.40	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	67%		42-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SS61-TMW65
Lab Sample ID: F49499-4
Matrix: AQ - Ground Water
Project: HOLMN

Date Sampled: 05/11/07
Date Received: 05/12/07
Percent Solids: n/a

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	5.0 J	10	2.8	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Barium	21.8 J	200	5.0	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Cadmium	1.0 U	5.0	1.0	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Chromium	0.60 U	10	0.60	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Lead	1.7 U	5.0	1.7	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Mercury	0.10 U	1.0	0.10	ug/l	1	05/18/07	05/18/07	MS	SW846 7470A [1]	SW846 7470A [3]
Selenium	2.8 U	10	2.8	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Silver	0.90 U	10	0.90	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA5723
(2) Instrument QC Batch: MA5732
(3) Prep QC Batch: MP12017
(4) Prep QC Batch: MP12050

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-TMW65		
Lab Sample ID:	F49499-4	**Date Sampled:**	05/11/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
		Percent Solids:	n/a
Project:	HOLMN		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	3020	100	10	mg/l	1	05/16/07 10:15	LE	EPA 160.1

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-TMW67		
Lab Sample ID:	F49499-5	**Date Sampled:**	05/11/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J029945.D	500	05/24/07	JG	n/a	n/a	VJ2132
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	13000	2500	ug/l	
75-05-8	Acetonitrile	ND	10000	5000	ug/l	
107-02-8	Acrolein	ND	10000	5000	ug/l	
107-13-1	Acrylonitrile	ND	5000	2500	ug/l	
107-05-1	Allyl chloride	ND	5000	2500	ug/l	
71-43-2	Benzene	12900	500	250	ug/l	
100-44-7	Benzyl Chloride	ND	500	250	ug/l	
108-86-1	Bromobenzene	ND	500	250	ug/l	
74-97-5	Bromochloromethane	ND	500	250	ug/l	
75-27-4	Bromodichloromethane	ND	500	250	ug/l	
75-25-2	Bromoform	ND	500	250	ug/l	
104-51-8	n-Butylbenzene	ND	500	250	ug/l	
135-98-8	sec-Butylbenzene	ND	500	250	ug/l	
98-06-6	tert-Butylbenzene	ND	500	250	ug/l	
108-90-7	Chlorobenzene	ND	500	250	ug/l	
75-00-3	Chloroethane	ND	1000	500	ug/l	
67-66-3	Chloroform	ND	500	250	ug/l	
544-10-5	1-Chlorohexane	ND	1000	500	ug/l	
95-49-8	o-Chlorotoluene	ND	500	250	ug/l	
106-43-4	p-Chlorotoluene	ND	500	250	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	2500	1300	ug/l	
75-15-0	Carbon disulfide	ND	1000	500	ug/l	
56-23-5	Carbon tetrachloride	ND	500	250	ug/l	
75-34-3	1,1-Dichloroethane	ND	500	250	ug/l	
75-35-4	1,1-Dichloroethylene	ND	500	250	ug/l	
563-58-6	1,1-Dichloropropene	ND	500	250	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1000	500	ug/l	
106-93-4	1,2-Dibromoethane	ND	500	250	ug/l	
107-06-2	1,2-Dichloroethane	ND	500	250	ug/l	
78-87-5	1,2-Dichloropropane	ND	500	250	ug/l	
142-28-9	1,3-Dichloropropane	ND	500	250	ug/l	
594-20-7	2,2-Dichloropropane	ND	500	250	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW67		
Lab Sample ID:	F49499-5	**Date Sampled:**	05/11/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	500	200	ug/l	
75-71-8	Dichlorodifluoromethane	ND	500	250	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	500	250	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	500	150	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	5000	2500	ug/l	
541-73-1	m-Dichlorobenzene	ND	500	250	ug/l	
95-50-1	o-Dichlorobenzene	284	500	250	ug/l	J
106-46-7	p-Dichlorobenzene	ND	500	250	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	500	250	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	500	150	ug/l	
100-41-4	Ethylbenzene	916	500	250	ug/l	
97-63-2	Ethyl methacrylate	ND	2500	1000	ug/l	
76-13-1	Freon 113	ND	500	250	ug/l	
591-78-6	2-Hexanone	ND	2500	1300	ug/l	
87-68-3	Hexachlorobutadiene	ND	1000	250	ug/l	
110-54-3	Hexane	ND	1000	500	ug/l	
98-82-8	Isopropylbenzene	1890	500	250	ug/l	
99-87-6	p-Isopropyltoluene	ND	500	250	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2500	1300	ug/l	
126-98-7	Methacrylonitrile	ND	10000	5000	ug/l	
74-83-9	Methyl bromide	ND	1000	500	ug/l	
74-87-3	Methyl chloride	ND	1000	500	ug/l	
74-88-4	Methyl iodide	ND	2500	1300	ug/l	
80-62-6	Methyl methacrylate	ND	2500	1300	ug/l	
74-95-3	Methylene bromide	ND	1000	250	ug/l	
75-09-2	Methylene chloride	523	2500	500	ug/l	J
78-93-3	Methyl ethyl ketone	ND	2500	1300	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	500	250	ug/l	
91-20-3	Naphthalene	ND	1000	500	ug/l	
76-01-7	Pentachloroethane	ND	5000	2500	ug/l	
107-12-0	Propionitrile	ND	10000	5000	ug/l	
103-65-1	n-Propylbenzene	ND	500	250	ug/l	
100-42-5	Styrene	ND	500	250	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	500	250	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	500	250	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	500	200	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	500	250	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	500	250	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	1000	500	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	500	250	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW67		
Lab Sample ID:	F49499-5	**Date Sampled:**	05/11/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	1000	500	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1000	500	ug/l	
127-18-4	Tetrachloroethylene	ND	500	250	ug/l	
108-88-3	Toluene	ND	500	250	ug/l	
79-01-6	Trichloroethylene	ND	500	250	ug/l	
75-69-4	Trichlorofluoromethane	ND	1000	250	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	5000	2500	ug/l	
75-01-4	Vinyl chloride	ND	500	250	ug/l	
108-05-4	Vinyl Acetate	ND	5000	2500	ug/l	
	m,p-Xylene	ND	1000	250	ug/l	
95-47-6	o-Xylene	ND	500	250	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		87-116%
17060-07-0	1,2-Dichloroethane-D4	101%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	109%		84-120%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW67		
Lab Sample ID:	F49499-5	**Date Sampled:**	05/11/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	L036551.D	1	05/23/07	RB	05/18/07	OP20642	SL1874
Run #2 [b]	L036647.D	1	05/30/07	RB	05/30/07	OP20795	SL1878

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2	1000 ml	1.0 ml

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.6	ug/l	
95-57-8	2-Chlorophenol	ND	4.8	1.9	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.8	1.9	ug/l	
105-67-9	2,4-Dimethylphenol	4.8	4.8	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.6	4.8	ug/l	
95-48-7	2-Methylphenol	ND	4.8	1.9	ug/l	
	3&4-Methylphenol	ND	4.8	1.9	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.6	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.6	ug/l	
108-95-2	Phenol	21.4	4.8	1.9	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.8	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.96	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.96	ug/l	
120-12-7	Anthracene	ND	4.8	0.96	ug/l	
92-87-5	Benzidine	ND	24	14	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.96	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.96	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.96	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.96	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
100-51-6	Benzyl Alcohol	ND	4.8	0.96	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.96	ug/l	
106-47-8	4-Chloroaniline	ND	9.6	3.8	ug/l	
218-01-9	Chrysene	ND	4.8	0.96	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.8	0.96	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.8	1.9	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW67		
Lab Sample ID:	F49499-5	**Date Sampled:**	05/11/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.8	0.96	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.8	0.96	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.96	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.96	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.96	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.6	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.96	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.8	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.8	2.4	ug/l	
84-66-2	Diethyl phthalate	ND	4.8	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.8	1.9	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.8	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	0.96	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.96	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.96	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.96	ug/l	
88-74-4	2-Nitroaniline	ND	9.6	3.8	ug/l	
99-09-2	3-Nitroaniline	ND	9.6	3.8	ug/l	
100-01-6	4-Nitroaniline	ND	9.6	3.8	ug/l	
91-20-3	Naphthalene	3.7	4.8	0.96	ug/l	J
98-95-3	Nitrobenzene	ND	4.8	0.96	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.96	ug/l	
129-00-0	Pyrene	ND	4.8	0.96	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	0.96	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	34%	45%	14-62%
4165-62-2	Phenol-d5	25%	35%	10-40%
118-79-6	2,4,6-Tribromophenol	84%	93%	33-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW67		
Lab Sample ID:	F49499-5	**Date Sampled:**	05/11/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	73%	79%	42-108%
321-60-8	2-Fluorobiphenyl	69%	78%	40-106%
1718-51-0	Terphenyl-d14	33%	77%	39-121%

(a) Confirmed by re-extraction and reanalysis beyond holdtime.
(b) Confirmation run.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW67		
Lab Sample ID:	F49499-5	**Date Sampled:**	05/11/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	HH026279.D	50	05/22/07	TD	n/a	n/a	GHH1154
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	48.2	5.0	2.5	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	102%		57-129%
98-08-8	aaa-Trifluorotoluene	88%		58-120%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW67		
Lab Sample ID:	F49499-5	**Date Sampled:**	05/11/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02420.D	1	05/18/07	MG	05/16/07	OP20593	GYY93
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	1.74	0.25	0.10	mg/l	
	TPH (> C22-C36)	0.549	0.25	0.10	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		42-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SS61-TMW67
Lab Sample ID: F49499-5
Matrix: AQ - Ground Water
Project: HOLMN

Date Sampled: 05/11/07
Date Received: 05/12/07
Percent Solids: n/a

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.8 U	10	2.8	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Barium	17.3 J	200	5.0	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Cadmium	1.0 U	5.0	1.0	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Chromium	1.4 J	10	0.60	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Lead	1.7 U	5.0	1.7	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Mercury	0.10 U	1.0	0.10	ug/l	1	05/18/07	05/18/07	MS	SW846 7470A [1]	SW846 7470A [3]
Selenium	2.8 U	10	2.8	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Silver	0.90 U	10	0.90	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA5723
(2) Instrument QC Batch: MA5732
(3) Prep QC Batch: MP12017
(4) Prep QC Batch: MP12050

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-TMW67		
Lab Sample ID:	F49499-5	**Date Sampled:**	05/11/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
		Percent Solids:	n/a
Project:	HOLMN		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	12000	100	10	mg/l	1	05/16/07 10:15	LE	EPA 160.1

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-TMW69		
Lab Sample ID:	F49499-6	**Date Sampled:**	05/11/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J029965.D	50	05/25/07	JG	n/a	n/a	VJ2133
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	1300	250	ug/l	
75-05-8	Acetonitrile	ND	1000	500	ug/l	
107-02-8	Acrolein	ND	1000	500	ug/l	
107-13-1	Acrylonitrile	ND	500	250	ug/l	
107-05-1	Allyl chloride	ND	500	250	ug/l	
71-43-2	Benzene	2160	50	25	ug/l	
100-44-7	Benzyl Chloride	ND	50	25	ug/l	
108-86-1	Bromobenzene	ND	50	25	ug/l	
74-97-5	Bromochloromethane	ND	50	25	ug/l	
75-27-4	Bromodichloromethane	ND	50	25	ug/l	
75-25-2	Bromoform	ND	50	25	ug/l	
104-51-8	n-Butylbenzene	ND	50	25	ug/l	
135-98-8	sec-Butylbenzene	ND	50	25	ug/l	
98-06-6	tert-Butylbenzene	ND	50	25	ug/l	
108-90-7	Chlorobenzene	ND	50	25	ug/l	
75-00-3	Chloroethane	ND	100	50	ug/l	
67-66-3	Chloroform	ND	50	25	ug/l	
544-10-5	1-Chlorohexane	ND	100	50	ug/l	
95-49-8	o-Chlorotoluene	ND	50	25	ug/l	
106-43-4	p-Chlorotoluene	ND	50	25	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	250	130	ug/l	
75-15-0	Carbon disulfide	ND	100	50	ug/l	
56-23-5	Carbon tetrachloride	ND	50	25	ug/l	
75-34-3	1,1-Dichloroethane	ND	50	25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	50	25	ug/l	
563-58-6	1,1-Dichloropropene	ND	50	25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	100	50	ug/l	
106-93-4	1,2-Dibromoethane	ND	50	25	ug/l	
107-06-2	1,2-Dichloroethane	33.2	50	25	ug/l	J
78-87-5	1,2-Dichloropropane	ND	50	25	ug/l	
142-28-9	1,3-Dichloropropane	ND	50	25	ug/l	
594-20-7	2,2-Dichloropropane	ND	50	25	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW69		
Lab Sample ID:	F49499-6	**Date Sampled:**	05/11/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	50	20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	50	25	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	50	25	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	50	15	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	500	250	ug/l	
541-73-1	m-Dichlorobenzene	ND	50	25	ug/l	
95-50-1	o-Dichlorobenzene	ND	50	25	ug/l	
106-46-7	p-Dichlorobenzene	ND	50	25	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	50	25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	50	15	ug/l	
100-41-4	Ethylbenzene	461	50	25	ug/l	
97-63-2	Ethyl methacrylate	ND	250	100	ug/l	
76-13-1	Freon 113	ND	50	25	ug/l	
591-78-6	2-Hexanone	ND	250	130	ug/l	
87-68-3	Hexachlorobutadiene	ND	100	25	ug/l	
110-54-3	Hexane	ND	100	50	ug/l	
98-82-8	Isopropylbenzene	1590	50	25	ug/l	
99-87-6	p-Isopropyltoluene	ND	50	25	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	250	130	ug/l	
126-98-7	Methacrylonitrile	ND	1000	500	ug/l	
74-83-9	Methyl bromide	ND	100	50	ug/l	
74-87-3	Methyl chloride	ND	100	50	ug/l	
74-88-4	Methyl iodide	ND	250	130	ug/l	
80-62-6	Methyl methacrylate	ND	250	130	ug/l	
74-95-3	Methylene bromide	ND	100	25	ug/l	
75-09-2	Methylene chloride	ND	250	50	ug/l	
78-93-3	Methyl ethyl ketone	ND	250	130	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	50	25	ug/l	
91-20-3	Naphthalene	ND	100	50	ug/l	
76-01-7	Pentachloroethane	ND	500	250	ug/l	
107-12-0	Propionitrile	ND	1000	500	ug/l	
103-65-1	n-Propylbenzene	26.8	50	25	ug/l	J
100-42-5	Styrene	ND	50	25	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	50	25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	25	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	50	25	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	50	25	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	100	50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	50	25	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW69		
Lab Sample ID:	F49499-6	**Date Sampled:**	05/11/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	190	100	50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	100	50	ug/l	
127-18-4	Tetrachloroethylene	ND	50	25	ug/l	
108-88-3	Toluene	ND	50	25	ug/l	
79-01-6	Trichloroethylene	ND	50	25	ug/l	
75-69-4	Trichlorofluoromethane	ND	100	25	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	500	250	ug/l	
75-01-4	Vinyl chloride	ND	50	25	ug/l	
108-05-4	Vinyl Acetate	ND	500	250	ug/l	
	m,p-Xylene	378	100	25	ug/l	
95-47-6	o-Xylene	ND	50	25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		87-116%
17060-07-0	1,2-Dichloroethane-D4	97%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	109%		84-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW69		
Lab Sample ID:	F49499-6	**Date Sampled:**	05/11/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L036552.D	1	05/23/07	RB	05/18/07	OP20642	SL1874
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	2.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	2.0	ug/l	
105-67-9	2,4-Dimethylphenol	4.8	5.0	2.0	ug/l	J
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	5.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	2.0	ug/l	
	3&4-Methylphenol	ND	5.0	2.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	2.0	ug/l	
100-02-7	4-Nitrophenol	ND	25	10	ug/l	
87-86-5	Pentachlorophenol	ND	25	10	ug/l	
108-95-2	Phenol	37.4	5.0	2.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.0	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
92-87-5	Benzidine	ND	25	15	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	4.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	2.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW69		
Lab Sample ID:	F49499-6	**Date Sampled:**	05/11/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	1.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	1.0	ug/l	
84-74-2	Di-n-butyl phthalate	2.2	5.0	2.0	ug/l	J
117-84-0	Di-n-octyl phthalate	ND	5.0	2.5	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	2.5	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	2.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
88-74-4	2-Nitroaniline	ND	10	4.0	ug/l	
99-09-2	3-Nitroaniline	ND	10	4.0	ug/l	
100-01-6	4-Nitroaniline	ND	10	4.0	ug/l	
91-20-3	Naphthalene	1.7	5.0	1.0	ug/l	J
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	37%		14-62%
4165-62-2	Phenol-d5	36%		10-40%
118-79-6	2,4,6-Tribromophenol	89%		33-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW69		
Lab Sample ID:	F49499-6	**Date Sampled:**	05/11/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	73%		42-108%
321-60-8	2-Fluorobiphenyl	69%		40-106%
1718-51-0	Terphenyl-d14	63%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW69		
Lab Sample ID:	F49499-6	**Date Sampled:**	05/11/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	HH026281.D	20	05/22/07	TD	n/a	n/a	GHH1154
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	14.7	2.0	1.0	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	104%		57-129%
98-08-8	aaa-Trifluorotoluene	91%		58-120%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW69		
Lab Sample ID:	F49499-6	**Date Sampled:**	05/11/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02515.D	2	05/24/07	MG	05/16/07	OP20593	GYY97
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	0.852	0.48	0.19	mg/l	
	TPH (> C22-C36)	ND	0.48	0.19	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	73%		42-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW69		
Lab Sample ID:	F49499-6	**Date Sampled:**	05/11/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
		Percent Solids:	n/a
Project:	HOLMN		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	4.1 J	10	2.8	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Barium	29.1 J	200	5.0	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Cadmium	1.0 U	5.0	1.0	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Chromium	1.6 J	10	0.60	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Lead	3.3 J	5.0	1.7	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Mercury	0.10 U	1.0	0.10	ug/l	1	05/18/07	05/18/07	MS	SW846 7470A [1]	SW846 7470A [3]
Selenium	2.8 U	10	2.8	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Silver	0.90 U	10	0.90	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA5723
(2) Instrument QC Batch: MA5732
(3) Prep QC Batch: MP12017
(4) Prep QC Batch: MP12050

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-TMW69		
Lab Sample ID:	F49499-6	**Date Sampled:**	05/11/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
		Percent Solids:	n/a
Project:	HOLMN		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	29400	100	10	mg/l	1	05/16/07 10:15	LE	EPA 160.1

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-TMW63A		
Lab Sample ID:	F49499-7	**Date Sampled:**	05/10/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J029947.D	500	05/24/07	JG	n/a	n/a	VJ2132
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	13000	2500	ug/l	
75-05-8	Acetonitrile	ND	10000	5000	ug/l	
107-02-8	Acrolein	ND	10000	5000	ug/l	
107-13-1	Acrylonitrile	ND	5000	2500	ug/l	
107-05-1	Allyl chloride	ND	5000	2500	ug/l	
71-43-2	Benzene	13100	500	250	ug/l	
100-44-7	Benzyl Chloride	ND	500	250	ug/l	
108-86-1	Bromobenzene	ND	500	250	ug/l	
74-97-5	Bromochloromethane	ND	500	250	ug/l	
75-27-4	Bromodichloromethane	ND	500	250	ug/l	
75-25-2	Bromoform	ND	500	250	ug/l	
104-51-8	n-Butylbenzene	ND	500	250	ug/l	
135-98-8	sec-Butylbenzene	ND	500	250	ug/l	
98-06-6	tert-Butylbenzene	ND	500	250	ug/l	
108-90-7	Chlorobenzene	ND	500	250	ug/l	
75-00-3	Chloroethane	ND	1000	500	ug/l	
67-66-3	Chloroform	ND	500	250	ug/l	
544-10-5	1-Chlorohexane	ND	1000	500	ug/l	
95-49-8	o-Chlorotoluene	ND	500	250	ug/l	
106-43-4	p-Chlorotoluene	ND	500	250	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	2500	1300	ug/l	
75-15-0	Carbon disulfide	ND	1000	500	ug/l	
56-23-5	Carbon tetrachloride	ND	500	250	ug/l	
75-34-3	1,1-Dichloroethane	ND	500	250	ug/l	
75-35-4	1,1-Dichloroethylene	ND	500	250	ug/l	
563-58-6	1,1-Dichloropropene	ND	500	250	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1000	500	ug/l	
106-93-4	1,2-Dibromoethane	ND	500	250	ug/l	
107-06-2	1,2-Dichloroethane	ND	500	250	ug/l	
78-87-5	1,2-Dichloropropane	ND	500	250	ug/l	
142-28-9	1,3-Dichloropropane	ND	500	250	ug/l	
594-20-7	2,2-Dichloropropane	ND	500	250	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW63A		
Lab Sample ID:	F49499-7	**Date Sampled:**	05/10/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	500	200	ug/l	
75-71-8	Dichlorodifluoromethane	ND	500	250	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	500	250	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	500	150	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	5000	2500	ug/l	
541-73-1	m-Dichlorobenzene	ND	500	250	ug/l	
95-50-1	o-Dichlorobenzene	ND	500	250	ug/l	
106-46-7	p-Dichlorobenzene	ND	500	250	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	500	250	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	500	150	ug/l	
100-41-4	Ethylbenzene	1560	500	250	ug/l	
97-63-2	Ethyl methacrylate	ND	2500	1000	ug/l	
76-13-1	Freon 113	ND	500	250	ug/l	
591-78-6	2-Hexanone	ND	2500	1300	ug/l	
87-68-3	Hexachlorobutadiene	ND	1000	250	ug/l	
110-54-3	Hexane	ND	1000	500	ug/l	
98-82-8	Isopropylbenzene	1360	500	250	ug/l	
99-87-6	p-Isopropyltoluene	ND	500	250	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2500	1300	ug/l	
126-98-7	Methacrylonitrile	ND	10000	5000	ug/l	
74-83-9	Methyl bromide	ND	1000	500	ug/l	
74-87-3	Methyl chloride	ND	1000	500	ug/l	
74-88-4	Methyl iodide	ND	2500	1300	ug/l	
80-62-6	Methyl methacrylate	ND	2500	1300	ug/l	
74-95-3	Methylene bromide	ND	1000	250	ug/l	
75-09-2	Methylene chloride	554	2500	500	ug/l	J
78-93-3	Methyl ethyl ketone	ND	2500	1300	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	500	250	ug/l	
91-20-3	Naphthalene	ND	1000	500	ug/l	
76-01-7	Pentachloroethane	ND	5000	2500	ug/l	
107-12-0	Propionitrile	ND	10000	5000	ug/l	
103-65-1	n-Propylbenzene	ND	500	250	ug/l	
100-42-5	Styrene	ND	500	250	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	500	250	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	500	250	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	500	200	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	500	250	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	500	250	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	1000	500	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	500	250	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW63A		
Lab Sample ID:	F49499-7	**Date Sampled:**	05/10/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	1000	500	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1000	500	ug/l	
127-18-4	Tetrachloroethylene	ND	500	250	ug/l	
108-88-3	Toluene	ND	500	250	ug/l	
79-01-6	Trichloroethylene	ND	500	250	ug/l	
75-69-4	Trichlorofluoromethane	ND	1000	250	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	5000	2500	ug/l	
75-01-4	Vinyl chloride	ND	500	250	ug/l	
108-05-4	Vinyl Acetate	ND	5000	2500	ug/l	
	m,p-Xylene	ND	1000	250	ug/l	
95-47-6	o-Xylene	ND	500	250	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		87-116%
17060-07-0	1,2-Dichloroethane-D4	99%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	110%		84-120%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW63A		
Lab Sample ID:	F49499-7	**Date Sampled:**	05/10/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U002216.D	1	05/23/07	NJ	05/16/07	OP20601	SU111
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.6	ug/l	
95-57-8	2-Chlorophenol	ND	4.8	1.9	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.8	1.9	ug/l	
105-67-9	2,4-Dimethylphenol	2.6	4.8	1.9	ug/l	J
51-28-5	2,4-Dinitrophenol	ND	24	9.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.6	4.8	ug/l	
95-48-7	2-Methylphenol	ND	4.8	1.9	ug/l	
	3&4-Methylphenol	ND	4.8	1.9	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.6	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.6	ug/l	
108-95-2	Phenol	3.7	4.8	1.9	ug/l	J
95-95-4	2,4,5-Trichlorophenol	ND	4.8	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.96	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.96	ug/l	
120-12-7	Anthracene	ND	4.8	0.96	ug/l	
92-87-5	Benzidine	ND	24	14	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.96	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.96	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.96	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.96	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
100-51-6	Benzyl Alcohol	ND	4.8	0.96	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.96	ug/l	
106-47-8	4-Chloroaniline	ND	9.6	3.8	ug/l	
218-01-9	Chrysene	ND	4.8	0.96	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.8	0.96	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.8	1.9	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW63A		
Lab Sample ID:	F49499-7	**Date Sampled:**	05/10/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.8	0.96	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.8	0.96	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.96	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.96	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.96	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.6	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.96	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.8	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.8	2.4	ug/l	
84-66-2	Diethyl phthalate	ND	4.8	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.8	1.9	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.8	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	0.96	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.96	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.96	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.96	ug/l	
88-74-4	2-Nitroaniline	ND	9.6	3.8	ug/l	
99-09-2	3-Nitroaniline	ND	9.6	3.8	ug/l	
100-01-6	4-Nitroaniline	ND	9.6	3.8	ug/l	
91-20-3	Naphthalene	4.3	4.8	0.96	ug/l	J
98-95-3	Nitrobenzene	ND	4.8	0.96	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.96	ug/l	
129-00-0	Pyrene	ND	4.8	0.96	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	0.96	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	28%		14-62%
4165-62-2	Phenol-d5	23%		10-40%
118-79-6	2,4,6-Tribromophenol	81%		33-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW63A		
Lab Sample ID:	F49499-7	**Date Sampled:**	05/10/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	62%		42-108%
321-60-8	2-Fluorobiphenyl	65%		40-106%
1718-51-0	Terphenyl-d14	60%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW63A		
Lab Sample ID:	F49499-7	**Date Sampled:**	05/10/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	HH026280.D	50	05/22/07	TD	n/a	n/a	GHH1154
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	49.6	5.0	2.5	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	103%		57-129%
98-08-8	aaa-Trifluorotoluene	102%		58-120%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW63A		
Lab Sample ID:	F49499-7	**Date Sampled:**	05/10/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02422.D	5	05/18/07	MG	05/16/07	OP20593	GYY93
Run #2							

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	1.56	1.2	0.49	mg/l	
	TPH (> C22-C36)	0.579	1.2	0.49	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	69%		42-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SS61-TMW63A
Lab Sample ID: F49499-7
Matrix: AQ - Ground Water
Project: HOLMN

Date Sampled: 05/10/07
Date Received: 05/12/07
Percent Solids: n/a

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.8 U	10	2.8	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Barium	13.3 J	200	5.0	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Cadmium	1.0 U	5.0	1.0	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Chromium	1.6 J	10	0.60	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Lead	2.0 J	5.0	1.7	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Mercury	0.10 U	1.0	0.10	ug/l	1	05/18/07	05/18/07	MS	SW846 7470A [1]	SW846 7470A [3]
Selenium	2.8 U	10	2.8	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]
Silver	0.90 U	10	0.90	ug/l	1	05/22/07	05/22/07	RS	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA5723
(2) Instrument QC Batch: MA5732
(3) Prep QC Batch: MP12017
(4) Prep QC Batch: MP12050

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-TMW63A		
Lab Sample ID:	F49499-7	**Date Sampled:**	05/10/07
Matrix:	AQ - Ground Water	**Date Received:**	05/12/07
		Percent Solids:	n/a
Project:	HOLMN		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved [a]	10200	100	10	mg/l	1	06/06/07 10:50	LE	EPA 160.1

(a) Results confirmed by re-analysis.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-TRIP BLANK		
Lab Sample ID:	F49499-8	**Date Sampled:**	05/11/07
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/12/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J029934.D	1	05/24/07	JG	n/a	n/a	VJ2132
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
75-05-8	Acetonitrile	ND	20	10	ug/l	
107-02-8	Acrolein	ND	20	10	ug/l	
107-13-1	Acrylonitrile	ND	10	5.0	ug/l	
107-05-1	Allyl chloride	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
100-44-7	Benzyl Chloride	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	1.0	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TRIP BLANK		
Lab Sample ID:	F49499-8	**Date Sampled:**	05/11/07
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/12/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	2.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
110-54-3	Hexane	ND	2.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
126-98-7	Methacrylonitrile	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
74-88-4	Methyl iodide	ND	5.0	2.5	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	2.5	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	5.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TRIP BLANK		
Lab Sample ID:	F49499-8	**Date Sampled:**	05/11/07
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/12/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	10	5.0	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		87-116%
17060-07-0	1,2-Dichloroethane-D4	103%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	106%		84-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Page 1 of 1

Project No: 9050361.01.02

COC Number: 05-11-2007-01

LIMS Number: ________

Chain of Custody and Analytical Request

F49499

Facility: **Holloman Air Force Base**

Project Name / Site Name: **SS-61 Voluntary Corrective Measures**

Client Name: **USACE**

Collected by: **J. Moore/C. McGriff/R. Currane/B. Wolfe**

	Field sample ID	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code (2)	Sample Number (3)	Sample Matrix (4)	Number of containers	VOC, 8260B	SVOC,8270C	TPH, 8015M, DRO/ORO	RCRA Metals 6010B/7470A	TPH, 8015M, GRO	TDS			Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
(1)	SS61-TMW62		10 May 2007	1320	—	N	—	WG	12	X	X	X	X	X	X						1
(1)	SS61-TMW62-MS		10 May 2007	1320	—	MS	—	WG	12	X	X	X	X	X	X						2
(1)	SS61-TMW62-MSD		10 May 2007	1320	—	SD	—	WG	12	X	X	X	X	X	X						3
(2)	SS61-TMW63		10 May 2007	1335	—	N	—	WG	12	X	X	X	X	X	X						4
(7)	SS61-TMW63A		10 May 2007	1335	—	FD	—	WG	12	X	X	X	X	X	X						5
(3)	SS61-TMW64		10 May 2007	1630	—	N	—	WG	12	X	X	X	X	X	X						6
(4)	SS61-TMW65		11 May 2007	0850	—	N	—	WG	12	X	X	X	X	X	X						7
(5)	SS61-TMW67		11 May 2007	1005	—	N	—	WG	12	X	X	X	X	X	X						8
(6)	SS61-TMW69		11 May 2007	1100	—	N	—	WG	12	X	X	X	X	X	X						9
(8)	SS61-Trip Blank		11 May 2007	—	—	TR	—	WQ	9	X											
	SS61																				
	SS61																				
	SS61																				

Comments: All metal sample volumes have been filtered in the field using a 0.45 micron filter

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1.	J. Moore	5/11/07	1500	Released to Fed Ex		1500
2.	FedEx			Muna Mohammed	5/12/07	0900
3.						

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: ____ Shipped: No.: ____

Method of Shipment: Fed Ex Airbill Number: ____

Analytical Lab: Accutest Delivery Location: Orlando FL

Lab Recipient: ____ Delivery Date/Time: ____

1) Chain of Custody Number = date collected + custody number (e.g. [illegible])
2) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank [illegible] Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)
3) Sample Number: Unique sample number collected from a particular location [illegible] Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 [illegible]
4) Matrix Codes: OS = Soil Gas, WG = Groundwater, WS = Surface Water [illegible] Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples [illegible], SQ = Soil Blanks
5) Sample Analysis Requested: Analytical method requested and [illegible] needed for each
6) Quality assurance samples are assigned by date (ddmmyy) and the [illegible] with the sample (01, 02, etc.) e.g. Equipment blank collected [illegible] with MW-1 on [illegible] designated 10109901 in the Equipment Blank Lot Control Number field

1.0, 1.2, 1.8, 2.4, 2.0
2.8, 1.6, 3.0, 1.8

F49499: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F49499 CLIENT: BHATE PROJECT: SS-61 Voluntary Corrective Measures

DATE/TIME RECEIVED: 5/12/07 | 0900 # OF COOLERS RECEIVED: ___ COOLER TEMPS: 1.0, 1.2, 1.8, 2.4, 2.0 2.8, 1.6, 3.0, 1.8

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 861054214716

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [x] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [x] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [x] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? Ø

NUMBER OF 5035 FIELD KITS ? Ø

NUMBER OR LAB FILTERED METALS ? Ø

SUMMARY OF COMMENTS: We received SS-61-TMW-60 sample @ 11:20 on 5/10/06 but sample not on COC. Sample listed on COC received on 5/11/06 Per Jean Dent-Smith client does not want to log in sample.

One vial broken from sample #1.

TECHNICIAN SIGNATURE/DATE Mura Mohammed 5/12/07 | 0900 TECHNICIAN SIGNATURE/DATE ASBD 10/03/06

4.1 4

F49499: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2132-MB	J029933.D	1	05/24/07	JG	n/a	n/a	VJ2132

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49499-1, F49499-2, F49499-3, F49499-4, F49499-5, F49499-7, F49499-8

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
75-05-8	Acetonitrile	ND	20	10	ug/l	
107-02-8	Acrolein	ND	20	10	ug/l	
107-13-1	Acrylonitrile	ND	10	5.0	ug/l	
107-05-1	Allyl chloride	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
100-44-7	Benzyl Chloride	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	1.0	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	

Method Blank Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2132-MB	J029933.D	1	05/24/07	JG	n/a	n/a	VJ2132

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49499-1, F49499-2, F49499-3, F49499-4, F49499-5, F49499-7, F49499-8

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	2.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
110-54-3	Hexane	ND	2.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
126-98-7	Methacrylonitrile	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
74-88-4	Methyl iodide	ND	5.0	2.5	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	2.5	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	5.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

Method Blank Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2132-MB	J029933.D	1	05/24/07	JG	n/a	n/a	VJ2132

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49499-1, F49499-2, F49499-3, F49499-4, F49499-5, F49499-7, F49499-8

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	10	5.0	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	103%	76-127%
2037-26-5	Toluene-D8	99%	86-112%
460-00-4	4-Bromofluorobenzene	106%	84-120%

Method Blank Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2133-MB	J029963.D	1	05/25/07	JG	n/a	n/a	VJ2133

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49499-1, F49499-6

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
75-05-8	Acetonitrile	ND	20	10	ug/l	
107-02-8	Acrolein	ND	20	10	ug/l	
107-13-1	Acrylonitrile	ND	10	5.0	ug/l	
107-05-1	Allyl chloride	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
100-44-7	Benzyl Chloride	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	1.0	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	

Method Blank Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2133-MB	J029963.D	1	05/25/07	JG	n/a	n/a	VJ2133

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49499-1, F49499-6

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	2.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
110-54-3	Hexane	ND	2.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
126-98-7	Methacrylonitrile	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
74-88-4	Methyl iodide	ND	5.0	2.5	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	2.5	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	5.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

Method Blank Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2133-MB	J029963.D	1	05/25/07	JG	n/a	n/a	VJ2133

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49499-1, F49499-6

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	10	5.0	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	100%	76-127%
2037-26-5	Toluene-D8	101%	86-112%
460-00-4	4-Bromofluorobenzene	112%	84-120%

Blank Spike Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2132-BS	J029930.D	1	05/24/07	JG	n/a	n/a	VJ2132

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49499-1, F49499-2, F49499-3, F49499-4, F49499-5, F49499-7, F49499-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	108	86	59-134
75-05-8	Acetonitrile	250	224	90	57-123
107-02-8	Acrolein	125	199	159*	33-157
107-13-1	Acrylonitrile	125	151	121	62-124
107-05-1	Allyl chloride	25	24.2	97	48-136
71-43-2	Benzene	25	26.3	105	83-124
100-44-7	Benzyl Chloride	25	25.9	104	61-118
108-86-1	Bromobenzene	25	25.4	102	83-115
74-97-5	Bromochloromethane	25	23.6	94	78-112
75-27-4	Bromodichloromethane	25	24.7	99	76-116
75-25-2	Bromoform	25	25.7	103	68-128
104-51-8	n-Butylbenzene	25	27.4	110	84-124
135-98-8	sec-Butylbenzene	25	26.0	104	86-127
98-06-6	tert-Butylbenzene	25	25.9	104	83-126
108-90-7	Chlorobenzene	25	25.4	102	87-115
75-00-3	Chloroethane	25	25.3	101	54-166
67-66-3	Chloroform	25	25.4	102	85-123
544-10-5	1-Chlorohexane	25	27.2	109	87-128
95-49-8	o-Chlorotoluene	25	26.8	107	84-121
106-43-4	p-Chlorotoluene	25	25.7	103	84-120
110-75-8	2-Chloroethyl vinyl ether	125	110	88	63-125
75-15-0	Carbon disulfide	25	26.2	105	67-147
56-23-5	Carbon tetrachloride	25	25.4	102	74-139
75-34-3	1,1-Dichloroethane	25	25.1	100	82-127
75-35-4	1,1-Dichloroethylene	25	23.7	95	75-133
563-58-6	1,1-Dichloropropene	25	25.8	103	87-127
96-12-8	1,2-Dibromo-3-chloropropane	25	24.4	98	61-118
106-93-4	1,2-Dibromoethane	25	26.1	104	80-115
107-06-2	1,2-Dichloroethane	25	25.2	101	76-122
78-87-5	1,2-Dichloropropane	25	25.4	102	81-120
142-28-9	1,3-Dichloropropane	25	25.7	103	81-113
594-20-7	2,2-Dichloropropane	25	25.8	103	77-138
124-48-1	Dibromochloromethane	25	25.1	100	74-116
75-71-8	Dichlorodifluoromethane	25	30.2	121	34-158
156-59-2	cis-1,2-Dichloroethylene	25	23.6	94	81-114
10061-01-5	cis-1,3-Dichloropropene	25	26.6	106	83-119

Blank Spike Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2132-BS	J029930.D	1	05/24/07	JG	n/a	n/a	VJ2132

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49499-1, F49499-2, F49499-3, F49499-4, F49499-5, F49499-7, F49499-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	25	25.4	102	41-130
541-73-1	m-Dichlorobenzene	25	25.1	100	86-115
95-50-1	o-Dichlorobenzene	25	25.1	100	85-115
106-46-7	p-Dichlorobenzene	25	25.1	100	87-113
156-60-5	trans-1,2-Dichloroethylene	25	26.6	106	82-126
10061-02-6	trans-1,3-Dichloropropene	25	28.3	113	87-123
100-41-4	Ethylbenzene	25	26.2	105	87-118
97-63-2	Ethyl methacrylate	25	26.3	105	68-110
76-13-1	Freon 113	25	25.2	101	74-139
591-78-6	2-Hexanone	125	135	108	58-125
87-68-3	Hexachlorobutadiene	25	28.4	114	71-133
110-54-3	Hexane	25	24.1	96	71-134
98-82-8	Isopropylbenzene	25	26.9	108	87-131
99-87-6	p-Isopropyltoluene	25	25.7	103	83-125
108-10-1	4-Methyl-2-pentanone	125	131	105	62-125
126-98-7	Methacrylonitrile	250	249	100	62-133
74-83-9	Methyl bromide	25	32.0	128	55-151
74-87-3	Methyl chloride	25	25.4	102	55-173
74-88-4	Methyl iodide	25	22.3	89	72-125
80-62-6	Methyl methacrylate	25	23.7	95	63-115
74-95-3	Methylene bromide	25	25.7	103	81-116
75-09-2	Methylene chloride	25	24.7	99	69-125
78-93-3	Methyl ethyl ketone	125	122	98	61-127
1634-04-4	Methyl Tert Butyl Ether	25	24.7	99	75-116
91-20-3	Naphthalene	25	26.4	106	59-125
76-01-7	Pentachloroethane	25	24.0	96	82-111
107-12-0	Propionitrile	250	241	96	69-119
103-65-1	n-Propylbenzene	25	27.2	109	86-125
100-42-5	Styrene	25	25.8	103	78-118
630-20-6	1,1,1,2-Tetrachloroethane	25	25.1	100	81-119
71-55-6	1,1,1-Trichloroethane	25	25.4	102	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	25.5	102	71-120
79-00-5	1,1,2-Trichloroethane	25	25.8	103	80-114
87-61-6	1,2,3-Trichlorobenzene	25	27.0	108	64-126
96-18-4	1,2,3-Trichloropropane	25	25.4	102	77-115
120-82-1	1,2,4-Trichlorobenzene	25	26.7	107	68-123

Blank Spike Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2132-BS	J029930.D	1	05/24/07	JG	n/a	n/a	VJ2132

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49499-1, F49499-2, F49499-3, F49499-4, F49499-5, F49499-7, F49499-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	25	26.2	105	82-120
108-67-8	1,3,5-Trimethylbenzene	25	24.8	99	83-123
127-18-4	Tetrachloroethylene	25	25.8	103	80-131
108-88-3	Toluene	25	26.3	105	86-116
79-01-6	Trichloroethylene	25	26.8	107	85-124
75-69-4	Trichlorofluoromethane	25	29.8	119	66-156
110-57-6	Trans-1,4-Dichloro-2-Butene	25	28.6	114	51-137
75-01-4	Vinyl chloride	25	26.2	105	57-153
108-05-4	Vinyl Acetate	125	204	163*	38-159
	m,p-Xylene	50	52.7	105	86-121
95-47-6	o-Xylene	25	25.4	102	83-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	99%	76-127%
2037-26-5	Toluene-D8	101%	86-112%
460-00-4	4-Bromofluorobenzene	101%	84-120%

Blank Spike Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2133-BS	J029962.D	1	05/25/07	JG	n/a	n/a	VJ2133

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49499-1, F49499-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	126	101	59-134
75-05-8	Acetonitrile	250	250	100	57-123
107-02-8	Acrolein	125	207	166*	33-157
107-13-1	Acrylonitrile	125	146	117	62-124
107-05-1	Allyl chloride	25	26.1	104	48-136
71-43-2	Benzene	25	25.9	104	83-124
100-44-7	Benzyl Chloride	25	25.7	103	61-118
108-86-1	Bromobenzene	25	24.3	97	83-115
74-97-5	Bromochloromethane	25	22.0	88	78-112
75-27-4	Bromodichloromethane	25	23.8	95	76-116
75-25-2	Bromoform	25	23.2	93	68-128
104-51-8	n-Butylbenzene	25	28.8	115	84-124
135-98-8	sec-Butylbenzene	25	26.2	105	86-127
98-06-6	tert-Butylbenzene	25	26.7	107	83-126
108-90-7	Chlorobenzene	25	24.8	99	87-115
75-00-3	Chloroethane	25	27.4	110	54-166
67-66-3	Chloroform	25	24.9	100	85-123
544-10-5	1-Chlorohexane	25	26.8	107	87-128
95-49-8	o-Chlorotoluene	25	27.8	111	84-121
106-43-4	p-Chlorotoluene	25	26.5	106	84-120
110-75-8	2-Chloroethyl vinyl ether	125	110	88	63-125
75-15-0	Carbon disulfide	25	27.9	112	67-147
56-23-5	Carbon tetrachloride	25	24.0	96	74-139
75-34-3	1,1-Dichloroethane	25	24.8	99	82-127
75-35-4	1,1-Dichloroethylene	25	25.4	102	75-133
563-58-6	1,1-Dichloropropene	25	25.2	101	87-127
96-12-8	1,2-Dibromo-3-chloropropane	25	24.0	96	61-118
106-93-4	1,2-Dibromoethane	25	25.4	102	80-115
107-06-2	1,2-Dichloroethane	25	24.2	97	76-122
78-87-5	1,2-Dichloropropane	25	24.8	99	81-120
142-28-9	1,3-Dichloropropane	25	25.7	103	81-113
594-20-7	2,2-Dichloropropane	25	24.2	97	77-138
124-48-1	Dibromochloromethane	25	24.1	96	74-116
75-71-8	Dichlorodifluoromethane	25	26.9	108	34-158
156-59-2	cis-1,2-Dichloroethylene	25	22.5	90	81-114
10061-01-5	cis-1,3-Dichloropropene	25	25.8	103	83-119

Blank Spike Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2133-BS	J029962.D	1	05/25/07	JG	n/a	n/a	VJ2133

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49499-1, F49499-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	25	30.0	120	41-130
541-73-1	m-Dichlorobenzene	25	23.8	95	86-115
95-50-1	o-Dichlorobenzene	25	24.4	98	85-115
106-46-7	p-Dichlorobenzene	25	24.4	98	87-113
156-60-5	trans-1,2-Dichloroethylene	25	26.0	104	82-126
10061-02-6	trans-1,3-Dichloropropene	25	28.8	115	87-123
100-41-4	Ethylbenzene	25	26.5	106	87-118
97-63-2	Ethyl methacrylate	25	27.4	110	68-110
76-13-1	Freon 113	25	26.4	106	74-139
591-78-6	2-Hexanone	125	149	119	58-125
87-68-3	Hexachlorobutadiene	25	25.2	101	71-133
110-54-3	Hexane	25	24.3	97	71-134
98-82-8	Isopropylbenzene	25	25.9	104	87-131
99-87-6	p-Isopropyltoluene	25	25.5	102	83-125
108-10-1	4-Methyl-2-pentanone	125	137	110	62-125
126-98-7	Methacrylonitrile	250	264	106	62-133
74-83-9	Methyl bromide	25	35.0	140	55-151
74-87-3	Methyl chloride	25	24.6	98	55-173
74-88-4	Methyl iodide	25	22.6	90	72-125
80-62-6	Methyl methacrylate	25	23.9	96	63-115
74-95-3	Methylene bromide	25	25.0	100	81-116
75-09-2	Methylene chloride	25	25.1	100	69-125
78-93-3	Methyl ethyl ketone	125	131	105	61-127
1634-04-4	Methyl Tert Butyl Ether	25	22.8	91	75-116
91-20-3	Naphthalene	25	26.1	104	59-125
76-01-7	Pentachloroethane	25	23.6	94	82-111
107-12-0	Propionitrile	250	245	98	69-119
103-65-1	n-Propylbenzene	25	28.4	114	86-125
100-42-5	Styrene	25	25.0	100	78-118
630-20-6	1,1,1,2-Tetrachloroethane	25	24.0	96	81-119
71-55-6	1,1,1-Trichloroethane	25	24.2	97	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	28.2	113	71-120
79-00-5	1,1,2-Trichloroethane	25	26.8	107	80-114
87-61-6	1,2,3-Trichlorobenzene	25	24.8	99	64-126
96-18-4	1,2,3-Trichloropropane	25	26.0	104	77-115
120-82-1	1,2,4-Trichlorobenzene	25	24.7	99	68-123

Blank Spike Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2133-BS	J029962.D	1	05/25/07	JG	n/a	n/a	VJ2133

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49499-1, F49499-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	25	26.7	107	82-120
108-67-8	1,3,5-Trimethylbenzene	25	25.2	101	83-123
127-18-4	Tetrachloroethylene	25	22.7	91	80-131
108-88-3	Toluene	25	25.9	104	86-116
79-01-6	Trichloroethylene	25	26.0	104	85-124
75-69-4	Trichlorofluoromethane	25	31.9	128	66-156
110-57-6	Trans-1,4-Dichloro-2-Butene	25	31.7	127	51-137
75-01-4	Vinyl chloride	25	25.3	101	57-153
108-05-4	Vinyl Acetate	125	210	168*	38-159
	m,p-Xylene	50	52.7	105	86-121
95-47-6	o-Xylene	25	25.3	101	83-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	99%	76-127%
2037-26-5	Toluene-D8	101%	86-112%
460-00-4	4-Bromofluorobenzene	106%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49499-1MS	J029936.D	2	05/24/07	JG	n/a	n/a	VJ2132
F49499-1MSD	J029937.D	2	05/24/07	JG	n/a	n/a	VJ2132
F49499-1	J029935.D	2	05/24/07	JG	n/a	n/a	VJ2132

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49499-1, F49499-2, F49499-3, F49499-4, F49499-5, F49499-7, F49499-8

CAS No.	Compound	F49499-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	23.0	J	250	176	61	166	57*	6	59-134/14
75-05-8	Acetonitrile	ND		500	486	97	483	97	1	57-123/15
107-02-8	Acrolein	ND		250	380	152	383	153	1	33-157/21
107-13-1	Acrylonitrile	ND		250	308	123	303	121	2	62-124/13
107-05-1	Allyl chloride	ND		50	47.2	94	47.1	94	0	48-136/13
71-43-2	Benzene	285	E	50	335	100	335	100	0	83-124/11
100-44-7	Benzyl Chloride	ND		50	50.7	101	49.5	99	2	61-118/12
108-86-1	Bromobenzene	ND		50	48.7	97	48.5	97	0	83-115/10
74-97-5	Bromochloromethane	ND		50	45.8	92	46.5	93	2	78-112/10
75-27-4	Bromodichloromethane	ND		50	49.1	98	49.7	99	1	76-116/10
75-25-2	Bromoform	ND		50	49.7	99	49.2	98	1	68-128/11
104-51-8	n-Butylbenzene	ND		50	55.9	112	54.1	108	3	84-124/10
135-98-8	sec-Butylbenzene	5.4		50	57.3	104	56.0	101	2	86-127/10
98-06-6	tert-Butylbenzene	4.3		50	56.6	105	55.9	103	1	83-126/10
108-90-7	Chlorobenzene	ND		50	50.3	101	49.9	100	1	87-115/9
75-00-3	Chloroethane	ND		50	51.6	103	51.6	103	0	54-166/20
67-66-3	Chloroform	ND		50	50.9	102	51.1	102	0	85-123/10
544-10-5	1-Chlorohexane	49.0		50	54.3	11*	54.0	10*	1	87-128/10
95-49-8	o-Chlorotoluene	ND		50	54.5	109	53.2	106	2	84-121/10
106-43-4	p-Chlorotoluene	ND		50	52.1	104	51.2	102	2	84-120/10
110-75-8	2-Chloroethyl vinyl ether	ND		250	43.8	18*	22.0	9*	66*	63-125/24
75-15-0	Carbon disulfide	ND		50	51.3	103	50.9	102	1	67-147/12
56-23-5	Carbon tetrachloride	ND		50	50.1	100	50.3	101	0	74-139/13
75-34-3	1,1-Dichloroethane	ND		50	50.0	100	50.1	100	0	82-127/10
75-35-4	1,1-Dichloroethylene	ND		50	47.4	95	47.2	94	0	75-133/13
563-58-6	1,1-Dichloropropene	ND		50	51.2	102	51.0	102	0	87-127/10
96-12-8	1,2-Dibromo-3-chloropropane	ND		50	53.1	106	53.8	108	1	61-118/15
106-93-4	1,2-Dibromoethane	ND		50	53.4	107	53.0	106	1	80-115/10
107-06-2	1,2-Dichloroethane	9.3		50	59.3	100	59.6	101	1	76-122/11
78-87-5	1,2-Dichloropropane	ND		50	50.7	101	50.8	102	0	81-120/11
142-28-9	1,3-Dichloropropane	ND		50	53.4	107	53.0	106	1	81-113/11
594-20-7	2,2-Dichloropropane	ND		50	49.1	98	48.9	98	0	77-138/12
124-48-1	Dibromochloromethane	ND		50	49.8	100	49.7	99	0	74-116/11
75-71-8	Dichlorodifluoromethane	ND		50	56.7	113	57.7	115	2	34-158/22
156-59-2	cis-1,2-Dichloroethylene	ND		50	46.4	93	46.4	93	0	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		50	53.4	107	53.3	107	0	83-119/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49499-1MS	J029936.D	2	05/24/07	JG	n/a	n/a	VJ2132
F49499-1MSD	J029937.D	2	05/24/07	JG	n/a	n/a	VJ2132
F49499-1	J029935.D	2	05/24/07	JG	n/a	n/a	VJ2132

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49499-1, F49499-2, F49499-3, F49499-4, F49499-5, F49499-7, F49499-8

CAS No.	Compound	F49499-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		50	55.0	110	56.2	112	2	41-130/33
541-73-1	m-Dichlorobenzene	ND		50	47.8	96	47.6	95	0	86-115/9
95-50-1	o-Dichlorobenzene	ND		50	48.3	97	48.2	96	0	85-115/9
106-46-7	p-Dichlorobenzene	ND		50	48.3	97	48.3	97	0	87-113/10
156-60-5	trans-1,2-Dichloroethylene	ND		50	51.7	103	51.8	104	0	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		50	57.0	114	56.8	114	0	87-123/10
100-41-4	Ethylbenzene	15.8		50	68.8	106	67.4	103	2	87-118/10
97-63-2	Ethyl methacrylate	ND		50	58.5	117*	58.5	117*	0	68-110/11
76-13-1	Freon 113	ND		50	51.3	103	51.0	102	1	74-139/13
591-78-6	2-Hexanone	ND		250	302	121	292	117	3	58-125/14
87-68-3	Hexachlorobutadiene	ND		50	48.7	97	49.2	98	1	71-133/12
110-54-3	Hexane	ND		50	47.0	94	46.3	93	2	71-134/11
98-82-8	Isopropylbenzene	531	E	50	580	98	566	70* [a]	2	87-131/10
99-87-6	p-Isopropyltoluene	ND		50	49.7	99	49.7	99	0	83-125/9
108-10-1	4-Methyl-2-pentanone	ND		250	315	126*	307	123	3	62-125/13
126-98-7	Methacrylonitrile	ND		500	516	103	506	101	2	62-133/17
74-83-9	Methyl bromide	ND		50	66.0	132	66.4	133	1	55-151/21
74-87-3	Methyl chloride	ND		50	50.4	101	50.0	100	1	55-173/22
74-88-4	Methyl iodide	ND		50	43.4	87	43.7	87	1	72-125/11
80-62-6	Methyl methacrylate	ND		50	51.4	103	50.5	101	2	63-115/10
74-95-3	Methylene bromide	ND		50	53.6	107	52.4	105	2	81-116/10
75-09-2	Methylene chloride	ND		50	49.4	99	48.3	97	2	69-125/11
78-93-3	Methyl ethyl ketone	ND		250	236	94	232	93	2	61-127/13
1634-04-4	Methyl Tert Butyl Ether	ND		50	48.9	98	49.8	100	2	75-116/10
91-20-3	Naphthalene	ND		50	54.4	109	55.7	111	2	59-125/15
76-01-7	Pentachloroethane	ND		50	45.0	90	45.9	92	2	82-111/8
107-12-0	Propionitrile	ND		500	485	97	481	96	1	69-119/12
103-65-1	n-Propylbenzene	2.6		50	57.9	111	56.6	108	2	86-125/10
100-42-5	Styrene	ND		50	50.6	101	50.8	102	0	78-118/11
630-20-6	1,1,1,2-Tetrachloroethane	ND		50	49.3	99	49.3	99	0	81-119/10
71-55-6	1,1,1-Trichloroethane	ND		50	49.8	100	50.5	101	1	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		50	56.4	113	54.7	109	3	71-120/11
79-00-5	1,1,2-Trichloroethane	1.2	J	50	55.9	109	54.8	107	2	80-114/11
87-61-6	1,2,3-Trichlorobenzene	ND		50	49.9	100	51.1	102	2	64-126/16
96-18-4	1,2,3-Trichloropropane	ND		50	55.1	110	53.7	107	3	77-115/12
120-82-1	1,2,4-Trichlorobenzene	ND		50	50.2	100	50.6	101	1	68-123/11

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49499-1MS	J029936.D	2	05/24/07	JG	n/a	n/a	VJ2132
F49499-1MSD	J029937.D	2	05/24/07	JG	n/a	n/a	VJ2132
F49499-1	J029935.D	2	05/24/07	JG	n/a	n/a	VJ2132

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49499-1, F49499-2, F49499-3, F49499-4, F49499-5, F49499-7, F49499-8

CAS No.	Compound	F49499-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		50	52.1	104	51.5	103	1	82-120/10
108-67-8	1,3,5-Trimethylbenzene	ND		50	49.7	99	48.7	97	2	83-123/10
127-18-4	Tetrachloroethylene	ND		50	47.4	95	46.7	93	1	80-131/12
108-88-3	Toluene	ND		50	53.2	106	52.8	106	1	86-116/10
79-01-6	Trichloroethylene	ND		50	53.1	106	53.3	107	0	85-124/10
75-69-4	Trichlorofluoromethane	ND		50	60.3	121	60.1	120	0	66-156/15
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		50	61.8	124	64.5	129	4	51-137/24
75-01-4	Vinyl chloride	ND		50	49.9	100	50.1	100	0	57-153/22
108-05-4	Vinyl Acetate	ND		250	423	169*	421	168*	0	38-159/11
	m,p-Xylene	ND		100	106	106	104	104	2	86-121/10
95-47-6	o-Xylene	ND		50	51.5	103	50.8	102	1	83-121/10

CAS No.	Surrogate Recoveries	MS	MSD	F49499-1	Limits
1868-53-7	Dibromofluoromethane	100%	101%	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	101%	101%	101%	76-127%
2037-26-5	Toluene-D8	102%	101%	100%	86-112%
460-00-4	4-Bromofluorobenzene	103%	102%	105%	84-120%

(a) Outside control limits due to high level in sample relative to spike amount.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49657-1MS	J029973.D	1	05/25/07	JG	n/a	n/a	VJ2133
F49657-1MSD	J029974.D	1	05/25/07	JG	n/a	n/a	VJ2133
F49657-1	J029968.D	1	05/25/07	JG	n/a	n/a	VJ2133

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49499-1, F49499-6

CAS No.	Compound	F49657-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	77.7	62	78.5	63	1	59-134/14
75-05-8	Acetonitrile	ND		250	250	100	250	100	0	57-123/15
107-02-8	Acrolein	ND		125	218	174*	212	170*	3	33-157/21
107-13-1	Acrylonitrile	ND		125	148	118	147	118	1	62-124/13
107-05-1	Allyl chloride	ND		25	26.1	104	26.2	105	0	48-136/13
71-43-2	Benzene	ND		25	25.9	104	25.9	104	0	83-124/11
100-44-7	Benzyl Chloride	ND		25	22.3	89	22.2	89	0	61-118/12
108-86-1	Bromobenzene	ND		25	23.3	93	23.4	94	0	83-115/10
74-97-5	Bromochloromethane	ND		25	20.8	83	21.3	85	2	78-112/10
75-27-4	Bromodichloromethane	ND		25	22.0	88	22.5	90	2	76-116/10
75-25-2	Bromoform	ND		25	22.1	88	21.9	88	1	68-128/11
104-51-8	n-Butylbenzene	ND		25	27.5	110	27.8	111	1	84-124/10
135-98-8	sec-Butylbenzene	ND		25	25.5	102	25.6	102	0	86-127/10
98-06-6	tert-Butylbenzene	ND		25	26.0	104	25.9	104	0	83-126/10
108-90-7	Chlorobenzene	ND		25	24.6	98	24.6	98	0	87-115/9
75-00-3	Chloroethane	ND		25	29.6	118	29.6	118	0	54-166/20
67-66-3	Chloroform	ND		25	23.2	93	23.8	95	3	85-123/10
544-10-5	1-Chlorohexane	ND		25	24.8	99	25.1	100	1	87-128/10
95-49-8	o-Chlorotoluene	ND		25	27.7	111	27.8	111	0	84-121/10
106-43-4	p-Chlorotoluene	ND		25	25.3	101	26.0	104	3	84-120/10
110-75-8	2-Chloroethyl vinyl ether	ND		125	ND	0*	ND	0*	nc	63-125/24
75-15-0	Carbon disulfide	ND		25	28.6	114	28.2	113	1	67-147/12
56-23-5	Carbon tetrachloride	ND		25	21.2	85	22.0	88	4	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	24.3	97	24.4	98	0	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	26.7	107	26.4	106	1	75-133/13
563-58-6	1,1-Dichloropropene	ND		25	23.1	92	23.6	94	2	87-127/10
96-12-8	1,2-Dibromo-3-chloropropane	ND		25	22.7	91	22.9	92	1	61-118/15
106-93-4	1,2-Dibromoethane	ND		25	22.9	92	23.4	94	2	80-115/10
107-06-2	1,2-Dichloroethane	ND		25	23.7	95	23.5	94	1	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	24.9	100	24.9	100	0	81-120/11
142-28-9	1,3-Dichloropropane	ND		25	24.1	96	24.6	98	2	81-113/11
594-20-7	2,2-Dichloropropane	ND		25	20.6	82	21.0	84	2	77-138/12
124-48-1	Dibromochloromethane	ND		25	21.6	86	22.1	88	2	74-116/11
75-71-8	Dichlorodifluoromethane	ND		25	24.8	99	27.1	108	9	34-158/22
156-59-2	cis-1,2-Dichloroethylene	ND		25	21.0	84	21.5	86	2	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	24.0	96	24.1	96	0	83-119/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49657-1MS	J029973.D	1	05/25/07	JG	n/a	n/a	VJ2133
F49657-1MSD	J029974.D	1	05/25/07	JG	n/a	n/a	VJ2133
F49657-1	J029968.D	1	05/25/07	JG	n/a	n/a	VJ2133

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49499-1, F49499-6

CAS No.	Compound	F49657-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		25	27.0	108	26.5	106	2	41-130/33
541-73-1	m-Dichlorobenzene	ND		25	22.9	92	23.4	94	2	86-115/9
95-50-1	o-Dichlorobenzene	ND		25	23.5	94	23.3	93	1	85-115/9
106-46-7	p-Dichlorobenzene	ND		25	23.8	95	23.9	96	0	87-113/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	25.2	101	25.8	103	2	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	26.7	107	27.3	109	2	87-123/10
100-41-4	Ethylbenzene	ND		25	26.2	105	26.0	104	1	87-118/10
97-63-2	Ethyl methacrylate	ND		25	24.8	99	25.6	102	3	68-110/11
76-13-1	Freon 113	ND		25	28.0	112	27.2	109	3	74-139/13
591-78-6	2-Hexanone	ND		125	128	102	128	102	0	58-125/14
87-68-3	Hexachlorobutadiene	ND		25	22.4	90	23.2	93	4	71-133/12
110-54-3	Hexane	ND		25	23.2	93	23.2	93	0	71-134/11
98-82-8	Isopropylbenzene	ND		25	24.7	99	24.7	99	0	87-131/10
99-87-6	p-Isopropyltoluene	ND		25	24.1	96	24.3	97	1	83-125/9
108-10-1	4-Methyl-2-pentanone	ND		125	138	110	135	108	2	62-125/13
126-98-7	Methacrylonitrile	ND		250	284	114	277	111	2	62-133/17
74-83-9	Methyl bromide	ND		25	39.0	156*	37.8	151	3	55-151/21
74-87-3	Methyl chloride	ND		25	25.7	103	25.7	103	0	55-173/22
74-88-4	Methyl iodide	ND		25	22.7	91	22.9	92	1	72-125/11
80-62-6	Methyl methacrylate	ND		25	24.3	97	24.4	98	0	63-115/10
74-95-3	Methylene bromide	ND		25	23.7	95	23.9	96	1	81-116/10
75-09-2	Methylene chloride	ND		25	24.6	98	24.1	96	2	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	110	88	110	88	0	61-127/13
1634-04-4	Methyl Tert Butyl Ether	ND		25	20.7	83	21.7	87	5	75-116/10
91-20-3	Naphthalene	ND		25	23.5	94	24.6	98	5	59-125/15
76-01-7	Pentachloroethane	ND		25	21.7	87	22.2	89	2	82-111/8
107-12-0	Propionitrile	ND		250	254	102	251	100	1	69-119/12
103-65-1	n-Propylbenzene	ND		25	28.2	113	28.1	112	0	86-125/10
100-42-5	Styrene	ND		25	24.0	96	23.7	95	1	78-118/11
630-20-6	1,1,1,2-Tetrachloroethane	ND		25	22.7	91	22.8	91	0	81-119/10
71-55-6	1,1,1-Trichloroethane	ND		25	21.4	86	22.4	90	5	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	27.2	109	27.6	110	1	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	25.5	102	25.8	103	1	80-114/11
87-61-6	1,2,3-Trichlorobenzene	ND		25	22.8	91	23.4	94	3	64-126/16
96-18-4	1,2,3-Trichloropropane	ND		25	24.8	99	24.9	100	0	77-115/12
120-82-1	1,2,4-Trichlorobenzene	ND		25	23.2	93	23.7	95	2	68-123/11

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49657-1MS	J029973.D	1	05/25/07	JG	n/a	n/a	VJ2133
F49657-1MSD	J029974.D	1	05/25/07	JG	n/a	n/a	VJ2133
F49657-1	J029968.D	1	05/25/07	JG	n/a	n/a	VJ2133

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49499-1, F49499-6

CAS No.	Compound	F49657-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		25	25.8	103	26.0	104	1	82-120/10
108-67-8	1,3,5-Trimethylbenzene	ND		25	24.5	98	24.8	99	1	83-123/10
127-18-4	Tetrachloroethylene	ND		25	21.0	84	21.2	85	1	80-131/12
108-88-3	Toluene	ND		25	24.9	100	24.9	100	0	86-116/10
79-01-6	Trichloroethylene	ND		25	25.3	101	25.3	101	0	85-124/10
75-69-4	Trichlorofluoromethane	ND		25	34.0	136	33.6	134	1	66-156/15
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		25	27.4	110	27.5	110	0	51-137/24
75-01-4	Vinyl chloride	ND		25	25.5	102	25.9	104	2	57-153/22
108-05-4	Vinyl Acetate	ND		125	205	164*	202	162*	1	38-159/11
	m,p-Xylene	ND		50	52.0	104	51.4	103	1	86-121/10
95-47-6	o-Xylene	ND		25	24.2	97	24.2	97	0	83-121/10

CAS No.	Surrogate Recoveries	MS	MSD	F49657-1	Limits
1868-53-7	Dibromofluoromethane	95%	96%	98%	87-116%
17060-07-0	1,2-Dichloroethane-D4	98%	99%	96%	76-127%
2037-26-5	Toluene-D8	100%	101%	102%	86-112%
460-00-4	4-Bromofluorobenzene	103%	106%	111%	84-120%

GC/MS Semi-volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20601-MB	U002200.D	1	05/23/07	NJ	05/16/07	OP20601	SU111

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49499-1, F49499-2, F49499-3, F49499-7

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	2.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	2.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	5.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	2.0	ug/l	
	3&4-Methylphenol	ND	5.0	2.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	2.0	ug/l	
100-02-7	4-Nitrophenol	ND	25	10	ug/l	
87-86-5	Pentachlorophenol	ND	25	10	ug/l	
108-95-2	Phenol	ND	5.0	2.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.0	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
92-87-5	Benzidine	ND	25	15	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	4.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	2.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	1.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	

Method Blank Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20601-MB	U002200.D	1	05/23/07	NJ	05/16/07	OP20601	SU111

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49499-1, F49499-2, F49499-3, F49499-7

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	1.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	2.5	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	2.5	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	2.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
88-74-4	2-Nitroaniline	ND	10	4.0	ug/l	
99-09-2	3-Nitroaniline	ND	10	4.0	ug/l	
100-01-6	4-Nitroaniline	ND	10	4.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	38%	14-62%
4165-62-2	Phenol-d5	26%	10-40%

Method Blank Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20601-MB	U002200.D	1	05/23/07	NJ	05/16/07	OP20601	SU111

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49499-1, F49499-2, F49499-3, F49499-7

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	75%	33-118%
4165-60-0	Nitrobenzene-d5	70%	42-108%
321-60-8	2-Fluorobiphenyl	67%	40-106%
1718-51-0	Terphenyl-d14	80%	39-121%

Method Blank Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20601-MB	U002233.D	1	05/24/07	NJ	05/16/07	OP20601	SU112

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49499-1, F49499-2, F49499-3, F49499-7

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	2.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	2.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	5.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	2.0	ug/l	
	3&4-Methylphenol	ND	5.0	2.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	2.0	ug/l	
100-02-7	4-Nitrophenol	ND	25	10	ug/l	
87-86-5	Pentachlorophenol	ND	25	10	ug/l	
108-95-2	Phenol	ND	5.0	2.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.0	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
92-87-5	Benzidine	ND	25	15	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	4.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	2.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	1.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	

Method Blank Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20601-MB	U002233.D	1	05/24/07	NJ	05/16/07	OP20601	SU112

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49499-1, F49499-2, F49499-3, F49499-7

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	1.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	2.5	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	2.5	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	2.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
88-74-4	2-Nitroaniline	ND	10	4.0	ug/l	
99-09-2	3-Nitroaniline	ND	10	4.0	ug/l	
100-01-6	4-Nitroaniline	ND	10	4.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	38%	14-62%
4165-62-2	Phenol-d5	25%	10-40%

Method Blank Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20601-MB	U002233.D	1	05/24/07	NJ	05/16/07	OP20601	SU112

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49499-1, F49499-2, F49499-3, F49499-7

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	68%	33-118%
4165-60-0	Nitrobenzene-d5	70%	42-108%
321-60-8	2-Fluorobiphenyl	66%	40-106%
1718-51-0	Terphenyl-d14	81%	39-121%

Method Blank Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20642-MB	L036548.D	1	05/23/07	RB	05/18/07	OP20642	SL1874

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49499-4, F49499-5, F49499-6

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	2.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	2.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	5.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	2.0	ug/l	
	3&4-Methylphenol	ND	5.0	2.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	2.0	ug/l	
100-02-7	4-Nitrophenol	ND	25	10	ug/l	
87-86-5	Pentachlorophenol	ND	25	10	ug/l	
108-95-2	Phenol	ND	5.0	2.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.0	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
92-87-5	Benzidine	ND	25	15	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	4.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	2.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	1.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	

Method Blank Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20642-MB	L036548.D	1	05/23/07	RB	05/18/07	OP20642	SL1874

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49499-4, F49499-5, F49499-6

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	1.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	2.5	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	2.5	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	2.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
88-74-4	2-Nitroaniline	ND	10	4.0	ug/l	
99-09-2	3-Nitroaniline	ND	10	4.0	ug/l	
100-01-6	4-Nitroaniline	ND	10	4.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	36%	14-62%
4165-62-2	Phenol-d5	25%	10-40%

Method Blank Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20642-MB	L036548.D	1	05/23/07	RB	05/18/07	OP20642	SL1874

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49499-4, F49499-5, F49499-6

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	74%	33-118%
4165-60-0	Nitrobenzene-d5	72%	42-108%
321-60-8	2-Fluorobiphenyl	68%	40-106%
1718-51-0	Terphenyl-d14	81%	39-121%

Method Blank Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20642-MB	L036572.D	1	05/24/07	RB	05/18/07	OP20642	SL1875

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49499-4, F49499-5, F49499-6

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	2.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	2.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	5.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	2.0	ug/l	
	3&4-Methylphenol	ND	5.0	2.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	2.0	ug/l	
100-02-7	4-Nitrophenol	ND	25	10	ug/l	
87-86-5	Pentachlorophenol	ND	25	10	ug/l	
108-95-2	Phenol	ND	5.0	2.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.0	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
92-87-5	Benzidine	ND	25	15	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	4.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	2.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	1.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	

Method Blank Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20642-MB	L036572.D	1	05/24/07	RB	05/18/07	OP20642	SL1875

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49499-4, F49499-5, F49499-6

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	1.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	2.5	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	2.5	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	2.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
88-74-4	2-Nitroaniline	ND	10	4.0	ug/l	
99-09-2	3-Nitroaniline	ND	10	4.0	ug/l	
100-01-6	4-Nitroaniline	ND	10	4.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	37%	14-62%
4165-62-2	Phenol-d5	25%	10-40%

Method Blank Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20642-MB	L036572.D	1	05/24/07	RB	05/18/07	OP20642	SL1875

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49499-4, F49499-5, F49499-6

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	77%	33-118%
4165-60-0	Nitrobenzene-d5	71%	42-108%
321-60-8	2-Fluorobiphenyl	68%	40-106%
1718-51-0	Terphenyl-d14	83%	39-121%

Blank Spike Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20601-BS	U002199.D	1	05/23/07	NJ	05/16/07	OP20601	SU111

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49499-1, F49499-2, F49499-3, F49499-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-57-8	2-Chlorophenol	50	34.5	69	44-103
59-50-7	4-Chloro-3-methyl phenol	50	37.8	76	53-105
120-83-2	2,4-Dichlorophenol	50	40.9	82	53-108
105-67-9	2,4-Dimethylphenol	50	31.7	63	37-91
51-28-5	2,4-Dinitrophenol	100	68.7	69	37-111
534-52-1	4,6-Dinitro-o-cresol	100	83.3	83	62-115
95-48-7	2-Methylphenol	50	27.7	55	35-91
	3&4-Methylphenol	100	49.5	50	32-85
88-75-5	2-Nitrophenol	50	41.2	82	49-111
100-02-7	4-Nitrophenol	100	24.6	25	13-55
87-86-5	Pentachlorophenol	100	82.4	82	57-118
108-95-2	Phenol	50	11.4	23	13-54
95-95-4	2,4,5-Trichlorophenol	50	40.1	80	59-106
88-06-2	2,4,6-Trichlorophenol	50	40.4	81	58-107
83-32-9	Acenaphthene	50	40.9	82	58-106
208-96-8	Acenaphthylene	50	40.6	81	58-105
120-12-7	Anthracene	50	41.9	84	65-108
92-87-5	Benzidine	50	21.3	43	15-73
56-55-3	Benzo(a)anthracene	50	40.6	81	63-111
50-32-8	Benzo(a)pyrene	50	40.9	82	62-106
205-99-2	Benzo(b)fluoranthene	50	40.3	81	63-109
191-24-2	Benzo(g,h,i)perylene	50	40.3	81	61-111
207-08-9	Benzo(k)fluoranthene	50	42.5	85	64-111
101-55-3	4-Bromophenyl phenyl ether	50	40.9	82	64-107
85-68-7	Butyl benzyl phthalate	50	37.7	75	59-114
100-51-6	Benzyl Alcohol	50	27.5	55	34-98
91-58-7	2-Chloronaphthalene	50	38.7	77	54-105
106-47-8	4-Chloroaniline	50	39.7	79	53-103
218-01-9	Chrysene	50	40.9	82	64-111
111-91-1	bis(2-Chloroethoxy)methane	50	35.6	71	48-101
111-44-4	bis(2-Chloroethyl)ether	50	36.5	73	51-108
108-60-1	bis(2-Chloroisopropyl)ether	50	32.6	65	43-106
7005-72-3	4-Chlorophenyl phenyl ether	50	39.9	80	61-107
95-50-1	1,2-Dichlorobenzene	50	33.5	67	41-102
541-73-1	1,3-Dichlorobenzene	50	31.9	64	38-100
106-46-7	1,4-Dichlorobenzene	50	32.3	65	40-100

Blank Spike Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20601-BS	U002199.D	1	05/23/07	NJ	05/16/07	OP20601	SU111

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49499-1, F49499-2, F49499-3, F49499-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
121-14-2	2,4-Dinitrotoluene	50	41.4	83	60-109
606-20-2	2,6-Dinitrotoluene	50	37.8	76	58-104
91-94-1	3,3'-Dichlorobenzidine	50	39.5	79	57-105
53-70-3	Dibenzo(a,h)anthracene	50	39.7	79	62-112
132-64-9	Dibenzofuran	50	39.7	79	61-108
84-74-2	Di-n-butyl phthalate	50	40.6	81	62-109
117-84-0	Di-n-octyl phthalate	50	35.7	71	60-120
84-66-2	Diethyl phthalate	50	40.9	82	62-109
131-11-3	Dimethyl phthalate	50	40.4	81	63-106
117-81-7	bis(2-Ethylhexyl)phthalate	50	36.2	72	59-116
206-44-0	Fluoranthene	50	42.4	85	65-114
86-73-7	Fluorene	50	41.3	83	61-106
118-74-1	Hexachlorobenzene	50	41.4	83	62-107
87-68-3	Hexachlorobutadiene	50	35.3	71	38-107
77-47-4	Hexachlorocyclopentadiene	50	29.1	58	19-84
67-72-1	Hexachloroethane	50	29.3	59	35-101
193-39-5	Indeno(1,2,3-cd)pyrene	50	40.1	80	61-113
78-59-1	Isophorone	50	40.0	80	56-111
91-57-6	2-Methylnaphthalene	50	39.6	79	56-112
88-74-4	2-Nitroaniline	50	40.0	80	60-109
99-09-2	3-Nitroaniline	50	39.1	78	52-107
100-01-6	4-Nitroaniline	50	40.3	81	59-111
91-20-3	Naphthalene	50	37.6	75	50-104
98-95-3	Nitrobenzene	50	38.5	77	52-105
621-64-7	N-Nitroso-di-n-propylamine	50	37.8	76	51-104
86-30-6	N-Nitrosodiphenylamine	50	40.3	81	57-110
85-01-8	Phenanthrene	50	41.4	83	65-108
129-00-0	Pyrene	50	41.0	82	60-113
120-82-1	1,2,4-Trichlorobenzene	50	35.4	71	45-104

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	37%	14-62%
4165-62-2	Phenol-d5	23%	10-40%
118-79-6	2,4,6-Tribromophenol	85%	33-118%

Blank Spike Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20601-BS	U002199.D	1	05/23/07	NJ	05/16/07	OP20601	SU111

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49499-1, F49499-2, F49499-3, F49499-7

CAS No.	Surrogate Recoveries	BSP	Limits
4165-60-0	Nitrobenzene-d5	79%	42-108%
321-60-8	2-Fluorobiphenyl	76%	40-106%
1718-51-0	Terphenyl-d14	81%	39-121%

Blank Spike Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20642-BS	L036547.D	1	05/23/07	RB	05/18/07	OP20642	SL1874

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49499-4, F49499-5, F49499-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	100	13.7	14	10-50
95-57-8	2-Chlorophenol	50	32.8	66	44-103
59-50-7	4-Chloro-3-methyl phenol	50	35.4	71	53-105
120-83-2	2,4-Dichlorophenol	50	35.6	71	53-108
105-67-9	2,4-Dimethylphenol	50	28.9	58	37-91
51-28-5	2,4-Dinitrophenol	100	76.6	77	37-111
534-52-1	4,6-Dinitro-o-cresol	100	82.2	82	62-115
95-48-7	2-Methylphenol	50	28.2	56	35-91
	3&4-Methylphenol	100	50.7	51	32-85
88-75-5	2-Nitrophenol	50	37.4	75	49-111
100-02-7	4-Nitrophenol	100	26.1	26	13-55
87-86-5	Pentachlorophenol	100	69.8	70	57-118
108-95-2	Phenol	50	15.0	30	13-54
95-95-4	2,4,5-Trichlorophenol	50	35.9	72	59-106
88-06-2	2,4,6-Trichlorophenol	50	36.3	73	58-107
83-32-9	Acenaphthene	50	37.9	76	58-106
208-96-8	Acenaphthylene	50	37.9	76	58-105
120-12-7	Anthracene	50	38.9	78	65-108
92-87-5	Benzidine	50	18.9	38	15-73
56-55-3	Benzo(a)anthracene	50	37.5	75	63-111
50-32-8	Benzo(a)pyrene	50	37.6	75	62-106
205-99-2	Benzo(b)fluoranthene	50	38.1	76	63-109
191-24-2	Benzo(g,h,i)perylene	50	38.3	77	61-111
207-08-9	Benzo(k)fluoranthene	50	39.8	80	64-111
101-55-3	4-Bromophenyl phenyl ether	50	36.9	74	64-107
85-68-7	Butyl benzyl phthalate	50	37.6	75	59-114
100-51-6	Benzyl Alcohol	50	29.2	58	34-98
91-58-7	2-Chloronaphthalene	50	35.2	70	54-105
106-47-8	4-Chloroaniline	50	35.4	71	53-103
218-01-9	Chrysene	50	37.6	75	64-111
111-91-1	bis(2-Chloroethoxy)methane	50	33.2	66	48-101
111-44-4	bis(2-Chloroethyl)ether	50	35.4	71	51-108
108-60-1	bis(2-Chloroisopropyl)ether	50	36.6	73	43-106
7005-72-3	4-Chlorophenyl phenyl ether	50	36.2	72	61-107
95-50-1	1,2-Dichlorobenzene	50	33.0	66	41-102
541-73-1	1,3-Dichlorobenzene	50	32.0	64	38-100

Blank Spike Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20642-BS	L036547.D	1	05/23/07	RB	05/18/07	OP20642	SL1874

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49499-4, F49499-5, F49499-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
106-46-7	1,4-Dichlorobenzene	50	31.9	64	40-100
121-14-2	2,4-Dinitrotoluene	50	38.0	76	60-109
606-20-2	2,6-Dinitrotoluene	50	37.5	75	58-104
91-94-1	3,3'-Dichlorobenzidine	50	35.3	71	57-105
53-70-3	Dibenzo(a,h)anthracene	50	38.3	77	62-112
132-64-9	Dibenzofuran	50	37.3	75	61-108
84-74-2	Di-n-butyl phthalate	50	38.5	77	62-109
117-84-0	Di-n-octyl phthalate	50	38.8	78	60-120
84-66-2	Diethyl phthalate	50	38.5	77	62-109
131-11-3	Dimethyl phthalate	50	37.3	75	63-106
117-81-7	bis(2-Ethylhexyl)phthalate	50	38.4	77	59-116
206-44-0	Fluoranthene	50	38.7	77	65-114
86-73-7	Fluorene	50	38.2	76	61-106
118-74-1	Hexachlorobenzene	50	36.4	73	62-107
87-68-3	Hexachlorobutadiene	50	32.9	66	38-107
77-47-4	Hexachlorocyclopentadiene	50	25.0	50	19-84
67-72-1	Hexachloroethane	50	32.1	64	35-101
193-39-5	Indeno(1,2,3-cd)pyrene	50	38.6	77	61-113
78-59-1	Isophorone	50	37.2	74	56-111
91-57-6	2-Methylnaphthalene	50	37.0	74	56-112
88-74-4	2-Nitroaniline	50	40.4	81	60-109
99-09-2	3-Nitroaniline	50	39.4	79	52-107
100-01-6	4-Nitroaniline	50	39.8	80	59-111
91-20-3	Naphthalene	50	34.7	69	50-104
98-95-3	Nitrobenzene	50	36.4	73	52-105
621-64-7	N-Nitroso-di-n-propylamine	50	36.5	73	51-104
86-30-6	N-Nitrosodiphenylamine	50	37.6	75	57-110
85-01-8	Phenanthrene	50	38.8	78	65-108
129-00-0	Pyrene	50	38.2	76	60-113
120-82-1	1,2,4-Trichlorobenzene	50	32.3	65	45-104

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	39%	14-62%
4165-62-2	Phenol-d5	27%	10-40%

Blank Spike Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20642-BS	L036547.D	1	05/23/07	RB	05/18/07	OP20642	SL1874

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49499-4, F49499-5, F49499-6

CAS No.	Surrogate Recoveries	BSP	Limits
118-79-6	2,4,6-Tribromophenol	76%	33-118%
4165-60-0	Nitrobenzene-d5	74%	42-108%
321-60-8	2-Fluorobiphenyl	71%	40-106%
1718-51-0	Terphenyl-d14	74%	39-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20601-MS	U002218.D	1	05/23/07	NJ	05/16/07	OP20601	SU111
OP20601-MSD	U002219.D	1	05/23/07	NJ	05/16/07	OP20601	SU111
F49469-1	U002217.D	1	05/23/07	NJ	05/16/07	OP20601	SU111

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49499-1, F49499-2, F49499-3, F49499-7

CAS No.	Compound	F49469-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	ND		192	56.8	30	61.3	32	8	10-50/40
95-57-8	2-Chlorophenol	ND		96.2	61.0	63	70.2	73	14	44-103/29
59-50-7	4-Chloro-3-methyl phenol	ND		96.2	73.3	76	77.6	81	6	53-105/24
120-83-2	2,4-Dichlorophenol	ND		96.2	68.7	71	78.3	81	13	53-108/26
105-67-9	2,4-Dimethylphenol	ND		96.2	49.7	52	50.4	52	1	37-91/28
51-28-5	2,4-Dinitrophenol	ND		192	135	70	143	74	6	37-111/30
534-52-1	4,6-Dinitro-o-cresol	ND		192	161	84	166	86	3	62-115/26
95-48-7	2-Methylphenol	ND		96.2	55.5	58	66.7	69	18	35-91/30
	3&4-Methylphenol	ND		192	106	55	129	67	20	32-85/29
88-75-5	2-Nitrophenol	ND		96.2	68.5	71	78.0	81	13	49-111/30
100-02-7	4-Nitrophenol	ND		192	89.4	46	94.5	49	6	13-55/31
87-86-5	Pentachlorophenol	ND		192	162	84	166	86	2	57-118/26
108-95-2	Phenol	ND		96.2	33.7	35	46.9	49	33	13-54/34
95-95-4	2,4,5-Trichlorophenol	ND		96.2	76.8	80	80.4	84	5	59-106/23
88-06-2	2,4,6-Trichlorophenol	ND		96.2	73.9	77	79.3	82	7	58-107/24
83-32-9	Acenaphthene	ND		96.2	73.7	77	76.9	80	4	58-106/21
208-96-8	Acenaphthylene	ND		96.2	73.2	76	77.3	80	5	58-105/21
120-12-7	Anthracene	ND		96.2	80.8	84	78.0	81	4	65-108/19
92-87-5	Benzidine	ND		96.2	ND	0*	ND	0*	nc	15-73/23
56-55-3	Benzo(a)anthracene	ND		96.2	81.5	85	80.0	83	2	63-111/19
50-32-8	Benzo(a)pyrene	ND		96.2	81.2	84	78.0	81	4	62-106/20
205-99-2	Benzo(b)fluoranthene	ND		96.2	80.3	84	81.7	85	2	63-109/20
191-24-2	Benzo(g,h,i)perylene	ND		96.2	84.7	88	77.8	81	8	61-111/21
207-08-9	Benzo(k)fluoranthene	ND		96.2	84.0	87	81.0	84	4	64-111/20
101-55-3	4-Bromophenyl phenyl ether	ND		96.2	79.8	83	80.7	84	1	64-107/20
85-68-7	Butyl benzyl phthalate	ND		96.2	74.0	77	75.4	78	2	59-114/20
100-51-6	Benzyl Alcohol	ND		96.2	59.8	62	65.7	68	9	34-98/27
91-58-7	2-Chloronaphthalene	ND		96.2	68.7	71	74.6	78	8	54-105/24
106-47-8	4-Chloroaniline	ND		96.2	64.7	67	68.8	72	6	53-103/22
218-01-9	Chrysene	ND		96.2	81.5	85	80.1	83	2	64-111/19
111-91-1	bis(2-Chloroethoxy)methane	ND		96.2	57.1	59	65.5	68	14	48-101/28
111-44-4	bis(2-Chloroethyl)ether	ND		96.2	58.3	61	67.0	70	14	51-108/27
108-60-1	bis(2-Chloroisopropyl)ether	ND		96.2	48.5	50	56.9	59	16	43-106/27
7005-72-3	4-Chlorophenyl phenyl ether	ND		96.2	75.8	79	76.5	80	1	61-107/20
95-50-1	1,2-Dichlorobenzene	ND		96.2	61.5	64	71.2	74	15	41-102/28
541-73-1	1,3-Dichlorobenzene	ND		96.2	59.4	62	69.5	72	16	38-100/28

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20601-MS	U002218.D	1	05/23/07	NJ	05/16/07	OP20601	SU111
OP20601-MSD	U002219.D	1	05/23/07	NJ	05/16/07	OP20601	SU111
F49469-1	U002217.D	1	05/23/07	NJ	05/16/07	OP20601	SU111

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49499-1, F49499-2, F49499-3, F49499-7

CAS No.	Compound	F49469-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
106-46-7	1,4-Dichlorobenzene	ND		96.2	59.0	61	69.4	72	16	40-100/28
121-14-2	2,4-Dinitrotoluene	ND		96.2	80.6	84	78.2	81	3	60-109/20
606-20-2	2,6-Dinitrotoluene	ND		96.2	75.1	78	74.0	77	1	58-104/21
91-94-1	3,3'-Dichlorobenzidine	ND		96.2	62.2	65	51.3	53*	19	57-105/25
53-70-3	Dibenzo(a,h)anthracene	ND		96.2	83.7	87	76.5	80	9	62-112/20
132-64-9	Dibenzofuran	ND		96.2	73.1	76	75.5	79	3	61-108/20
84-74-2	Di-n-butyl phthalate	ND		96.2	77.4	80	76.9	80	1	62-109/20
117-84-0	Di-n-octyl phthalate	ND		96.2	67.5	70	72.2	75	7	60-120/24
84-66-2	Diethyl phthalate	ND		96.2	78.4	82	77.2	80	2	62-109/19
131-11-3	Dimethyl phthalate	ND		96.2	77.7	81	77.6	81	0	63-106/19
117-81-7	bis(2-Ethylhexyl)phthalate	ND		96.2	68.9	72	71.7	75	4	59-116/21
206-44-0	Fluoranthene	ND		96.2	82.5	86	79.6	83	4	65-114/21
86-73-7	Fluorene	ND		96.2	77.9	81	78.1	81	0	61-106/19
118-74-1	Hexachlorobenzene	ND		96.2	81.4	85	79.8	83	2	62-107/20
87-68-3	Hexachlorobutadiene	ND		96.2	67.3	70	79.2	82	16	38-107/30
77-47-4	Hexachlorocyclopentadiene	ND		96.2	48.8	51	58.6	61	18	19-84/35
67-72-1	Hexachloroethane	ND		96.2	58.4	61	70.2	73	18	35-101/29
193-39-5	Indeno(1,2,3-cd)pyrene	ND		96.2	84.8	88	79.5	83	6	61-113/20
78-59-1	Isophorone	ND		96.2	66.1	69	73.2	76	10	56-111/26
91-57-6	2-Methylnaphthalene	ND		96.2	67.4	70	75.5	79	11	56-112/26
88-74-4	2-Nitroaniline	ND		96.2	74.8	78	67.3	70	11	60-109/20
99-09-2	3-Nitroaniline	ND		96.2	75.1	78	70.7	74	6	52-107/21
100-01-6	4-Nitroaniline	ND		96.2	76.6	80	68.3	71	11	59-111/21
91-20-3	Naphthalene	ND		96.2	64.6	67	72.3	75	11	50-104/28
98-95-3	Nitrobenzene	ND		96.2	63.2	66	73.5	76	15	52-105/28
621-64-7	N-Nitroso-di-n-propylamine	ND		96.2	59.2	62	66.6	69	12	51-104/28
86-30-6	N-Nitrosodiphenylamine	ND		96.2	79.3	82	78.2	81	1	57-110/19
85-01-8	Phenanthrene	ND		96.2	81.2	84	79.6	83	2	65-108/20
129-00-0	Pyrene	ND		96.2	82.1	85	82.6	86	1	60-113/20
120-82-1	1,2,4-Trichlorobenzene	ND		96.2	64.5	67	73.5	76	13	45-104/28

CAS No.	Surrogate Recoveries	MS	MSD	F49469-1	Limits
367-12-4	2-Fluorophenol	46%	56%	31%	14-62%
4165-62-2	Phenol-d5	36%	49%*	21%	10-40%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20601-MS	U002218.D	1	05/23/07	NJ	05/16/07	OP20601	SU111
OP20601-MSD	U002219.D	1	05/23/07	NJ	05/16/07	OP20601	SU111
F49469-1	U002217.D	1	05/23/07	NJ	05/16/07	OP20601	SU111

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49499-1, F49499-2, F49499-3, F49499-7

CAS No.	Surrogate Recoveries	MS	MSD	F49469-1	Limits
118-79-6	2,4,6-Tribromophenol	87%	86%	76%	33-118%
4165-60-0	Nitrobenzene-d5	66%	74%	67%	42-108%
321-60-8	2-Fluorobiphenyl	68%	75%	66%	40-106%
1718-51-0	Terphenyl-d14	80%	82%	49%	39-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20642-MS	L036573.D	1	05/24/07	RB	05/18/07	OP20642	SL1875
OP20642-MSD	L036574.D	1	05/24/07	RB	05/18/07	OP20642	SL1875
F49587-1	L036567.D	1	05/23/07	RB	05/18/07	OP20642	SL1874

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49499-4, F49499-5, F49499-6

CAS No.	Compound	F49587-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	ND		200	60.2	30	69.6	35	14	10-50/40
95-57-8	2-Chlorophenol	ND		100	69.6	70	83.2	83	18	44-103/29
59-50-7	4-Chloro-3-methyl phenol	ND		100	75.8	76	84.1	84	10	53-105/24
120-83-2	2,4-Dichlorophenol	ND		100	74.5	75	86.4	86	15	53-108/26
105-67-9	2,4-Dimethylphenol	ND		100	60.2	60	67.8	68	12	37-91/28
51-28-5	2,4-Dinitrophenol	ND		200	157	79	167	84	6	37-111/30
534-52-1	4,6-Dinitro-o-cresol	ND		200	172	86	191	96	10	62-115/26
95-48-7	2-Methylphenol	ND		100	66.2	66	77.8	78	16	35-91/30
	3&4-Methylphenol	ND		200	124	62	151	76	20	32-85/29
88-75-5	2-Nitrophenol	ND		100	79.7	80	93.1	93	16	49-111/30
100-02-7	4-Nitrophenol	ND		200	87.3	44	97.7	49	11	13-55/31
87-86-5	Pentachlorophenol	ND		200	146	73	164	82	12	57-118/26
108-95-2	Phenol	ND		100	46.1	46	57.6	58*	22	13-54/34
95-95-4	2,4,5-Trichlorophenol	ND		100	76.3	76	86.5	87	13	59-106/23
88-06-2	2,4,6-Trichlorophenol	ND		100	75.4	75	85.1	85	12	58-107/24
83-32-9	Acenaphthene	ND		100	79.2	79	89.7	90	12	58-106/21
208-96-8	Acenaphthylene	ND		100	79.7	80	90.5	91	13	58-105/21
120-12-7	Anthracene	ND		100	81.1	81	93.1	93	14	65-108/19
92-87-5	Benzidine	ND		100	ND	0*	ND	0*	nc	15-73/23
56-55-3	Benzo(a)anthracene	ND		100	79.0	79	89.8	90	13	63-111/19
50-32-8	Benzo(a)pyrene	ND		100	79.0	79	89.9	90	13	62-106/20
205-99-2	Benzo(b)fluoranthene	ND		100	82.0	82	92.6	93	12	63-109/20
191-24-2	Benzo(g,h,i)perylene	ND		100	76.8	77	88.3	88	14	61-111/21
207-08-9	Benzo(k)fluoranthene	ND		100	83.1	83	95.5	96	14	64-111/20
101-55-3	4-Bromophenyl phenyl ether	ND		100	80.5	81	89.2	89	10	64-107/20
85-68-7	Butyl benzyl phthalate	ND		100	81.7	82	91.9	92	12	59-114/20
100-51-6	Benzyl Alcohol	ND		100	68.9	69	83.6	84	19	34-98/27
91-58-7	2-Chloronaphthalene	ND		100	75.8	76	86.4	86	13	54-105/24
106-47-8	4-Chloroaniline	ND		100	68.3	68	78.8	79	14	53-103/22
218-01-9	Chrysene	ND		100	79.5	80	90.4	90	13	64-111/19
111-91-1	bis(2-Chloroethoxy)methane	ND		100	69.9	70	82.4	82	16	48-101/28
111-44-4	bis(2-Chloroethyl)ether	ND		100	73.1	73	87.5	88	18	51-108/27
108-60-1	bis(2-Chloroisopropyl)ether	ND		100	74.2	74	90.5	91	20	43-106/27
7005-72-3	4-Chlorophenyl phenyl ether	ND		100	76.7	77	87.4	87	13	61-107/20
95-50-1	1,2-Dichlorobenzene	ND		100	70.5	71	84.8	85	18	41-102/28
541-73-1	1,3-Dichlorobenzene	ND		100	69.6	70	83.2	83	18	38-100/28

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20642-MS	L036573.D	1	05/24/07	RB	05/18/07	OP20642	SL1875
OP20642-MSD	L036574.D	1	05/24/07	RB	05/18/07	OP20642	SL1875
F49587-1	L036567.D	1	05/23/07	RB	05/18/07	OP20642	SL1874

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49499-4, F49499-5, F49499-6

CAS No.	Compound	F49587-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
106-46-7	1,4-Dichlorobenzene	ND		100	69.7	70	82.4	82	17	40-100/28
121-14-2	2,4-Dinitrotoluene	ND		100	78.2	78	88.8	89	13	60-109/20
606-20-2	2,6-Dinitrotoluene	ND		100	80.8	81	91.0	91	12	58-104/21
91-94-1	3,3'-Dichlorobenzidine	ND		100	66.2	66	75.6	76	13	57-105/25
53-70-3	Dibenzo(a,h)anthracene	ND		100	80.0	80	91.9	92	14	62-112/20
132-64-9	Dibenzofuran	ND		100	77.3	77	87.9	88	13	61-108/20
84-74-2	Di-n-butyl phthalate	ND		100	80.1	80	90.9	91	13	62-109/20
117-84-0	Di-n-octyl phthalate	ND		100	85.5	86	95.2	95	11	60-120/24
84-66-2	Diethyl phthalate	ND		100	78.8	79	89.5	90	13	62-109/19
131-11-3	Dimethyl phthalate	ND		100	77.5	78	88.4	88	13	63-106/19
117-81-7	bis(2-Ethylhexyl)phthalate	ND		100	82.7	83	92.1	92	11	59-116/21
206-44-0	Fluoranthene	ND		100	77.3	77	89.3	89	14	65-114/21
86-73-7	Fluorene	ND		100	78.5	79	87.9	88	11	61-106/19
118-74-1	Hexachlorobenzene	ND		100	77.8	78	88.3	88	13	62-107/20
87-68-3	Hexachlorobutadiene	ND		100	71.8	72	85.9	86	18	38-107/30
77-47-4	Hexachlorocyclopentadiene	ND		100	62.6	63	68.1	68	8	19-84/35
67-72-1	Hexachloroethane	ND		100	71.8	72	83.5	84	15	35-101/29
193-39-5	Indeno(1,2,3-cd)pyrene	ND		100	77.4	77	89.8	90	15	61-113/20
78-59-1	Isophorone	ND		100	77.2	77	88.6	89	14	56-111/26
91-57-6	2-Methylnaphthalene	ND		100	76.6	77	89.0	89	15	56-112/26
88-74-4	2-Nitroaniline	ND		100	82.3	82	93.0	93	12	60-109/20
99-09-2	3-Nitroaniline	ND		100	77.9	78	87.8	88	12	52-107/21
100-01-6	4-Nitroaniline	ND		100	77.3	77	94.0	94	19	59-111/21
91-20-3	Naphthalene	ND		100	73.5	74	86.5	87	16	50-104/28
98-95-3	Nitrobenzene	ND		100	75.6	76	87.0	87	14	52-105/28
621-64-7	N-Nitroso-di-n-propylamine	ND		100	73.3	73	87.8	88	18	51-104/28
86-30-6	N-Nitrosodiphenylamine	ND		100	80.3	80	91.3	91	13	57-110/19
85-01-8	Phenanthrene	ND		100	81.8	82	93.3	93	13	65-108/20
129-00-0	Pyrene	ND		100	85.7	86	96.1	96	11	60-113/20
120-82-1	1,2,4-Trichlorobenzene	ND		100	70.6	71	81.3	81	14	45-104/28

CAS No.	Surrogate Recoveries	MS	MSD	F49587-1	Limits
367-12-4	2-Fluorophenol	54%	66%*	36%	14-62%
4165-62-2	Phenol-d5	43%*	53%*	22%	10-40%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20642-MS	L036573.D	1	05/24/07	RB	05/18/07	OP20642	SL1875
OP20642-MSD	L036574.D	1	05/24/07	RB	05/18/07	OP20642	SL1875
F49587-1	L036567.D	1	05/23/07	RB	05/18/07	OP20642	SL1874

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49499-4, F49499-5, F49499-6

CAS No.	Surrogate Recoveries	MS	MSD	F49587-1	Limits
118-79-6	2,4,6-Tribromophenol	80%	89%	73%	33-118%
4165-60-0	Nitrobenzene-d5	75%	89%	72%	42-108%
321-60-8	2-Fluorobiphenyl	74%	85%	68%	40-106%
1718-51-0	Terphenyl-d14	76%	83%	57%	39-121%

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GHH1154-MB	HH026269.D	1	05/22/07	TD	n/a	n/a	GHH1154

The QC reported here applies to the following samples: **Method:** SW846 8015

F49499-1, F49499-3, F49499-4, F49499-5, F49499-6, F49499-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	100%	57-129%
98-08-8	aaa-Trifluorotoluene	89%	58-120%

Method Blank Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3206-MB	CD077309.D	1	05/24/07	MM	n/a	n/a	GCD3206

The QC reported here applies to the following samples: **Method:** SW846 8015

F49499-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	96%	57-129%
98-08-8	aaa-Trifluorotoluene	93%	58-120%

Blank Spike Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GHH1154-BS	HH026268.D	1	05/22/07	TD	n/a	n/a	GHH1154

The QC reported here applies to the following samples: **Method:** SW846 8015

F49499-1, F49499-3, F49499-4, F49499-5, F49499-6, F49499-7

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	0.4	0.482	121	75-129

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	109%	57-129%
98-08-8	aaa-Trifluorotoluene	99%	58-120%

Blank Spike Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3206-BS	CD077308.D	1	05/24/07	MM	n/a	n/a	GCD3206

The QC reported here applies to the following samples: **Method:** SW846 8015

F49499-2

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	0.4	0.511	128	75-129

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	104%	57-129%
98-08-8	aaa-Trifluorotoluene	105%	58-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49499-1MS	HH026282.D	10	05/22/07	TD	n/a	n/a	GHH1154
F49499-1MSD	HH026283.D	10	05/22/07	TD	n/a	n/a	GHH1154
F49499-1	HH026273.D	10	05/22/07	TD	n/a	n/a	GHH1154

The QC reported here applies to the following samples: **Method:** SW846 8015

F49499-1, F49499-3, F49499-4, F49499-5, F49499-6, F49499-7

CAS No.	Compound	F49499-1 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	2.51		4	6.89	110	6.52	100	6	75-129/13

CAS No.	Surrogate Recoveries	MS	MSD	F49499-1	Limits
460-00-4	4-Bromofluorobenzene	108%	107%	96%	57-129%
98-08-8	aaa-Trifluorotoluene	97%	91%	81%	58-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49748-4AMS	CD077320.D	1	05/24/07	MM	n/a	n/a	GCD3206
F49748-4AMSD	CD077321.D	1	05/24/07	MM	n/a	n/a	GCD3206
F49748-4A	CD077313.D	1	05/24/07	MM	n/a	n/a	GCD3206

The QC reported here applies to the following samples: **Method:** SW846 8015

F49499-2

CAS No.	Compound	F49748-4A mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	0.187		0.4	0.643	114	0.650	116	1	75-129/13

CAS No.	Surrogate Recoveries	MS	MSD	F49748-4A	Limits
460-00-4	4-Bromofluorobenzene	116%	122%	99%	57-129%
98-08-8	aaa-Trifluorotoluene	104%	109%	95%	58-120%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20593-MB	YY02396.D	1	05/17/07	MG	05/16/07	OP20593	GYY93

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F49499-1, F49499-2, F49499-3, F49499-4, F49499-5, F49499-6, F49499-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.25	0.10	mg/l	
	TPH (> C22-C36)	ND	0.25	0.10	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	86%	42-114%

Method Blank Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20593-MB	YY02455.D	1	05/22/07	MG	05/16/07	OP20593	GYY96

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F49499-1, F49499-2, F49499-3, F49499-4, F49499-5, F49499-6, F49499-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.25	0.10	mg/l	
	TPH (> C22-C36)	ND	0.25	0.10	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	82%	42-114%

Method Blank Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20593-MB	YY02513.D	1	05/24/07	MG	05/16/07	OP20593	GYY97

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F49499-1, F49499-2, F49499-3, F49499-4, F49499-5, F49499-6, F49499-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.25	0.10	mg/l	
	TPH (> C22-C36)	ND	0.25	0.10	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	97%	42-114%

Blank Spike Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20593-BS	YY02395.D	1	05/17/07	MG	05/16/07	OP20593	GYY93

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F49499-1, F49499-2, F49499-3, F49499-4, F49499-5, F49499-6, F49499-7

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH (C10-C22)	1	0.784	78	60-140
	TPH (> C22-C36)	1	0.953	95	60-140

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	83%	42-114%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49499
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20593-MS	YY02407.D	1	05/17/07	MG	05/16/07	OP20593	GYY93
OP20593-MSD	YY02408.D	1	05/17/07	MG	05/16/07	OP20593	GYY93
F49469-1	YY02406.D	1	05/17/07	MG	05/16/07	OP20593	GYY93

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F49499-1, F49499-2, F49499-3, F49499-4, F49499-5, F49499-6, F49499-7

CAS No.	Compound	F49469-1 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		2	1.68	84	1.47	74	13	60-140/30
	TPH (> C22-C36)	ND		2	1.99	100	2.10	105	5	60-140/30

CAS No.	Surrogate Recoveries	MS	MSD	F49469-1	Limits
84-15-1	o-Terphenyl	85%	84%	81%	42-114%

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F49499
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12017 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/18/07

Metal	RL	IDL	MB raw	final
Mercury	1.0	.08	0.0040	<1.0

Associated samples MP12017: F49499-1, F49499-2, F49499-3, F49499-4, F49499-5, F49499-6, F49499-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F49499
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12017
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 05/18/07 05/18/07

Metal	F49499-1 Original	DUP	RPD	QC Limits	F49499-1 Original	MS	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.0	0.0	NC	0-20	0.0	2.6	3	86.7	80-120

Associated samples MP12017: F49499-1, F49499-2, F49499-3, F49499-4, F49499-5, F49499-6, F49499-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F49499
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12017 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/18/07

Metal	F49499-1 Original	MSD	Spikelot HGFLWS1	% Rec	MSD RPD	QC Limit
Mercury	0.0	2.6	3	86.7	0.0	20

Associated samples MP12017: F49499-1, F49499-2, F49499-3, F49499-4, F49499-5, F49499-6, F49499-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F49499
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12017
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 05/18/07

Metal	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	3.0	3	100.0	80-120

Associated samples MP12017: F49499-1, F49499-2, F49499-3, F49499-4, F49499-5, F49499-6, F49499-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: F49499
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12017
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 05/18/07

Metal	F49499-1 Original	SDL 1:5	RPD	QC Limits
Mercury	0.00	0.00	NC	0-10

Associated samples MP12017: F49499-1, F49499-2, F49499-3, F49499-4, F49499-5, F49499-6, F49499-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F49499
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12050
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 05/22/07

Metal	RL	IDL	MB raw	final
Aluminum	200	18		
Antimony	6.0	3.4		
Arsenic	10	2.8	-0.18	<10
Barium	200	5	0.060	<200
Beryllium	4.0	1		
Cadmium	5.0	1	-0.010	<5.0
Calcium	1000	42	anr	
Chromium	10	.6	-0.040	<10
Cobalt	50	1		
Copper	25	.9	anr	
Iron	300	12		
Lead	5.0	1.7	0.31	<5.0
Magnesium	5000	4.3		
Manganese	15	.6	anr	
Molybdenum	50	1.3		
Nickel	40	1		
Potassium	10000	10	anr	
Selenium	10	2	1.8	<10
Silver	10	.9	-0.52	<10
Sodium	10000	500	anr	
Thallium	10	2.3		
Tin	50	3.1		
Vanadium	50	.6		
Zinc	20	1.3		

Associated samples MP12050: F49499-1, F49499-2, F49499-3, F49499-4, F49499-5, F49499-6, F49499-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F49499
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12050
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date:			05/22/07					05/22/07	
Metal	F49499-1 Original	DUP	RPD	QC Limits	F49499-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic	13.5	12.7	6.1	0-20	13.5	2180	2000	108.3	80-120
Barium	17.1	17.2	0.6	0-20	17.1	2140	2000	106.1	80-120
Beryllium									
Cadmium	0.0	0.0	NC	0-20	0.0	49.1	50	98.2	80-120
Calcium	anr								
Chromium	1.1	0.76	36.6 (a)	0-20	1.1	189	200	94.0	80-120
Cobalt									
Copper	anr								
Iron									
Lead	0.0	0.0	NC	0-20	0.0	517	500	103.4	80-120
Magnesium									
Manganese	anr								
Molybdenum									
Nickel									
Potassium	anr								
Selenium	0.0	0.0	NC	0-20	0.0	2450	2000	122.5N(b	80-120
Silver	0.0	0.0	NC	0-20	0.0	61.3	50	122.6N(b	80-120
Sodium	anr								
Thallium									
Tin									
Vanadium									
Zinc									

Associated samples MP12050: F49499-1, F49499-2, F49499-3, F49499-4, F49499-5, F49499-6, F49499-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) RPD acceptable due to low duplicate and sample concentrations.
(b) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F49499
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12050 Methods: SW846 6010B
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/22/07

Metal	F49499-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	13.5	2200	2000	109.3	0.9	20
Barium	17.1	2150	2000	106.6	0.5	20
Beryllium						
Cadmium	0.0	49.6	50	99.2	1.0	20
Calcium	anr					
Chromium	1.1	191	200	95.0	1.1	20
Cobalt						
Copper	anr					
Iron						
Lead	0.0	520	500	104.0	0.6	20
Magnesium						
Manganese	anr					
Molybdenum						
Nickel						
Potassium	anr					
Selenium	0.0	2460	2000	123.0N(a	0.4	20
Silver	0.0	61.8	50	123.6N(a	0.8	20
Sodium	anr					
Thallium						
Tin						
Vanadium						
Zinc						

Associated samples MP12050: F49499-1, F49499-2, F49499-3, F49499-4, F49499-5, F49499-6, F49499-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F49499
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12050
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 05/22/07

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	2060	2000	103.0	80-120
Barium	2090	2000	104.5	80-120
Beryllium				
Cadmium	53.6	50	107.2	80-120
Calcium	anr			
Chromium	209	200	104.5	80-120
Cobalt				
Copper	anr			
Iron				
Lead	506	500	101.2	80-120
Magnesium				
Manganese	anr			
Molybdenum				
Nickel				
Potassium	anr			
Selenium	2030	2000	101.5	80-120
Silver	49.0	50	98.0	80-120
Sodium	anr			
Thallium				
Tin				
Vanadium				
Zinc				

Associated samples MP12050: F49499-1, F49499-2, F49499-3, F49499-4, F49499-5, F49499-6, F49499-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: F49499
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12050
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 05/22/07

Metal	F49499-1 Original	SDL 1:5	RPD	QC Limits
Aluminum				
Antimony				
Arsenic	13.5	0.00	100.0(a)	0-10
Barium	17.1	0.00	100.0(a)	0-10
Beryllium				
Cadmium	0.00	0.00	NC	0-10
Calcium	anr			
Chromium	1.09	0.00	100.0(a)	0-10
Cobalt				
Copper	anr			
Iron				
Lead	0.00	0.00	NC	0-10
Magnesium				
Manganese	anr			
Molybdenum				
Nickel				
Potassium	anr			
Selenium	0.00	0.00	NC	0-10
Silver	0.00	0.00	NC	0-10
Sodium	anr			
Thallium				
Tin				
Vanadium				
Zinc				

Associated samples MP12050: F49499-1, F49499-2, F49499-3, F49499-4, F49499-5, F49499-6, F49499-7

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: F49499
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Solids, Total Dissolved	GN25481	100	<100	mg/l				

Associated Samples:
Batch GN25481: F49499-1, F49499-2, F49499-3, F49499-4, F49499-5, F49499-6, F49499-7
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: F49499
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Solids, Total Dissolved	GN25481	F49499-1	mg/l	14600	13300	1.8	0-30%

Associated Samples:
Batch GN25481: F49499-1, F49499-2, F49499-3, F49499-4, F49499-5, F49499-6, F49499-7
(*) Outside of QC limits

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

10/29/08

Technical Report for

Bhate Environmental Associates, Inc.

HOLMN

PROJECT # 9050361.01.02

Accutest Job Number: F49536

Sampling Dates: 05/11/07 - 05/12/07

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **99**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Sections: 1 2 3 4 5 6 7 8 9 10

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F49536-1: SS61-TMW70 7
3.2: F49536-2: SS61-MW14 17
3.3: F49536-3: SS61-MW13 27
3.4: F49536-4: SS61-TRIP BLANK 37
Section 4: Misc. Forms **40**
4.1: Chain of Custody 41
Section 5: GC/MS Volatiles - QC Data Summaries **43**
5.1: Method Blank Summary 44
5.2: Blank Spike Summary 50
5.3: Matrix Spike/Matrix Spike Duplicate Summary 56
Section 6: GC/MS Semi-volatiles - QC Data Summaries **62**
6.1: Method Blank Summary 63
6.2: Blank Spike Summary 69
6.3: Matrix Spike/Matrix Spike Duplicate Summary 72
Section 7: GC Volatiles - QC Data Summaries **75**
7.1: Method Blank Summary 76
7.2: Blank Spike Summary 78
7.3: Matrix Spike/Matrix Spike Duplicate Summary 80
Section 8: GC Semi-volatiles - QC Data Summaries **82**
8.1: Method Blank Summary 83
8.2: Blank Spike Summary 84
8.3: Matrix Spike/Matrix Spike Duplicate Summary 85
Section 9: Metals Analysis - QC Data Summaries **86**
9.1: Prep QC MP12017: Hg 87
9.2: Prep QC MP12039: As,Ba,Cd,Cr,Pb,Se,Ag 92
Section 10: General Chemistry - QC Data Summaries **97**
10.1: Method Blank and Spike Results Summary 98
10.2: Duplicate Results Summary 99

Sample Summary

Bhate Environmental Associates, Inc.

Job No: F49536

HOLMN
Project No: PROJECT # 9050361.01.02

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F49536-1	05/11/07	12:15	CM	05/15/07	AQ	Ground Water	SS61-TMW70
F49536-2	05/12/07	08:10	CM	05/15/07	AQ	Ground Water	SS61-MW14
F49536-3	05/12/07	09:55	CM	05/15/07	AQ	Ground Water	SS61-MW13
F49536-4	05/12/07	00:00	CM	05/15/07	AQ	Trip Blank Water	SS61-TRIP BLANK

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Bhate Environmental Associates, Inc. **Job No:** F49536

Site: HOLMN **Report Date** 5/30/2007 1:59:11 PM

3 Samples, 1 Trip Blank were collected on between 05/11/2007 and 05/12/2007 and received at Accutest on 05/15/2007 properly preserved, at 1.4 Deg. C and intact. These Samples received an Accutest job number of F49536. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VJ2132

All samples were analyzed within the recommended method holding time.

Sample(s) F49499-1MS, F49499-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for Acrolein, Vinyl Acetate, MS/MSD for Vinyl Acetate are outside control limits. Biased high, not detected in the samples, data integrity not affected.

Matrix Spike Recovery(s) for 1-Chlorohexane, 2-Chloroethyl vinyl ether, 4-Methyl-2-pentanone, Ethyl methacrylate are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1-Chlorohexane, 2-Chloroethyl vinyl ether, Acetone, Ethyl methacrylate are outside control limits. Probable cause due to matrix interference. See Blank Spike.

RPD(s) for MSD for 2-Chloroethyl vinyl ether are outside control limits for sample F49499-1MSD. Probable cause due to sample homogeneity.

F49536-1: Sample was not preserved to a pH < 2; reported results are considered minimum values.

Matrix: AQ **Batch ID:** VJ2133

Sample(s) F49657-1MS, F49657-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

BS, MS/MSD Recovery(s) for Acrolein, Vinyl Acetate are outside control limits. See above.

Matrix Spike Recovery(s) for 2-Chloroethyl vinyl ether, Methyl bromide are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 2-Chloroethyl vinyl ether are outside control limits. Probable cause due to matrix interference. See Blank Spike.

F49536-1: Sample was not preserved to a pH < 2; reported results are considered minimum values.

Extractables by GCMS By Method SW846 8270C

Matrix: AQ **Batch ID:** OP20642

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Volatiles by GC By Method SW846 8015

Matrix: AQ **Batch ID:** GHH1151

All samples were analyzed within the recommended method holding time.

Sample(s) F49536-3MS, F49536-3MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

F49536-3: Sample received outside the holding time.

Matrix: AQ **Batch ID:** GHH1152

All samples were analyzed within the recommended method holding time.

Sample(s) F49350-2MS, F49350-2MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Matrix Spike Recovery(s) for TPH-GRO (C6-C10) are outside control limits. Probable cause due to matrix interference.

F49536-1: Sample was not preserved to a pH < 2; reported results are considered minimum values.

F49536-2: Sample was not preserved to a pH < 2; reported results are considered minimum values.

Extractables by GC By Method SW846 8015 M

Matrix: AQ **Batch ID:** OP20638

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F49536-1MS, F49536-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Metals By Method SW846 6010B

Matrix: AQ **Batch ID:** MP12039

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49536-1DUP, F49536-1MS, F49536-1MSD, F49536-1SDL, F49536-1DUP were used as the QC samples for metals.

RPD(s) for Duplicate for Arsenic, Chromium are outside control limits for sample MP12039-D1. RPD acceptable due to low duplicate and sample concentrations.

RPD(s) for Serial Dilution for Arsenic, Chromium are outside control limits for sample MP12039-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

F49536-3 for Selenium: Elevated reporting limit(s) due to matrix interference.

F49536-1 for Selenium: Elevated reporting limit(s) due to matrix interference.

F49536-2 for Selenium: Elevated reporting limit(s) due to matrix interference.

Metals By Method SW846 7470A

Matrix: AQ **Batch ID:** MP12017

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49499-1DUP, F49499-1MS, F49499-1MSD, F49499-1SDL were used as the QC samples for metals.

Wet Chemistry By Method EPA 160.1

Matrix: AQ **Batch ID:** GN25481

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F49499-1DUP were used as the QC samples for Solids, Total Dissolved.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: May 30, 2007

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-TMW70		
Lab Sample ID:	F49536-1	**Date Sampled:**	05/11/07
Matrix:	AQ - Ground Water	**Date Received:**	05/15/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J029966.D	5	05/25/07	JG	n/a	n/a	VJ2133
Run #2 [a]	J029954.D	100	05/24/07	JG	n/a	n/a	VJ2132

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	54.9	130	25	ug/l	J
75-05-8	Acetonitrile	ND	100	50	ug/l	
107-02-8	Acrolein	ND	100	50	ug/l	
107-13-1	Acrylonitrile	ND	50	25	ug/l	
107-05-1	Allyl chloride	ND	50	25	ug/l	
71-43-2	Benzene	451	5.0	2.5	ug/l	
100-44-7	Benzyl Chloride	ND	5.0	2.5	ug/l	
108-86-1	Bromobenzene	ND	5.0	2.5	ug/l	
74-97-5	Bromochloromethane	ND	5.0	2.5	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	2.5	ug/l	
75-25-2	Bromoform	ND	5.0	2.5	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	2.5	ug/l	
135-98-8	sec-Butylbenzene	4.4	5.0	2.5	ug/l	J
98-06-6	tert-Butylbenzene	4.6	5.0	2.5	ug/l	J
108-90-7	Chlorobenzene	ND	5.0	2.5	ug/l	
75-00-3	Chloroethane	ND	10	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	2.5	ug/l	
544-10-5	1-Chlorohexane	ND	10	5.0	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	2.5	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	2.5	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	25	13	ug/l	
75-15-0	Carbon disulfide	ND	10	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	2.5	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	2.5	ug/l	
75-35-4	1,1-Dichloroethylene	ND	5.0	2.5	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	2.5	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	5.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	5.0	2.5	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	2.5	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	2.5	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	2.5	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	2.5	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW70		
Lab Sample ID:	F49536-1	**Date Sampled:**	05/11/07
Matrix:	AQ - Ground Water	**Date Received:**	05/15/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	2.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.5	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	2.5	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.5	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	50	25	ug/l	
541-73-1	m-Dichlorobenzene	ND	5.0	2.5	ug/l	
95-50-1	o-Dichlorobenzene	ND	5.0	2.5	ug/l	
106-46-7	p-Dichlorobenzene	ND	5.0	2.5	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	2.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.5	ug/l	
100-41-4	Ethylbenzene	113	5.0	2.5	ug/l	
97-63-2	Ethyl methacrylate	ND	25	10	ug/l	
76-13-1	Freon 113	ND	5.0	2.5	ug/l	
591-78-6	2-Hexanone	ND	25	13	ug/l	
87-68-3	Hexachlorobutadiene	ND	10	2.5	ug/l	
110-54-3	Hexane	ND	10	5.0	ug/l	
98-82-8	Isopropylbenzene	837 [b]	100	50	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	2.5	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	25	13	ug/l	
126-98-7	Methacrylonitrile	ND	100	50	ug/l	
74-83-9	Methyl bromide	ND	10	5.0	ug/l	
74-87-3	Methyl chloride	ND	10	5.0	ug/l	
74-88-4	Methyl iodide	ND	25	13	ug/l	
80-62-6	Methyl methacrylate	ND	25	13	ug/l	
74-95-3	Methylene bromide	ND	10	2.5	ug/l	
75-09-2	Methylene chloride	ND	25	5.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	25	13	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	2.5	ug/l	
91-20-3	Naphthalene	ND	10	5.0	ug/l	
76-01-7	Pentachloroethane	ND	50	25	ug/l	
107-12-0	Propionitrile	ND	100	50	ug/l	
103-65-1	n-Propylbenzene	6.6	5.0	2.5	ug/l	
100-42-5	Styrene	ND	5.0	2.5	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	2.5	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	2.5	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	2.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	2.5	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.5	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	10	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.5	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW70		
Lab Sample ID:	F49536-1	**Date Sampled:**	05/11/07
Matrix:	AQ - Ground Water	**Date Received:**	05/15/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	14.4	10	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	10	5.0	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	2.5	ug/l	
108-88-3	Toluene	71.7	5.0	2.5	ug/l	
79-01-6	Trichloroethylene	ND	5.0	2.5	ug/l	
75-69-4	Trichlorofluoromethane	ND	10	2.5	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	50	25	ug/l	
75-01-4	Vinyl chloride	ND	5.0	2.5	ug/l	
108-05-4	Vinyl Acetate	ND	50	25	ug/l	
	m,p-Xylene	46.9	10	2.5	ug/l	
95-47-6	o-Xylene	28.4	5.0	2.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	97%	100%	76-127%
2037-26-5	Toluene-D8	100%	103%	86-112%
460-00-4	4-Bromofluorobenzene	109%	110%	84-120%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW70		
Lab Sample ID:	F49536-1	**Date Sampled:**	05/11/07
Matrix:	AQ - Ground Water	**Date Received:**	05/15/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L036553.D	1	05/23/07	RB	05/18/07	OP20642	SL1874
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	26	11	ug/l	
95-57-8	2-Chlorophenol	ND	5.3	2.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.3	2.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.3	2.1	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.3	2.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	26	11	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	11	5.3	ug/l	
95-48-7	2-Methylphenol	ND	5.3	2.1	ug/l	
	3&4-Methylphenol	ND	5.3	2.1	ug/l	
88-75-5	2-Nitrophenol	ND	5.3	2.1	ug/l	
100-02-7	4-Nitrophenol	ND	26	11	ug/l	
87-86-5	Pentachlorophenol	ND	26	11	ug/l	
108-95-2	Phenol	ND	5.3	2.1	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.3	2.1	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.3	2.1	ug/l	
83-32-9	Acenaphthene	ND	5.3	1.1	ug/l	
208-96-8	Acenaphthylene	ND	5.3	1.1	ug/l	
120-12-7	Anthracene	ND	5.3	1.1	ug/l	
92-87-5	Benzidine	ND	26	16	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.3	1.1	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.3	1.1	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.3	1.1	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.3	2.1	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.3	1.1	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.3	1.1	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.3	2.1	ug/l	
100-51-6	Benzyl Alcohol	ND	5.3	1.1	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.3	1.1	ug/l	
106-47-8	4-Chloroaniline	ND	11	4.2	ug/l	
218-01-9	Chrysene	ND	5.3	1.1	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.3	1.1	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.3	2.1	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW70		
Lab Sample ID:	F49536-1	**Date Sampled:**	05/11/07
Matrix:	AQ - Ground Water	**Date Received:**	05/15/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.3	1.1	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.3	1.1	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.3	1.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.3	1.1	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.3	1.1	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.3	2.1	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.3	2.1	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	11	5.3	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.3	2.1	ug/l	
132-64-9	Dibenzofuran	ND	5.3	1.1	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.3	2.1	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.3	2.6	ug/l	
84-66-2	Diethyl phthalate	ND	5.3	2.1	ug/l	
131-11-3	Dimethyl phthalate	ND	5.3	2.1	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.3	2.6	ug/l	
206-44-0	Fluoranthene	ND	5.3	1.1	ug/l	
86-73-7	Fluorene	ND	5.3	1.1	ug/l	
118-74-1	Hexachlorobenzene	ND	5.3	1.1	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.3	2.1	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.3	2.1	ug/l	
67-72-1	Hexachloroethane	ND	5.3	2.1	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.3	2.1	ug/l	
78-59-1	Isophorone	ND	5.3	1.1	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.3	1.1	ug/l	
88-74-4	2-Nitroaniline	ND	11	4.2	ug/l	
99-09-2	3-Nitroaniline	ND	11	4.2	ug/l	
100-01-6	4-Nitroaniline	ND	11	4.2	ug/l	
91-20-3	Naphthalene	ND	5.3	1.1	ug/l	
98-95-3	Nitrobenzene	ND	5.3	1.1	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.3	2.1	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.3	2.1	ug/l	
85-01-8	Phenanthrene	ND	5.3	1.1	ug/l	
129-00-0	Pyrene	ND	5.3	1.1	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.3	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	31%		14-62%
4165-62-2	Phenol-d5	28%		10-40%
118-79-6	2,4,6-Tribromophenol	59%		33-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW70		
Lab Sample ID:	F49536-1	**Date Sampled:**	05/11/07
Matrix:	AQ - Ground Water	**Date Received:**	05/15/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	67%		42-108%
321-60-8	2-Fluorobiphenyl	53%		40-106%
1718-51-0	Terphenyl-d14	40%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW70		
Lab Sample ID:	F49536-1	**Date Sampled:**	05/11/07
Matrix:	AQ - Ground Water	**Date Received:**	05/15/07
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	HH026218.D	5	05/18/07	TD	n/a	n/a	GHH1152
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	4.72	0.50	0.25	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%		57-129%
98-08-8	aaa-Trifluorotoluene	90%		58-120%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW70		
Lab Sample ID:	F49536-1	**Date Sampled:**	05/11/07
Matrix:	AQ - Ground Water	**Date Received:**	05/15/07
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02485.D	1	05/22/07	MG	05/18/07	OP20638	GYY96
Run #2							

	Initial Volume	Final Volume
Run #1	520 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	0.394	0.48	0.19	mg/l	J
	TPH (> C22-C36)	0.728	0.48	0.19	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	81%		42-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SS61-TMW70
Lab Sample ID: F49536-1
Matrix: AQ - Ground Water
Project: HOLMN

Date Sampled: 05/11/07
Date Received: 05/15/07
Percent Solids: n/a

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	9.9 J	10	2.8	ug/l	1	05/21/07	05/21/07	RS	SW846 6010B [2]	SW846 3010A [4]
Barium	27.7 J	200	5.0	ug/l	1	05/21/07	05/21/07	RS	SW846 6010B [2]	SW846 3010A [4]
Cadmium	1.0 U	5.0	1.0	ug/l	1	05/21/07	05/21/07	RS	SW846 6010B [2]	SW846 3010A [4]
Chromium	1.2 J	10	0.60	ug/l	1	05/21/07	05/21/07	RS	SW846 6010B [2]	SW846 3010A [4]
Lead	1.7 U	5.0	1.7	ug/l	1	05/21/07	05/21/07	RS	SW846 6010B [2]	SW846 3010A [4]
Mercury	0.10 U	1.0	0.10	ug/l	1	05/18/07	05/18/07	MS	SW846 7470A [1]	SW846 7470A [3]
Selenium [a]	56 U	100	56	ug/l	1	05/21/07	05/21/07	RS	SW846 6010B [2]	SW846 3010A [4]
Silver	0.90 U	10	0.90	ug/l	1	05/21/07	05/21/07	RS	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA5723
(2) Instrument QC Batch: MA5727
(3) Prep QC Batch: MP12017
(4) Prep QC Batch: MP12039

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-TMW70		
Lab Sample ID:	F49536-1	**Date Sampled:**	05/11/07
Matrix:	AQ - Ground Water	**Date Received:**	05/15/07
		Percent Solids:	n/a
Project:	HOLMN		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	14500	100	10	mg/l	1	05/16/07 10:15	LE	EPA 160.1

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-MW14		
Lab Sample ID:	F49536-2	**Date Sampled:**	05/12/07
Matrix:	AQ - Ground Water	**Date Received:**	05/15/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J029967.D	10	05/25/07	JG	n/a	n/a	VJ2133
Run #2	J029983.D	50	05/25/07	JG	n/a	n/a	VJ2133

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	54.4	250	50	ug/l	J
75-05-8	Acetonitrile	ND	200	100	ug/l	
107-02-8	Acrolein	ND	200	100	ug/l	
107-13-1	Acrylonitrile	ND	100	50	ug/l	
107-05-1	Allyl chloride	ND	100	50	ug/l	
71-43-2	Benzene	2170 [a]	50	25	ug/l	
100-44-7	Benzyl Chloride	ND	10	5.0	ug/l	
108-86-1	Bromobenzene	ND	10	5.0	ug/l	
74-97-5	Bromochloromethane	ND	10	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	10	5.0	ug/l	
75-25-2	Bromoform	ND	10	5.0	ug/l	
104-51-8	n-Butylbenzene	ND	10	5.0	ug/l	
135-98-8	sec-Butylbenzene	5.4	10	5.0	ug/l	J
98-06-6	tert-Butylbenzene	ND	10	5.0	ug/l	
108-90-7	Chlorobenzene	ND	10	5.0	ug/l	
75-00-3	Chloroethane	ND	20	10	ug/l	
67-66-3	Chloroform	ND	10	5.0	ug/l	
544-10-5	1-Chlorohexane	ND	20	10	ug/l	
95-49-8	o-Chlorotoluene	ND	10	5.0	ug/l	
106-43-4	p-Chlorotoluene	ND	10	5.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	50	25	ug/l	
75-15-0	Carbon disulfide	ND	20	10	ug/l	
56-23-5	Carbon tetrachloride	ND	10	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	5.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	10	5.0	ug/l	
563-58-6	1,1-Dichloropropene	ND	10	5.0	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	20	10	ug/l	
106-93-4	1,2-Dibromoethane	ND	10	5.0	ug/l	
107-06-2	1,2-Dichloroethane	5.4	10	5.0	ug/l	J
78-87-5	1,2-Dichloropropane	ND	10	5.0	ug/l	
142-28-9	1,3-Dichloropropane	ND	10	5.0	ug/l	
594-20-7	2,2-Dichloropropane	ND	10	5.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW14		
Lab Sample ID:	F49536-2	**Date Sampled:**	05/12/07
Matrix:	AQ - Ground Water	**Date Received:**	05/15/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	10	4.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	5.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	10	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	3.0	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	100	50	ug/l	
541-73-1	m-Dichlorobenzene	ND	10	5.0	ug/l	
95-50-1	o-Dichlorobenzene	ND	10	5.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	10	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	10	5.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	3.0	ug/l	
100-41-4	Ethylbenzene	117	10	5.0	ug/l	
97-63-2	Ethyl methacrylate	ND	50	20	ug/l	
76-13-1	Freon 113	ND	10	5.0	ug/l	
591-78-6	2-Hexanone	ND	50	25	ug/l	
87-68-3	Hexachlorobutadiene	ND	20	5.0	ug/l	
110-54-3	Hexane	ND	20	10	ug/l	
98-82-8	Isopropylbenzene	458	10	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	10	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	50	25	ug/l	
126-98-7	Methacrylonitrile	ND	200	100	ug/l	
74-83-9	Methyl bromide	ND	20	10	ug/l	
74-87-3	Methyl chloride	ND	20	10	ug/l	
74-88-4	Methyl iodide	ND	50	25	ug/l	
80-62-6	Methyl methacrylate	ND	50	25	ug/l	
74-95-3	Methylene bromide	ND	20	5.0	ug/l	
75-09-2	Methylene chloride	ND	50	10	ug/l	
78-93-3	Methyl ethyl ketone	ND	50	25	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	5.0	ug/l	
91-20-3	Naphthalene	ND	20	10	ug/l	
76-01-7	Pentachloroethane	ND	100	50	ug/l	
107-12-0	Propionitrile	ND	200	100	ug/l	
103-65-1	n-Propylbenzene	10.8	10	5.0	ug/l	
100-42-5	Styrene	ND	10	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	10	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	4.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	5.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	10	5.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	20	10	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	10	5.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW14		
Lab Sample ID:	F49536-2	**Date Sampled:**	05/12/07
Matrix:	AQ - Ground Water	**Date Received:**	05/15/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	20	10	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	20	10	ug/l	
127-18-4	Tetrachloroethylene	ND	10	5.0	ug/l	
108-88-3	Toluene	ND	10	5.0	ug/l	
79-01-6	Trichloroethylene	ND	10	5.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	20	5.0	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	100	50	ug/l	
75-01-4	Vinyl chloride	ND	10	5.0	ug/l	
108-05-4	Vinyl Acetate	ND	100	50	ug/l	
	m,p-Xylene	16.3	20	5.0	ug/l	J
95-47-6	o-Xylene	ND	10	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	96%	87-116%
17060-07-0	1,2-Dichloroethane-D4	96%	92%	76-127%
2037-26-5	Toluene-D8	102%	102%	86-112%
460-00-4	4-Bromofluorobenzene	109%	109%	84-120%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW14		
Lab Sample ID:	F49536-2	**Date Sampled:**	05/12/07
Matrix:	AQ - Ground Water	**Date Received:**	05/15/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L036554.D	1	05/23/07	RB	05/18/07	OP20642	SL1874
Run #2							

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.7	ug/l	
95-57-8	2-Chlorophenol	ND	4.9	1.9	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.9	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.9	1.9	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.9	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.7	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.7	4.9	ug/l	
95-48-7	2-Methylphenol	ND	4.9	1.9	ug/l	
	3&4-Methylphenol	ND	4.9	1.9	ug/l	
88-75-5	2-Nitrophenol	ND	4.9	1.9	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.7	ug/l	
108-95-2	Phenol	29.9	4.9	1.9	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.9	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.9	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.9	0.97	ug/l	
208-96-8	Acenaphthylene	ND	4.9	0.97	ug/l	
120-12-7	Anthracene	ND	4.9	0.97	ug/l	
92-87-5	Benzidine	ND	24	15	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.9	0.97	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.9	0.97	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.9	0.97	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.9	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.9	0.97	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.9	0.97	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.9	1.9	ug/l	
100-51-6	Benzyl Alcohol	ND	4.9	0.97	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.9	0.97	ug/l	
106-47-8	4-Chloroaniline	ND	9.7	3.9	ug/l	
218-01-9	Chrysene	ND	4.9	0.97	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.9	0.97	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.9	1.9	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW14		
Lab Sample ID:	F49536-2	**Date Sampled:**	05/12/07
Matrix:	AQ - Ground Water	**Date Received:**	05/15/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.9	0.97	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.9	0.97	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.9	0.97	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.9	0.97	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.9	0.97	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.9	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.9	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.7	4.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	1.9	ug/l	
132-64-9	Dibenzofuran	ND	4.9	0.97	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.9	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.9	2.4	ug/l	
84-66-2	Diethyl phthalate	ND	4.9	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.9	1.9	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.9	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.9	0.97	ug/l	
86-73-7	Fluorene	ND	4.9	0.97	ug/l	
118-74-1	Hexachlorobenzene	ND	4.9	0.97	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.9	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.9	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.9	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.9	1.9	ug/l	
78-59-1	Isophorone	ND	4.9	0.97	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.9	0.97	ug/l	
88-74-4	2-Nitroaniline	ND	9.7	3.9	ug/l	
99-09-2	3-Nitroaniline	ND	9.7	3.9	ug/l	
100-01-6	4-Nitroaniline	ND	9.7	3.9	ug/l	
91-20-3	Naphthalene	ND	4.9	0.97	ug/l	
98-95-3	Nitrobenzene	ND	4.9	0.97	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.9	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.9	1.9	ug/l	
85-01-8	Phenanthrene	ND	4.9	0.97	ug/l	
129-00-0	Pyrene	ND	4.9	0.97	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	0.97	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	32%		14-62%
4165-62-2	Phenol-d5	29%		10-40%
118-79-6	2,4,6-Tribromophenol	91%		33-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW14		
Lab Sample ID:	F49536-2	**Date Sampled:**	05/12/07
Matrix:	AQ - Ground Water	**Date Received:**	05/15/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	65%		42-108%
321-60-8	2-Fluorobiphenyl	68%		40-106%
1718-51-0	Terphenyl-d14	58%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW14		
Lab Sample ID:	F49536-2	**Date Sampled:**	05/12/07
Matrix:	AQ - Ground Water	**Date Received:**	05/15/07
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	HH026219.D	10	05/18/07	TD	n/a	n/a	GHH1152
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	9.06	1.0	0.50	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%		57-129%
98-08-8	aaa-Trifluorotoluene	90%		58-120%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW14		
Lab Sample ID:	F49536-2	**Date Sampled:**	05/12/07
Matrix:	AQ - Ground Water	**Date Received:**	05/15/07
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02488.D	1	05/22/07	MG	05/18/07	OP20638	GYY96
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	0.666	0.24	0.096	mg/l	
	TPH (> C22-C36)	0.273	0.24	0.096	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	82%		42-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW14		
Lab Sample ID:	F49536-2	**Date Sampled:**	05/12/07
Matrix:	AQ - Ground Water	**Date Received:**	05/15/07
		Percent Solids:	n/a
Project:	HOLMN		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	21.8	10	2.8	ug/l	1	05/21/07	05/21/07	RS	SW846 6010B [2]	SW846 3010A [4]
Barium	15.8 J	200	5.0	ug/l	1	05/21/07	05/21/07	RS	SW846 6010B [2]	SW846 3010A [4]
Cadmium	1.0 U	5.0	1.0	ug/l	1	05/21/07	05/21/07	RS	SW846 6010B [2]	SW846 3010A [4]
Chromium	1.7 J	10	0.60	ug/l	1	05/21/07	05/21/07	RS	SW846 6010B [2]	SW846 3010A [4]
Lead	1.7 U	5.0	1.7	ug/l	1	05/21/07	05/21/07	RS	SW846 6010B [2]	SW846 3010A [4]
Mercury	0.10 U	1.0	0.10	ug/l	1	05/18/07	05/18/07	MS	SW846 7470A [1]	SW846 7470A [3]
Selenium [a]	110 U	200	110	ug/l	1	05/21/07	05/21/07	RS	SW846 6010B [2]	SW846 3010A [4]
Silver	0.90 U	10	0.90	ug/l	1	05/21/07	05/21/07	RS	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA5723
(2) Instrument QC Batch: MA5727
(3) Prep QC Batch: MP12017
(4) Prep QC Batch: MP12039

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-MW14		
Lab Sample ID:	F49536-2	**Date Sampled:**	05/12/07
Matrix:	AQ - Ground Water	**Date Received:**	05/15/07
		Percent Solids:	n/a
Project:	HOLMN		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	2910	100	10	mg/l	1	05/16/07 10:15	LE	EPA 160.1

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-MW13		
Lab Sample ID:	F49536-3	**Date Sampled:**	05/12/07
Matrix:	AQ - Ground Water	**Date Received:**	05/15/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J029949.D	1	05/24/07	JG	n/a	n/a	VJ2132
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
75-05-8	Acetonitrile	ND	20	10	ug/l	
107-02-8	Acrolein	ND	20	10	ug/l	
107-13-1	Acrylonitrile	ND	10	5.0	ug/l	
107-05-1	Allyl chloride	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
100-44-7	Benzyl Chloride	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	1.0	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW13		
Lab Sample ID:	F49536-3	**Date Sampled:**	05/12/07
Matrix:	AQ - Ground Water	**Date Received:**	05/15/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	2.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
110-54-3	Hexane	ND	2.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
126-98-7	Methacrylonitrile	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
74-88-4	Methyl iodide	ND	5.0	2.5	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	2.5	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	5.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW13		
Lab Sample ID:	F49536-3	**Date Sampled:**	05/12/07
Matrix:	AQ - Ground Water	**Date Received:**	05/15/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	10	5.0	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		87-116%
17060-07-0	1,2-Dichloroethane-D4	101%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	111%		84-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW13		
Lab Sample ID:	F49536-3	**Date Sampled:**	05/12/07
Matrix:	AQ - Ground Water	**Date Received:**	05/15/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L036555.D	1	05/23/07	RB	05/18/07	OP20642	SL1874
Run #2							

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.7	ug/l	
95-57-8	2-Chlorophenol	ND	4.9	1.9	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.9	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.9	1.9	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.9	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.7	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.7	4.9	ug/l	
95-48-7	2-Methylphenol	ND	4.9	1.9	ug/l	
	3&4-Methylphenol	ND	4.9	1.9	ug/l	
88-75-5	2-Nitrophenol	ND	4.9	1.9	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.7	ug/l	
108-95-2	Phenol	ND	4.9	1.9	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.9	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.9	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.9	0.97	ug/l	
208-96-8	Acenaphthylene	ND	4.9	0.97	ug/l	
120-12-7	Anthracene	ND	4.9	0.97	ug/l	
92-87-5	Benzidine	ND	24	15	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.9	0.97	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.9	0.97	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.9	0.97	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.9	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.9	0.97	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.9	0.97	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.9	1.9	ug/l	
100-51-6	Benzyl Alcohol	ND	4.9	0.97	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.9	0.97	ug/l	
106-47-8	4-Chloroaniline	ND	9.7	3.9	ug/l	
218-01-9	Chrysene	ND	4.9	0.97	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.9	0.97	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.9	1.9	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW13		
Lab Sample ID:	F49536-3	**Date Sampled:**	05/12/07
Matrix:	AQ - Ground Water	**Date Received:**	05/15/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.9	0.97	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.9	0.97	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.9	0.97	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.9	0.97	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.9	0.97	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.9	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.9	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.7	4.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	1.9	ug/l	
132-64-9	Dibenzofuran	ND	4.9	0.97	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.9	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.9	2.4	ug/l	
84-66-2	Diethyl phthalate	ND	4.9	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.9	1.9	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.9	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.9	0.97	ug/l	
86-73-7	Fluorene	ND	4.9	0.97	ug/l	
118-74-1	Hexachlorobenzene	ND	4.9	0.97	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.9	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.9	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.9	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.9	1.9	ug/l	
78-59-1	Isophorone	ND	4.9	0.97	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.9	0.97	ug/l	
88-74-4	2-Nitroaniline	ND	9.7	3.9	ug/l	
99-09-2	3-Nitroaniline	ND	9.7	3.9	ug/l	
100-01-6	4-Nitroaniline	ND	9.7	3.9	ug/l	
91-20-3	Naphthalene	ND	4.9	0.97	ug/l	
98-95-3	Nitrobenzene	ND	4.9	0.97	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.9	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.9	1.9	ug/l	
85-01-8	Phenanthrene	ND	4.9	0.97	ug/l	
129-00-0	Pyrene	ND	4.9	0.97	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	0.97	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	34%		14-62%
4165-62-2	Phenol-d5	22%		10-40%
118-79-6	2,4,6-Tribromophenol	82%		33-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW13		
Lab Sample ID:	F49536-3	**Date Sampled:**	05/12/07
Matrix:	AQ - Ground Water	**Date Received:**	05/15/07
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	77%		42-108%
321-60-8	2-Fluorobiphenyl	73%		40-106%
1718-51-0	Terphenyl-d14	60%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW13		
Lab Sample ID:	F49536-3	**Date Sampled:**	05/12/07
Matrix:	AQ - Ground Water	**Date Received:**	05/15/07
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	HH026207.D	1	05/17/07	TD	n/a	n/a	GHH1151
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	86%		57-129%
98-08-8	aaa-Trifluorotoluene	79%		58-120%

(a) Sample received outside the holding time.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW13		
Lab Sample ID:	F49536-3	**Date Sampled:**	05/12/07
Matrix:	AQ - Ground Water	**Date Received:**	05/15/07
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY02489.D	1	05/22/07	MG	05/18/07	OP20638	GYY96
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.24	0.096	mg/l	
	TPH (> C22-C36)	ND	0.24	0.096	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	77%		42-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SS61-MW13
Lab Sample ID: F49536-3
Matrix: AQ - Ground Water
Project: HOLMN

Date Sampled: 05/12/07
Date Received: 05/15/07
Percent Solids: n/a

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	4.9 J	10	2.8	ug/l	1	05/21/07	05/21/07	RS	SW846 6010B [2]	SW846 3010A [4]
Barium	16.2 J	200	5.0	ug/l	1	05/21/07	05/21/07	RS	SW846 6010B [2]	SW846 3010A [4]
Cadmium	1.0 U	5.0	1.0	ug/l	1	05/21/07	05/21/07	RS	SW846 6010B [2]	SW846 3010A [4]
Chromium	0.60 J	10	0.60	ug/l	1	05/21/07	05/21/07	RS	SW846 6010B [2]	SW846 3010A [4]
Lead	1.7 U	5.0	1.7	ug/l	1	05/21/07	05/21/07	RS	SW846 6010B [2]	SW846 3010A [4]
Mercury	0.10 U	1.0	0.10	ug/l	1	05/18/07	05/18/07	MS	SW846 7470A [1]	SW846 7470A [3]
Selenium [a]	110 U	200	110	ug/l	1	05/21/07	05/21/07	RS	SW846 6010B [2]	SW846 3010A [4]
Silver	0.90 U	10	0.90	ug/l	1	05/21/07	05/21/07	RS	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA5723
(2) Instrument QC Batch: MA5727
(3) Prep QC Batch: MP12017
(4) Prep QC Batch: MP12039

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-MW13		
Lab Sample ID:	F49536-3	**Date Sampled:**	05/12/07
Matrix:	AQ - Ground Water	**Date Received:**	05/15/07
		Percent Solids:	n/a
Project:	HOLMN		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	19200	100	10	mg/l	1	05/16/07 10:15	LE	EPA 160.1

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-TRIP BLANK		
Lab Sample ID:	F49536-4	**Date Sampled:**	05/12/07
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/15/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J029950.D	1	05/24/07	JG	n/a	n/a	VJ2132
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
75-05-8	Acetonitrile	ND	20	10	ug/l	
107-02-8	Acrolein	ND	20	10	ug/l	
107-13-1	Acrylonitrile	ND	10	5.0	ug/l	
107-05-1	Allyl chloride	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
100-44-7	Benzyl Chloride	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	1.0	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TRIP BLANK		
Lab Sample ID:	F49536-4	**Date Sampled:**	05/12/07
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/15/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	2.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
110-54-3	Hexane	ND	2.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
126-98-7	Methacrylonitrile	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
74-88-4	Methyl iodide	ND	5.0	2.5	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	2.5	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	5.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TRIP BLANK		
Lab Sample ID:	F49536-4	**Date Sampled:**	05/12/07
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/15/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	10	5.0	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		87-116%
17060-07-0	1,2-Dichloroethane-D4	99%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	111%		84-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

BHATE

Chain of Custody and Analytical Request

F49536

Page 1 of 1

Project No: 9050361.01.02

COC Number: 05-12-2007-01

LIMS Number: ____________

Facility: **Holloman Air Force Base**

Project Name / Site Name: **SS-61 Voluntary Corrective Measures**

Client Name: **USACE**

Collected by: **J. Moore/C. McGriff/R. Currane/B. Wolfe**

									Sample Analysis Requested (5)										Quality Assurance Samples (6)			
	Field sample ID	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code (2)	Sample Number (3)	Sample Matrix (4)	Number of containers	VOC, 8260B	SVOC,8270C	TPH, 8015M, DRO/ORO	RCRA Metals 6010B/7470A	TPH, 8015M, GRO	TDS				Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
1	SS61-TMW70		11 May 2007	1215	—	N	—	WG	12	X	X	X	X	X	X							1
	SS61-TMW60		12 May 2007	0730	—	N	—	WG	12	X	X	X	X	X	X							2
2	SS61-MW14		12 May 2007	0810	—	N	—	WG	12	X	X	X	X	X	X							3
3	SS61-MW13		12 May 2007	09.55	—	N	—	WG	12	X	X	X	X	X	X							4
4	SS61-Trip Blank		12 May 2007	—	—	TB	—	WQ	4	X												
	SS61				-				~~12~~													
	SS61				-				~~12~~													
	SS61				-				~~12~~													
	SS61				-																	
	SS61				-																	
	SS61				-																	
	SS61				-																	
	SS61				-																	

Comments: Metals have been filtered using a 0.45 Micron filter.

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1.	[signature]	5/12/07	1200	FED EX		
2.	FX	5-15-07	09:00	[signature]		
3.						

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: ____________ Shipped: No.: ____________

Method of Shipment: Fed Ex Airbill Number: ____________

Analytical Lab: Accutest Delivery Location: Orlando FL

Lab Recipient: Delivery Date/Time:

(1) Chain of Custody Number = date collected + custody number [illegible]

(2) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank [illegible] Field Duplicate [illegible] Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples [illegible] Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

(3) Sample Number: Unique sample number collected from a particular [illegible] Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on [illegible]

(4) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = [illegible] Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples [illegible] SQ = Soil Blanks

(5) Sample Analysis Requested: Analytical method requested [illegible]

(6) Quality Assurance samples [illegible] by date (ddmmyy) [illegible] (e.g. Equipment blank collected in association with [illegible] in the Equipment Blank Lot Control Number field)

D. 8.11.4.1.2

4.1

4

F49536: Chain of Custody

Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F 49536 CLIENT: BLATE PROJECT: SS-61 VOLUNTARY

DATE/TIME RECEIVED: 05-15-07 07:00 # OF COOLERS RECEIVED: 3 COOLER TEMPS: 0.8, 1.2, 1.4

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8660 5421 4874

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [X] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? &

NUMBER OF 5035 FIELD KITS ? &

NUMBER OR LAB FILTERED METALS ? &

SUMMARY OF COMMENTS: SAMPLER # 4 — # 6 & TRIP BLANKS

*DO NOT RECEIVED FIELD SAMPLE SS61-TMW60 @ 5-12-07 07:30.

SAMPLE #1 RECEIVED 60mL IN ONE H2SO4 AMBER.

SAMPLE #1 RECEIVED ON N/P AMBERS ABOUT 1200mL.

TECHNICIAN SIGNATURE/DATE [signature] 05-15-07 TECHNICIAN SIGNATURE/DATE

ASBD 10/03/06

4.1 4

F49536: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F49536
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2132-MB	J029933.D	1	05/24/07	JG	n/a	n/a	VJ2132

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49536-1, F49536-3, F49536-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
75-05-8	Acetonitrile	ND	20	10	ug/l	
107-02-8	Acrolein	ND	20	10	ug/l	
107-13-1	Acrylonitrile	ND	10	5.0	ug/l	
107-05-1	Allyl chloride	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
100-44-7	Benzyl Chloride	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	1.0	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	

Method Blank Summary

Job Number: F49536
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2132-MB	J029933.D	1	05/24/07	JG	n/a	n/a	VJ2132

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49536-1, F49536-3, F49536-4

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	2.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
110-54-3	Hexane	ND	2.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
126-98-7	Methacrylonitrile	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
74-88-4	Methyl iodide	ND	5.0	2.5	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	2.5	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	5.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

Method Blank Summary

Job Number: F49536
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2132-MB	J029933.D	1	05/24/07	JG	n/a	n/a	VJ2132

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49536-1, F49536-3, F49536-4

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	10	5.0	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	103%	76-127%
2037-26-5	Toluene-D8	99%	86-112%
460-00-4	4-Bromofluorobenzene	106%	84-120%

Method Blank Summary

Job Number: F49536
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2133-MB	J029963.D	1	05/25/07	JG	n/a	n/a	VJ2133

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49536-1, F49536-2

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
75-05-8	Acetonitrile	ND	20	10	ug/l	
107-02-8	Acrolein	ND	20	10	ug/l	
107-13-1	Acrylonitrile	ND	10	5.0	ug/l	
107-05-1	Allyl chloride	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
100-44-7	Benzyl Chloride	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.50	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	1.0	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	

Method Blank Summary

Job Number: F49536
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2133-MB	J029963.D	1	05/25/07	JG	n/a	n/a	VJ2133

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49536-1, F49536-2

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	2.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
110-54-3	Hexane	ND	2.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
126-98-7	Methacrylonitrile	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
74-88-4	Methyl iodide	ND	5.0	2.5	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	2.5	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	5.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.50	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

Method Blank Summary

Job Number: F49536
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2133-MB	J029963.D	1	05/25/07	JG	n/a	n/a	VJ2133

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49536-1, F49536-2

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	10	5.0	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	100%	76-127%
2037-26-5	Toluene-D8	101%	86-112%
460-00-4	4-Bromofluorobenzene	112%	84-120%

Blank Spike Summary

Job Number: F49536
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2132-BS	J029930.D	1	05/24/07	JG	n/a	n/a	VJ2132

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49536-1, F49536-3, F49536-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	108	86	59-134
75-05-8	Acetonitrile	250	224	90	57-123
107-02-8	Acrolein	125	199	159*	33-157
107-13-1	Acrylonitrile	125	151	121	62-124
107-05-1	Allyl chloride	25	24.2	97	48-136
71-43-2	Benzene	25	26.3	105	83-124
100-44-7	Benzyl Chloride	25	25.9	104	61-118
108-86-1	Bromobenzene	25	25.4	102	83-115
74-97-5	Bromochloromethane	25	23.6	94	78-112
75-27-4	Bromodichloromethane	25	24.7	99	76-116
75-25-2	Bromoform	25	25.7	103	68-128
104-51-8	n-Butylbenzene	25	27.4	110	84-124
135-98-8	sec-Butylbenzene	25	26.0	104	86-127
98-06-6	tert-Butylbenzene	25	25.9	104	83-126
108-90-7	Chlorobenzene	25	25.4	102	87-115
75-00-3	Chloroethane	25	25.3	101	54-166
67-66-3	Chloroform	25	25.4	102	85-123
544-10-5	1-Chlorohexane	25	27.2	109	87-128
95-49-8	o-Chlorotoluene	25	26.8	107	84-121
106-43-4	p-Chlorotoluene	25	25.7	103	84-120
110-75-8	2-Chloroethyl vinyl ether	125	110	88	63-125
75-15-0	Carbon disulfide	25	26.2	105	67-147
56-23-5	Carbon tetrachloride	25	25.4	102	74-139
75-34-3	1,1-Dichloroethane	25	25.1	100	82-127
75-35-4	1,1-Dichloroethylene	25	23.7	95	75-133
563-58-6	1,1-Dichloropropene	25	25.8	103	87-127
96-12-8	1,2-Dibromo-3-chloropropane	25	24.4	98	61-118
106-93-4	1,2-Dibromoethane	25	26.1	104	80-115
107-06-2	1,2-Dichloroethane	25	25.2	101	76-122
78-87-5	1,2-Dichloropropane	25	25.4	102	81-120
142-28-9	1,3-Dichloropropane	25	25.7	103	81-113
594-20-7	2,2-Dichloropropane	25	25.8	103	77-138
124-48-1	Dibromochloromethane	25	25.1	100	74-116
75-71-8	Dichlorodifluoromethane	25	30.2	121	34-158
156-59-2	cis-1,2-Dichloroethylene	25	23.6	94	81-114
10061-01-5	cis-1,3-Dichloropropene	25	26.6	106	83-119

Blank Spike Summary

Job Number: F49536
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2132-BS	J029930.D	1	05/24/07	JG	n/a	n/a	VJ2132

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49536-1, F49536-3, F49536-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	25	25.4	102	41-130
541-73-1	m-Dichlorobenzene	25	25.1	100	86-115
95-50-1	o-Dichlorobenzene	25	25.1	100	85-115
106-46-7	p-Dichlorobenzene	25	25.1	100	87-113
156-60-5	trans-1,2-Dichloroethylene	25	26.6	106	82-126
10061-02-6	trans-1,3-Dichloropropene	25	28.3	113	87-123
100-41-4	Ethylbenzene	25	26.2	105	87-118
97-63-2	Ethyl methacrylate	25	26.3	105	68-110
76-13-1	Freon 113	25	25.2	101	74-139
591-78-6	2-Hexanone	125	135	108	58-125
87-68-3	Hexachlorobutadiene	25	28.4	114	71-133
110-54-3	Hexane	25	24.1	96	71-134
98-82-8	Isopropylbenzene	25	26.9	108	87-131
99-87-6	p-Isopropyltoluene	25	25.7	103	83-125
108-10-1	4-Methyl-2-pentanone	125	131	105	62-125
126-98-7	Methacrylonitrile	250	249	100	62-133
74-83-9	Methyl bromide	25	32.0	128	55-151
74-87-3	Methyl chloride	25	25.4	102	55-173
74-88-4	Methyl iodide	25	22.3	89	72-125
80-62-6	Methyl methacrylate	25	23.7	95	63-115
74-95-3	Methylene bromide	25	25.7	103	81-116
75-09-2	Methylene chloride	25	24.7	99	69-125
78-93-3	Methyl ethyl ketone	125	122	98	61-127
1634-04-4	Methyl Tert Butyl Ether	25	24.7	99	75-116
91-20-3	Naphthalene	25	26.4	106	59-125
76-01-7	Pentachloroethane	25	24.0	96	82-111
107-12-0	Propionitrile	250	241	96	69-119
103-65-1	n-Propylbenzene	25	27.2	109	86-125
100-42-5	Styrene	25	25.8	103	78-118
630-20-6	1,1,1,2-Tetrachloroethane	25	25.1	100	81-119
71-55-6	1,1,1-Trichloroethane	25	25.4	102	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	25.5	102	71-120
79-00-5	1,1,2-Trichloroethane	25	25.8	103	80-114
87-61-6	1,2,3-Trichlorobenzene	25	27.0	108	64-126
96-18-4	1,2,3-Trichloropropane	25	25.4	102	77-115
120-82-1	1,2,4-Trichlorobenzene	25	26.7	107	68-123

Blank Spike Summary

Job Number: F49536
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2132-BS	J029930.D	1	05/24/07	JG	n/a	n/a	VJ2132

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49536-1, F49536-3, F49536-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	25	26.2	105	82-120
108-67-8	1,3,5-Trimethylbenzene	25	24.8	99	83-123
127-18-4	Tetrachloroethylene	25	25.8	103	80-131
108-88-3	Toluene	25	26.3	105	86-116
79-01-6	Trichloroethylene	25	26.8	107	85-124
75-69-4	Trichlorofluoromethane	25	29.8	119	66-156
110-57-6	Trans-1,4-Dichloro-2-Butene	25	28.6	114	51-137
75-01-4	Vinyl chloride	25	26.2	105	57-153
108-05-4	Vinyl Acetate	125	204	163*	38-159
	m,p-Xylene	50	52.7	105	86-121
95-47-6	o-Xylene	25	25.4	102	83-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	99%	76-127%
2037-26-5	Toluene-D8	101%	86-112%
460-00-4	4-Bromofluorobenzene	101%	84-120%

Blank Spike Summary

Job Number: F49536
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2133-BS	J029962.D	1	05/25/07	JG	n/a	n/a	VJ2133

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49536-1, F49536-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	126	101	59-134
75-05-8	Acetonitrile	250	250	100	57-123
107-02-8	Acrolein	125	207	166*	33-157
107-13-1	Acrylonitrile	125	146	117	62-124
107-05-1	Allyl chloride	25	26.1	104	48-136
71-43-2	Benzene	25	25.9	104	83-124
100-44-7	Benzyl Chloride	25	25.7	103	61-118
108-86-1	Bromobenzene	25	24.3	97	83-115
74-97-5	Bromochloromethane	25	22.0	88	78-112
75-27-4	Bromodichloromethane	25	23.8	95	76-116
75-25-2	Bromoform	25	23.2	93	68-128
104-51-8	n-Butylbenzene	25	28.8	115	84-124
135-98-8	sec-Butylbenzene	25	26.2	105	86-127
98-06-6	tert-Butylbenzene	25	26.7	107	83-126
108-90-7	Chlorobenzene	25	24.8	99	87-115
75-00-3	Chloroethane	25	27.4	110	54-166
67-66-3	Chloroform	25	24.9	100	85-123
544-10-5	1-Chlorohexane	25	26.8	107	87-128
95-49-8	o-Chlorotoluene	25	27.8	111	84-121
106-43-4	p-Chlorotoluene	25	26.5	106	84-120
110-75-8	2-Chloroethyl vinyl ether	125	110	88	63-125
75-15-0	Carbon disulfide	25	27.9	112	67-147
56-23-5	Carbon tetrachloride	25	24.0	96	74-139
75-34-3	1,1-Dichloroethane	25	24.8	99	82-127
75-35-4	1,1-Dichloroethylene	25	25.4	102	75-133
563-58-6	1,1-Dichloropropene	25	25.2	101	87-127
96-12-8	1,2-Dibromo-3-chloropropane	25	24.0	96	61-118
106-93-4	1,2-Dibromoethane	25	25.4	102	80-115
107-06-2	1,2-Dichloroethane	25	24.2	97	76-122
78-87-5	1,2-Dichloropropane	25	24.8	99	81-120
142-28-9	1,3-Dichloropropane	25	25.7	103	81-113
594-20-7	2,2-Dichloropropane	25	24.2	97	77-138
124-48-1	Dibromochloromethane	25	24.1	96	74-116
75-71-8	Dichlorodifluoromethane	25	26.9	108	34-158
156-59-2	cis-1,2-Dichloroethylene	25	22.5	90	81-114
10061-01-5	cis-1,3-Dichloropropene	25	25.8	103	83-119

Blank Spike Summary

Job Number: F49536
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2133-BS	J029962.D	1	05/25/07	JG	n/a	n/a	VJ2133

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49536-1, F49536-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	25	30.0	120	41-130
541-73-1	m-Dichlorobenzene	25	23.8	95	86-115
95-50-1	o-Dichlorobenzene	25	24.4	98	85-115
106-46-7	p-Dichlorobenzene	25	24.4	98	87-113
156-60-5	trans-1,2-Dichloroethylene	25	26.0	104	82-126
10061-02-6	trans-1,3-Dichloropropene	25	28.8	115	87-123
100-41-4	Ethylbenzene	25	26.5	106	87-118
97-63-2	Ethyl methacrylate	25	27.4	110	68-110
76-13-1	Freon 113	25	26.4	106	74-139
591-78-6	2-Hexanone	125	149	119	58-125
87-68-3	Hexachlorobutadiene	25	25.2	101	71-133
110-54-3	Hexane	25	24.3	97	71-134
98-82-8	Isopropylbenzene	25	25.9	104	87-131
99-87-6	p-Isopropyltoluene	25	25.5	102	83-125
108-10-1	4-Methyl-2-pentanone	125	137	110	62-125
126-98-7	Methacrylonitrile	250	264	106	62-133
74-83-9	Methyl bromide	25	35.0	140	55-151
74-87-3	Methyl chloride	25	24.6	98	55-173
74-88-4	Methyl iodide	25	22.6	90	72-125
80-62-6	Methyl methacrylate	25	23.9	96	63-115
74-95-3	Methylene bromide	25	25.0	100	81-116
75-09-2	Methylene chloride	25	25.1	100	69-125
78-93-3	Methyl ethyl ketone	125	131	105	61-127
1634-04-4	Methyl Tert Butyl Ether	25	22.8	91	75-116
91-20-3	Naphthalene	25	26.1	104	59-125
76-01-7	Pentachloroethane	25	23.6	94	82-111
107-12-0	Propionitrile	250	245	98	69-119
103-65-1	n-Propylbenzene	25	28.4	114	86-125
100-42-5	Styrene	25	25.0	100	78-118
630-20-6	1,1,1,2-Tetrachloroethane	25	24.0	96	81-119
71-55-6	1,1,1-Trichloroethane	25	24.2	97	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	28.2	113	71-120
79-00-5	1,1,2-Trichloroethane	25	26.8	107	80-114
87-61-6	1,2,3-Trichlorobenzene	25	24.8	99	64-126
96-18-4	1,2,3-Trichloropropane	25	26.0	104	77-115
120-82-1	1,2,4-Trichlorobenzene	25	24.7	99	68-123

Blank Spike Summary

Job Number: F49536
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2133-BS	J029962.D	1	05/25/07	JG	n/a	n/a	VJ2133

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49536-1, F49536-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	25	26.7	107	82-120
108-67-8	1,3,5-Trimethylbenzene	25	25.2	101	83-123
127-18-4	Tetrachloroethylene	25	22.7	91	80-131
108-88-3	Toluene	25	25.9	104	86-116
79-01-6	Trichloroethylene	25	26.0	104	85-124
75-69-4	Trichlorofluoromethane	25	31.9	128	66-156
110-57-6	Trans-1,4-Dichloro-2-Butene	25	31.7	127	51-137
75-01-4	Vinyl chloride	25	25.3	101	57-153
108-05-4	Vinyl Acetate	125	210	168*	38-159
	m,p-Xylene	50	52.7	105	86-121
95-47-6	o-Xylene	25	25.3	101	83-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	99%	76-127%
2037-26-5	Toluene-D8	101%	86-112%
460-00-4	4-Bromofluorobenzene	106%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49536
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49499-1MS	J029936.D	2	05/24/07	JG	n/a	n/a	VJ2132
F49499-1MSD	J029937.D	2	05/24/07	JG	n/a	n/a	VJ2132
F49499-1	J029935.D	2	05/24/07	JG	n/a	n/a	VJ2132

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49536-1, F49536-3, F49536-4

CAS No.	Compound	F49499-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	23.0	J	250	176	61	166	57*	6	59-134/14
75-05-8	Acetonitrile	ND		500	486	97	483	97	1	57-123/15
107-02-8	Acrolein	ND		250	380	152	383	153	1	33-157/21
107-13-1	Acrylonitrile	ND		250	308	123	303	121	2	62-124/13
107-05-1	Allyl chloride	ND		50	47.2	94	47.1	94	0	48-136/13
71-43-2	Benzene	285	E	50	335	100	335	100	0	83-124/11
100-44-7	Benzyl Chloride	ND		50	50.7	101	49.5	99	2	61-118/12
108-86-1	Bromobenzene	ND		50	48.7	97	48.5	97	0	83-115/10
74-97-5	Bromochloromethane	ND		50	45.8	92	46.5	93	2	78-112/10
75-27-4	Bromodichloromethane	ND		50	49.1	98	49.7	99	1	76-116/10
75-25-2	Bromoform	ND		50	49.7	99	49.2	98	1	68-128/11
104-51-8	n-Butylbenzene	ND		50	55.9	112	54.1	108	3	84-124/10
135-98-8	sec-Butylbenzene	5.4		50	57.3	104	56.0	101	2	86-127/10
98-06-6	tert-Butylbenzene	4.3		50	56.6	105	55.9	103	1	83-126/10
108-90-7	Chlorobenzene	ND		50	50.3	101	49.9	100	1	87-115/9
75-00-3	Chloroethane	ND		50	51.6	103	51.6	103	0	54-166/20
67-66-3	Chloroform	ND		50	50.9	102	51.1	102	0	85-123/10
544-10-5	1-Chlorohexane	49.0		50	54.3	11*	54.0	10*	1	87-128/10
95-49-8	o-Chlorotoluene	ND		50	54.5	109	53.2	106	2	84-121/10
106-43-4	p-Chlorotoluene	ND		50	52.1	104	51.2	102	2	84-120/10
110-75-8	2-Chloroethyl vinyl ether	ND		250	43.8	18*	22.0	9*	66*	63-125/24
75-15-0	Carbon disulfide	ND		50	51.3	103	50.9	102	1	67-147/12
56-23-5	Carbon tetrachloride	ND		50	50.1	100	50.3	101	0	74-139/13
75-34-3	1,1-Dichloroethane	ND		50	50.0	100	50.1	100	0	82-127/10
75-35-4	1,1-Dichloroethylene	ND		50	47.4	95	47.2	94	0	75-133/13
563-58-6	1,1-Dichloropropene	ND		50	51.2	102	51.0	102	0	87-127/10
96-12-8	1,2-Dibromo-3-chloropropane	ND		50	53.1	106	53.8	108	1	61-118/15
106-93-4	1,2-Dibromoethane	ND		50	53.4	107	53.0	106	1	80-115/10
107-06-2	1,2-Dichloroethane	9.3		50	59.3	100	59.6	101	1	76-122/11
78-87-5	1,2-Dichloropropane	ND		50	50.7	101	50.8	102	0	81-120/11
142-28-9	1,3-Dichloropropane	ND		50	53.4	107	53.0	106	1	81-113/11
594-20-7	2,2-Dichloropropane	ND		50	49.1	98	48.9	98	0	77-138/12
124-48-1	Dibromochloromethane	ND		50	49.8	100	49.7	99	0	74-116/11
75-71-8	Dichlorodifluoromethane	ND		50	56.7	113	57.7	115	2	34-158/22
156-59-2	cis-1,2-Dichloroethylene	ND		50	46.4	93	46.4	93	0	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		50	53.4	107	53.3	107	0	83-119/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49536
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49499-1MS	J029936.D	2	05/24/07	JG	n/a	n/a	VJ2132
F49499-1MSD	J029937.D	2	05/24/07	JG	n/a	n/a	VJ2132
F49499-1	J029935.D	2	05/24/07	JG	n/a	n/a	VJ2132

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49536-1, F49536-3, F49536-4

CAS No.	Compound	F49499-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		50	55.0	110	56.2	112	2	41-130/33
541-73-1	m-Dichlorobenzene	ND		50	47.8	96	47.6	95	0	86-115/9
95-50-1	o-Dichlorobenzene	ND		50	48.3	97	48.2	96	0	85-115/9
106-46-7	p-Dichlorobenzene	ND		50	48.3	97	48.3	97	0	87-113/10
156-60-5	trans-1,2-Dichloroethylene	ND		50	51.7	103	51.8	104	0	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		50	57.0	114	56.8	114	0	87-123/10
100-41-4	Ethylbenzene	15.8		50	68.8	106	67.4	103	2	87-118/10
97-63-2	Ethyl methacrylate	ND		50	58.5	117*	58.5	117*	0	68-110/11
76-13-1	Freon 113	ND		50	51.3	103	51.0	102	1	74-139/13
591-78-6	2-Hexanone	ND		250	302	121	292	117	3	58-125/14
87-68-3	Hexachlorobutadiene	ND		50	48.7	97	49.2	98	1	71-133/12
110-54-3	Hexane	ND		50	47.0	94	46.3	93	2	71-134/11
98-82-8	Isopropylbenzene	531	E	50	580	98	566	70* [a]	2	87-131/10
99-87-6	p-Isopropyltoluene	ND		50	49.7	99	49.7	99	0	83-125/9
108-10-1	4-Methyl-2-pentanone	ND		250	315	126*	307	123	3	62-125/13
126-98-7	Methacrylonitrile	ND		500	516	103	506	101	2	62-133/17
74-83-9	Methyl bromide	ND		50	66.0	132	66.4	133	1	55-151/21
74-87-3	Methyl chloride	ND		50	50.4	101	50.0	100	1	55-173/22
74-88-4	Methyl iodide	ND		50	43.4	87	43.7	87	1	72-125/11
80-62-6	Methyl methacrylate	ND		50	51.4	103	50.5	101	2	63-115/10
74-95-3	Methylene bromide	ND		50	53.6	107	52.4	105	2	81-116/10
75-09-2	Methylene chloride	ND		50	49.4	99	48.3	97	2	69-125/11
78-93-3	Methyl ethyl ketone	ND		250	236	94	232	93	2	61-127/13
1634-04-4	Methyl Tert Butyl Ether	ND		50	48.9	98	49.8	100	2	75-116/10
91-20-3	Naphthalene	ND		50	54.4	109	55.7	111	2	59-125/15
76-01-7	Pentachloroethane	ND		50	45.0	90	45.9	92	2	82-111/8
107-12-0	Propionitrile	ND		500	485	97	481	96	1	69-119/12
103-65-1	n-Propylbenzene	2.6		50	57.9	111	56.6	108	2	86-125/10
100-42-5	Styrene	ND		50	50.6	101	50.8	102	0	78-118/11
630-20-6	1,1,1,2-Tetrachloroethane	ND		50	49.3	99	49.3	99	0	81-119/10
71-55-6	1,1,1-Trichloroethane	ND		50	49.8	100	50.5	101	1	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		50	56.4	113	54.7	109	3	71-120/11
79-00-5	1,1,2-Trichloroethane	1.2	J	50	55.9	109	54.8	107	2	80-114/11
87-61-6	1,2,3-Trichlorobenzene	ND		50	49.9	100	51.1	102	2	64-126/16
96-18-4	1,2,3-Trichloropropane	ND		50	55.1	110	53.7	107	3	77-115/12
120-82-1	1,2,4-Trichlorobenzene	ND		50	50.2	100	50.6	101	1	68-123/11

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49536
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49499-1MS	J029936.D	2	05/24/07	JG	n/a	n/a	VJ2132
F49499-1MSD	J029937.D	2	05/24/07	JG	n/a	n/a	VJ2132
F49499-1	J029935.D	2	05/24/07	JG	n/a	n/a	VJ2132

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49536-1, F49536-3, F49536-4

CAS No.	Compound	F49499-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		50	52.1	104	51.5	103	1	82-120/10
108-67-8	1,3,5-Trimethylbenzene	ND		50	49.7	99	48.7	97	2	83-123/10
127-18-4	Tetrachloroethylene	ND		50	47.4	95	46.7	93	1	80-131/12
108-88-3	Toluene	ND		50	53.2	106	52.8	106	1	86-116/10
79-01-6	Trichloroethylene	ND		50	53.1	106	53.3	107	0	85-124/10
75-69-4	Trichlorofluoromethane	ND		50	60.3	121	60.1	120	0	66-156/15
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		50	61.8	124	64.5	129	4	51-137/24
75-01-4	Vinyl chloride	ND		50	49.9	100	50.1	100	0	57-153/22
108-05-4	Vinyl Acetate	ND		250	423	169*	421	168*	0	38-159/11
	m,p-Xylene	ND		100	106	106	104	104	2	86-121/10
95-47-6	o-Xylene	ND		50	51.5	103	50.8	102	1	83-121/10

CAS No.	Surrogate Recoveries	MS	MSD	F49499-1	Limits
1868-53-7	Dibromofluoromethane	100%	101%	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	101%	101%	101%	76-127%
2037-26-5	Toluene-D8	102%	101%	100%	86-112%
460-00-4	4-Bromofluorobenzene	103%	102%	105%	84-120%

(a) Outside control limits due to high level in sample relative to spike amount.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49536
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49657-1MS	J029973.D	1	05/25/07	JG	n/a	n/a	VJ2133
F49657-1MSD	J029974.D	1	05/25/07	JG	n/a	n/a	VJ2133
F49657-1	J029968.D	1	05/25/07	JG	n/a	n/a	VJ2133

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49536-1, F49536-2

CAS No.	Compound	F49657-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	77.7	62	78.5	63	1	59-134/14
75-05-8	Acetonitrile	ND		250	250	100	250	100	0	57-123/15
107-02-8	Acrolein	ND		125	218	174*	212	170*	3	33-157/21
107-13-1	Acrylonitrile	ND		125	148	118	147	118	1	62-124/13
107-05-1	Allyl chloride	ND		25	26.1	104	26.2	105	0	48-136/13
71-43-2	Benzene	ND		25	25.9	104	25.9	104	0	83-124/11
100-44-7	Benzyl Chloride	ND		25	22.3	89	22.2	89	0	61-118/12
108-86-1	Bromobenzene	ND		25	23.3	93	23.4	94	0	83-115/10
74-97-5	Bromochloromethane	ND		25	20.8	83	21.3	85	2	78-112/10
75-27-4	Bromodichloromethane	ND		25	22.0	88	22.5	90	2	76-116/10
75-25-2	Bromoform	ND		25	22.1	88	21.9	88	1	68-128/11
104-51-8	n-Butylbenzene	ND		25	27.5	110	27.8	111	1	84-124/10
135-98-8	sec-Butylbenzene	ND		25	25.5	102	25.6	102	0	86-127/10
98-06-6	tert-Butylbenzene	ND		25	26.0	104	25.9	104	0	83-126/10
108-90-7	Chlorobenzene	ND		25	24.6	98	24.6	98	0	87-115/9
75-00-3	Chloroethane	ND		25	29.6	118	29.6	118	0	54-166/20
67-66-3	Chloroform	ND		25	23.2	93	23.8	95	3	85-123/10
544-10-5	1-Chlorohexane	ND		25	24.8	99	25.1	100	1	87-128/10
95-49-8	o-Chlorotoluene	ND		25	27.7	111	27.8	111	0	84-121/10
106-43-4	p-Chlorotoluene	ND		25	25.3	101	26.0	104	3	84-120/10
110-75-8	2-Chloroethyl vinyl ether	ND		125	ND	0*	ND	0*	nc	63-125/24
75-15-0	Carbon disulfide	ND		25	28.6	114	28.2	113	1	67-147/12
56-23-5	Carbon tetrachloride	ND		25	21.2	85	22.0	88	4	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	24.3	97	24.4	98	0	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	26.7	107	26.4	106	1	75-133/13
563-58-6	1,1-Dichloropropene	ND		25	23.1	92	23.6	94	2	87-127/10
96-12-8	1,2-Dibromo-3-chloropropane	ND		25	22.7	91	22.9	92	1	61-118/15
106-93-4	1,2-Dibromoethane	ND		25	22.9	92	23.4	94	2	80-115/10
107-06-2	1,2-Dichloroethane	ND		25	23.7	95	23.5	94	1	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	24.9	100	24.9	100	0	81-120/11
142-28-9	1,3-Dichloropropane	ND		25	24.1	96	24.6	98	2	81-113/11
594-20-7	2,2-Dichloropropane	ND		25	20.6	82	21.0	84	2	77-138/12
124-48-1	Dibromochloromethane	ND		25	21.6	86	22.1	88	2	74-116/11
75-71-8	Dichlorodifluoromethane	ND		25	24.8	99	27.1	108	9	34-158/22
156-59-2	cis-1,2-Dichloroethylene	ND		25	21.0	84	21.5	86	2	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	24.0	96	24.1	96	0	83-119/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49536
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49657-1MS	J029973.D	1	05/25/07	JG	n/a	n/a	VJ2133
F49657-1MSD	J029974.D	1	05/25/07	JG	n/a	n/a	VJ2133
F49657-1	J029968.D	1	05/25/07	JG	n/a	n/a	VJ2133

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49536-1, F49536-2

CAS No.	Compound	F49657-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		25	27.0	108	26.5	106	2	41-130/33
541-73-1	m-Dichlorobenzene	ND		25	22.9	92	23.4	94	2	86-115/9
95-50-1	o-Dichlorobenzene	ND		25	23.5	94	23.3	93	1	85-115/9
106-46-7	p-Dichlorobenzene	ND		25	23.8	95	23.9	96	0	87-113/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	25.2	101	25.8	103	2	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	26.7	107	27.3	109	2	87-123/10
100-41-4	Ethylbenzene	ND		25	26.2	105	26.0	104	1	87-118/10
97-63-2	Ethyl methacrylate	ND		25	24.8	99	25.6	102	3	68-110/11
76-13-1	Freon 113	ND		25	28.0	112	27.2	109	3	74-139/13
591-78-6	2-Hexanone	ND		125	128	102	128	102	0	58-125/14
87-68-3	Hexachlorobutadiene	ND		25	22.4	90	23.2	93	4	71-133/12
110-54-3	Hexane	ND		25	23.2	93	23.2	93	0	71-134/11
98-82-8	Isopropylbenzene	ND		25	24.7	99	24.7	99	0	87-131/10
99-87-6	p-Isopropyltoluene	ND		25	24.1	96	24.3	97	1	83-125/9
108-10-1	4-Methyl-2-pentanone	ND		125	138	110	135	108	2	62-125/13
126-98-7	Methacrylonitrile	ND		250	284	114	277	111	2	62-133/17
74-83-9	Methyl bromide	ND		25	39.0	156*	37.8	151	3	55-151/21
74-87-3	Methyl chloride	ND		25	25.7	103	25.7	103	0	55-173/22
74-88-4	Methyl iodide	ND		25	22.7	91	22.9	92	1	72-125/11
80-62-6	Methyl methacrylate	ND		25	24.3	97	24.4	98	0	63-115/10
74-95-3	Methylene bromide	ND		25	23.7	95	23.9	96	1	81-116/10
75-09-2	Methylene chloride	ND		25	24.6	98	24.1	96	2	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	110	88	110	88	0	61-127/13
1634-04-4	Methyl Tert Butyl Ether	ND		25	20.7	83	21.7	87	5	75-116/10
91-20-3	Naphthalene	ND		25	23.5	94	24.6	98	5	59-125/15
76-01-7	Pentachloroethane	ND		25	21.7	87	22.2	89	2	82-111/8
107-12-0	Propionitrile	ND		250	254	102	251	100	1	69-119/12
103-65-1	n-Propylbenzene	ND		25	28.2	113	28.1	112	0	86-125/10
100-42-5	Styrene	ND		25	24.0	96	23.7	95	1	78-118/11
630-20-6	1,1,1,2-Tetrachloroethane	ND		25	22.7	91	22.8	91	0	81-119/10
71-55-6	1,1,1-Trichloroethane	ND		25	21.4	86	22.4	90	5	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	27.2	109	27.6	110	1	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	25.5	102	25.8	103	1	80-114/11
87-61-6	1,2,3-Trichlorobenzene	ND		25	22.8	91	23.4	94	3	64-126/16
96-18-4	1,2,3-Trichloropropane	ND		25	24.8	99	24.9	100	0	77-115/12
120-82-1	1,2,4-Trichlorobenzene	ND		25	23.2	93	23.7	95	2	68-123/11

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49536
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49657-1MS	J029973.D	1	05/25/07	JG	n/a	n/a	VJ2133
F49657-1MSD	J029974.D	1	05/25/07	JG	n/a	n/a	VJ2133
F49657-1	J029968.D	1	05/25/07	JG	n/a	n/a	VJ2133

The QC reported here applies to the following samples: **Method:** SW846 8260B

F49536-1, F49536-2

CAS No.	Compound	F49657-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		25	25.8	103	26.0	104	1	82-120/10
108-67-8	1,3,5-Trimethylbenzene	ND		25	24.5	98	24.8	99	1	83-123/10
127-18-4	Tetrachloroethylene	ND		25	21.0	84	21.2	85	1	80-131/12
108-88-3	Toluene	ND		25	24.9	100	24.9	100	0	86-116/10
79-01-6	Trichloroethylene	ND		25	25.3	101	25.3	101	0	85-124/10
75-69-4	Trichlorofluoromethane	ND		25	34.0	136	33.6	134	1	66-156/15
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		25	27.4	110	27.5	110	0	51-137/24
75-01-4	Vinyl chloride	ND		25	25.5	102	25.9	104	2	57-153/22
108-05-4	Vinyl Acetate	ND		125	205	164*	202	162*	1	38-159/11
	m,p-Xylene	ND		50	52.0	104	51.4	103	1	86-121/10
95-47-6	o-Xylene	ND		25	24.2	97	24.2	97	0	83-121/10

CAS No.	Surrogate Recoveries	MS	MSD	F49657-1	Limits
1868-53-7	Dibromofluoromethane	95%	96%	98%	87-116%
17060-07-0	1,2-Dichloroethane-D4	98%	99%	96%	76-127%
2037-26-5	Toluene-D8	100%	101%	102%	86-112%
460-00-4	4-Bromofluorobenzene	103%	106%	111%	84-120%

GC/MS Semi-volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F49536
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20642-MB	L036548.D	1	05/23/07	RB	05/18/07	OP20642	SL1874

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49536-1, F49536-2, F49536-3

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	2.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	2.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	5.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	2.0	ug/l	
	3&4-Methylphenol	ND	5.0	2.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	2.0	ug/l	
100-02-7	4-Nitrophenol	ND	25	10	ug/l	
87-86-5	Pentachlorophenol	ND	25	10	ug/l	
108-95-2	Phenol	ND	5.0	2.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.0	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
92-87-5	Benzidine	ND	25	15	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	4.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	2.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	1.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	

Method Blank Summary

Job Number: F49536
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20642-MB	L036548.D	1	05/23/07	RB	05/18/07	OP20642	SL1874

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49536-1, F49536-2, F49536-3

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	1.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	2.5	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	2.5	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	2.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
88-74-4	2-Nitroaniline	ND	10	4.0	ug/l	
99-09-2	3-Nitroaniline	ND	10	4.0	ug/l	
100-01-6	4-Nitroaniline	ND	10	4.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	36%	14-62%
4165-62-2	Phenol-d5	25%	10-40%

Method Blank Summary

Job Number: F49536
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20642-MB	L036548.D	1	05/23/07	RB	05/18/07	OP20642	SL1874

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49536-1, F49536-2, F49536-3

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	74%	33-118%
4165-60-0	Nitrobenzene-d5	72%	42-108%
321-60-8	2-Fluorobiphenyl	68%	40-106%
1718-51-0	Terphenyl-d14	81%	39-121%

Method Blank Summary

Job Number: F49536
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20642-MB	L036572.D	1	05/24/07	RB	05/18/07	OP20642	SL1875

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49536-1, F49536-2, F49536-3

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	2.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	2.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	5.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	2.0	ug/l	
	3&4-Methylphenol	ND	5.0	2.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	2.0	ug/l	
100-02-7	4-Nitrophenol	ND	25	10	ug/l	
87-86-5	Pentachlorophenol	ND	25	10	ug/l	
108-95-2	Phenol	ND	5.0	2.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.0	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
92-87-5	Benzidine	ND	25	15	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	4.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	2.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	1.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	

Method Blank Summary

Job Number: F49536
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20642-MB	L036572.D	1	05/24/07	RB	05/18/07	OP20642	SL1875

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49536-1, F49536-2, F49536-3

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	1.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	2.5	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	2.5	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	2.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
88-74-4	2-Nitroaniline	ND	10	4.0	ug/l	
99-09-2	3-Nitroaniline	ND	10	4.0	ug/l	
100-01-6	4-Nitroaniline	ND	10	4.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	37%	14-62%
4165-62-2	Phenol-d5	25%	10-40%

Method Blank Summary

Job Number: F49536
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20642-MB	L036572.D	1	05/24/07	RB	05/18/07	OP20642	SL1875

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49536-1, F49536-2, F49536-3

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	77%	33-118%
4165-60-0	Nitrobenzene-d5	71%	42-108%
321-60-8	2-Fluorobiphenyl	68%	40-106%
1718-51-0	Terphenyl-d14	83%	39-121%

Blank Spike Summary

Job Number: F49536
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20642-BS	L036547.D	1	05/23/07	RB	05/18/07	OP20642	SL1874

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49536-1, F49536-2, F49536-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	100	13.7	14	10-50
95-57-8	2-Chlorophenol	50	32.8	66	44-103
59-50-7	4-Chloro-3-methyl phenol	50	35.4	71	53-105
120-83-2	2,4-Dichlorophenol	50	35.6	71	53-108
105-67-9	2,4-Dimethylphenol	50	28.9	58	37-91
51-28-5	2,4-Dinitrophenol	100	76.6	77	37-111
534-52-1	4,6-Dinitro-o-cresol	100	82.2	82	62-115
95-48-7	2-Methylphenol	50	28.2	56	35-91
	3&4-Methylphenol	100	50.7	51	32-85
88-75-5	2-Nitrophenol	50	37.4	75	49-111
100-02-7	4-Nitrophenol	100	26.1	26	13-55
87-86-5	Pentachlorophenol	100	69.8	70	57-118
108-95-2	Phenol	50	15.0	30	13-54
95-95-4	2,4,5-Trichlorophenol	50	35.9	72	59-106
88-06-2	2,4,6-Trichlorophenol	50	36.3	73	58-107
83-32-9	Acenaphthene	50	37.9	76	58-106
208-96-8	Acenaphthylene	50	37.9	76	58-105
120-12-7	Anthracene	50	38.9	78	65-108
92-87-5	Benzidine	50	18.9	38	15-73
56-55-3	Benzo(a)anthracene	50	37.5	75	63-111
50-32-8	Benzo(a)pyrene	50	37.6	75	62-106
205-99-2	Benzo(b)fluoranthene	50	38.1	76	63-109
191-24-2	Benzo(g,h,i)perylene	50	38.3	77	61-111
207-08-9	Benzo(k)fluoranthene	50	39.8	80	64-111
101-55-3	4-Bromophenyl phenyl ether	50	36.9	74	64-107
85-68-7	Butyl benzyl phthalate	50	37.6	75	59-114
100-51-6	Benzyl Alcohol	50	29.2	58	34-98
91-58-7	2-Chloronaphthalene	50	35.2	70	54-105
106-47-8	4-Chloroaniline	50	35.4	71	53-103
218-01-9	Chrysene	50	37.6	75	64-111
111-91-1	bis(2-Chloroethoxy)methane	50	33.2	66	48-101
111-44-4	bis(2-Chloroethyl)ether	50	35.4	71	51-108
108-60-1	bis(2-Chloroisopropyl)ether	50	36.6	73	43-106
7005-72-3	4-Chlorophenyl phenyl ether	50	36.2	72	61-107
95-50-1	1,2-Dichlorobenzene	50	33.0	66	41-102
541-73-1	1,3-Dichlorobenzene	50	32.0	64	38-100

Blank Spike Summary

Job Number: F49536
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20642-BS	L036547.D	1	05/23/07	RB	05/18/07	OP20642	SL1874

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49536-1, F49536-2, F49536-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
106-46-7	1,4-Dichlorobenzene	50	31.9	64	40-100
121-14-2	2,4-Dinitrotoluene	50	38.0	76	60-109
606-20-2	2,6-Dinitrotoluene	50	37.5	75	58-104
91-94-1	3,3'-Dichlorobenzidine	50	35.3	71	57-105
53-70-3	Dibenzo(a,h)anthracene	50	38.3	77	62-112
132-64-9	Dibenzofuran	50	37.3	75	61-108
84-74-2	Di-n-butyl phthalate	50	38.5	77	62-109
117-84-0	Di-n-octyl phthalate	50	38.8	78	60-120
84-66-2	Diethyl phthalate	50	38.5	77	62-109
131-11-3	Dimethyl phthalate	50	37.3	75	63-106
117-81-7	bis(2-Ethylhexyl)phthalate	50	38.4	77	59-116
206-44-0	Fluoranthene	50	38.7	77	65-114
86-73-7	Fluorene	50	38.2	76	61-106
118-74-1	Hexachlorobenzene	50	36.4	73	62-107
87-68-3	Hexachlorobutadiene	50	32.9	66	38-107
77-47-4	Hexachlorocyclopentadiene	50	25.0	50	19-84
67-72-1	Hexachloroethane	50	32.1	64	35-101
193-39-5	Indeno(1,2,3-cd)pyrene	50	38.6	77	61-113
78-59-1	Isophorone	50	37.2	74	56-111
91-57-6	2-Methylnaphthalene	50	37.0	74	56-112
88-74-4	2-Nitroaniline	50	40.4	81	60-109
99-09-2	3-Nitroaniline	50	39.4	79	52-107
100-01-6	4-Nitroaniline	50	39.8	80	59-111
91-20-3	Naphthalene	50	34.7	69	50-104
98-95-3	Nitrobenzene	50	36.4	73	52-105
621-64-7	N-Nitroso-di-n-propylamine	50	36.5	73	51-104
86-30-6	N-Nitrosodiphenylamine	50	37.6	75	57-110
85-01-8	Phenanthrene	50	38.8	78	65-108
129-00-0	Pyrene	50	38.2	76	60-113
120-82-1	1,2,4-Trichlorobenzene	50	32.3	65	45-104

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	39%	14-62%
4165-62-2	Phenol-d5	27%	10-40%

Blank Spike Summary

Job Number: F49536
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20642-BS	L036547.D	1	05/23/07	RB	05/18/07	OP20642	SL1874

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49536-1, F49536-2, F49536-3

CAS No.	Surrogate Recoveries	BSP	Limits
118-79-6	2,4,6-Tribromophenol	76%	33-118%
4165-60-0	Nitrobenzene-d5	74%	42-108%
321-60-8	2-Fluorobiphenyl	71%	40-106%
1718-51-0	Terphenyl-d14	74%	39-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49536
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20642-MS	L036573.D	1	05/24/07	RB	05/18/07	OP20642	SL1875
OP20642-MSD	L036574.D	1	05/24/07	RB	05/18/07	OP20642	SL1875
F49587-1	L036567.D	1	05/23/07	RB	05/18/07	OP20642	SL1874

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49536-1, F49536-2, F49536-3

CAS No.	Compound	F49587-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	ND		200	60.2	30	69.6	35	14	10-50/40
95-57-8	2-Chlorophenol	ND		100	69.6	70	83.2	83	18	44-103/29
59-50-7	4-Chloro-3-methyl phenol	ND		100	75.8	76	84.1	84	10	53-105/24
120-83-2	2,4-Dichlorophenol	ND		100	74.5	75	86.4	86	15	53-108/26
105-67-9	2,4-Dimethylphenol	ND		100	60.2	60	67.8	68	12	37-91/28
51-28-5	2,4-Dinitrophenol	ND		200	157	79	167	84	6	37-111/30
534-52-1	4,6-Dinitro-o-cresol	ND		200	172	86	191	96	10	62-115/26
95-48-7	2-Methylphenol	ND		100	66.2	66	77.8	78	16	35-91/30
	3&4-Methylphenol	ND		200	124	62	151	76	20	32-85/29
88-75-5	2-Nitrophenol	ND		100	79.7	80	93.1	93	16	49-111/30
100-02-7	4-Nitrophenol	ND		200	87.3	44	97.7	49	11	13-55/31
87-86-5	Pentachlorophenol	ND		200	146	73	164	82	12	57-118/26
108-95-2	Phenol	ND		100	46.1	46	57.6	58*	22	13-54/34
95-95-4	2,4,5-Trichlorophenol	ND		100	76.3	76	86.5	87	13	59-106/23
88-06-2	2,4,6-Trichlorophenol	ND		100	75.4	75	85.1	85	12	58-107/24
83-32-9	Acenaphthene	ND		100	79.2	79	89.7	90	12	58-106/21
208-96-8	Acenaphthylene	ND		100	79.7	80	90.5	91	13	58-105/21
120-12-7	Anthracene	ND		100	81.1	81	93.1	93	14	65-108/19
92-87-5	Benzidine	ND		100	ND	0*	ND	0*	nc	15-73/23
56-55-3	Benzo(a)anthracene	ND		100	79.0	79	89.8	90	13	63-111/19
50-32-8	Benzo(a)pyrene	ND		100	79.0	79	89.9	90	13	62-106/20
205-99-2	Benzo(b)fluoranthene	ND		100	82.0	82	92.6	93	12	63-109/20
191-24-2	Benzo(g,h,i)perylene	ND		100	76.8	77	88.3	88	14	61-111/21
207-08-9	Benzo(k)fluoranthene	ND		100	83.1	83	95.5	96	14	64-111/20
101-55-3	4-Bromophenyl phenyl ether	ND		100	80.5	81	89.2	89	10	64-107/20
85-68-7	Butyl benzyl phthalate	ND		100	81.7	82	91.9	92	12	59-114/20
100-51-6	Benzyl Alcohol	ND		100	68.9	69	83.6	84	19	34-98/27
91-58-7	2-Chloronaphthalene	ND		100	75.8	76	86.4	86	13	54-105/24
106-47-8	4-Chloroaniline	ND		100	68.3	68	78.8	79	14	53-103/22
218-01-9	Chrysene	ND		100	79.5	80	90.4	90	13	64-111/19
111-91-1	bis(2-Chloroethoxy)methane	ND		100	69.9	70	82.4	82	16	48-101/28
111-44-4	bis(2-Chloroethyl)ether	ND		100	73.1	73	87.5	88	18	51-108/27
108-60-1	bis(2-Chloroisopropyl)ether	ND		100	74.2	74	90.5	91	20	43-106/27
7005-72-3	4-Chlorophenyl phenyl ether	ND		100	76.7	77	87.4	87	13	61-107/20
95-50-1	1,2-Dichlorobenzene	ND		100	70.5	71	84.8	85	18	41-102/28
541-73-1	1,3-Dichlorobenzene	ND		100	69.6	70	83.2	83	18	38-100/28

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49536
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20642-MS	L036573.D	1	05/24/07	RB	05/18/07	OP20642	SL1875
OP20642-MSD	L036574.D	1	05/24/07	RB	05/18/07	OP20642	SL1875
F49587-1	L036567.D	1	05/23/07	RB	05/18/07	OP20642	SL1874

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49536-1, F49536-2, F49536-3

CAS No.	Compound	F49587-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
106-46-7	1,4-Dichlorobenzene	ND		100	69.7	70	82.4	82	17	40-100/28
121-14-2	2,4-Dinitrotoluene	ND		100	78.2	78	88.8	89	13	60-109/20
606-20-2	2,6-Dinitrotoluene	ND		100	80.8	81	91.0	91	12	58-104/21
91-94-1	3,3'-Dichlorobenzidine	ND		100	66.2	66	75.6	76	13	57-105/25
53-70-3	Dibenzo(a,h)anthracene	ND		100	80.0	80	91.9	92	14	62-112/20
132-64-9	Dibenzofuran	ND		100	77.3	77	87.9	88	13	61-108/20
84-74-2	Di-n-butyl phthalate	ND		100	80.1	80	90.9	91	13	62-109/20
117-84-0	Di-n-octyl phthalate	ND		100	85.5	86	95.2	95	11	60-120/24
84-66-2	Diethyl phthalate	ND		100	78.8	79	89.5	90	13	62-109/19
131-11-3	Dimethyl phthalate	ND		100	77.5	78	88.4	88	13	63-106/19
117-81-7	bis(2-Ethylhexyl)phthalate	ND		100	82.7	83	92.1	92	11	59-116/21
206-44-0	Fluoranthene	ND		100	77.3	77	89.3	89	14	65-114/21
86-73-7	Fluorene	ND		100	78.5	79	87.9	88	11	61-106/19
118-74-1	Hexachlorobenzene	ND		100	77.8	78	88.3	88	13	62-107/20
87-68-3	Hexachlorobutadiene	ND		100	71.8	72	85.9	86	18	38-107/30
77-47-4	Hexachlorocyclopentadiene	ND		100	62.6	63	68.1	68	8	19-84/35
67-72-1	Hexachloroethane	ND		100	71.8	72	83.5	84	15	35-101/29
193-39-5	Indeno(1,2,3-cd)pyrene	ND		100	77.4	77	89.8	90	15	61-113/20
78-59-1	Isophorone	ND		100	77.2	77	88.6	89	14	56-111/26
91-57-6	2-Methylnaphthalene	ND		100	76.6	77	89.0	89	15	56-112/26
88-74-4	2-Nitroaniline	ND		100	82.3	82	93.0	93	12	60-109/20
99-09-2	3-Nitroaniline	ND		100	77.9	78	87.8	88	12	52-107/21
100-01-6	4-Nitroaniline	ND		100	77.3	77	94.0	94	19	59-111/21
91-20-3	Naphthalene	ND		100	73.5	74	86.5	87	16	50-104/28
98-95-3	Nitrobenzene	ND		100	75.6	76	87.0	87	14	52-105/28
621-64-7	N-Nitroso-di-n-propylamine	ND		100	73.3	73	87.8	88	18	51-104/28
86-30-6	N-Nitrosodiphenylamine	ND		100	80.3	80	91.3	91	13	57-110/19
85-01-8	Phenanthrene	ND		100	81.8	82	93.3	93	13	65-108/20
129-00-0	Pyrene	ND		100	85.7	86	96.1	96	11	60-113/20
120-82-1	1,2,4-Trichlorobenzene	ND		100	70.6	71	81.3	81	14	45-104/28

CAS No.	Surrogate Recoveries	MS	MSD	F49587-1	Limits
367-12-4	2-Fluorophenol	54%	66%*	36%	14-62%
4165-62-2	Phenol-d5	43%*	53%*	22%	10-40%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49536
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20642-MS	L036573.D	1	05/24/07	RB	05/18/07	OP20642	SL1875
OP20642-MSD	L036574.D	1	05/24/07	RB	05/18/07	OP20642	SL1875
F49587-1	L036567.D	1	05/23/07	RB	05/18/07	OP20642	SL1874

The QC reported here applies to the following samples: **Method:** SW846 8270C

F49536-1, F49536-2, F49536-3

CAS No.	Surrogate Recoveries	MS	MSD	F49587-1	Limits
118-79-6	2,4,6-Tribromophenol	80%	89%	73%	33-118%
4165-60-0	Nitrobenzene-d5	75%	89%	72%	42-108%
321-60-8	2-Fluorobiphenyl	74%	85%	68%	40-106%
1718-51-0	Terphenyl-d14	76%	83%	57%	39-121%

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F49536
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GHH1151-MB	HH026202.D	1	05/17/07	TD	n/a	n/a	GHH1151

The QC reported here applies to the following samples: **Method:** SW846 8015

F49536-3

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	88%	57-129%
98-08-8	aaa-Trifluorotoluene	84%	58-120%

Method Blank Summary

Job Number: F49536
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GHH1152-MB	HH026217.D	1	05/18/07	TD	n/a	n/a	GHH1152

The QC reported here applies to the following samples: **Method:** SW846 8015

F49536-1, F49536-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	87%	57-129%
98-08-8	aaa-Trifluorotoluene	81%	58-120%

Blank Spike Summary

Job Number: F49536
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GHH1151-BS	HH026201.D	1	05/17/07	TD	n/a	n/a	GHH1151

The QC reported here applies to the following samples: **Method:** SW846 8015

F49536-3

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	0.4	0.378	95	75-129

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	92%	57-129%
98-08-8	aaa-Trifluorotoluene	87%	58-120%

Blank Spike Summary

Job Number: F49536
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GHH1152-BS	HH026216.D	1	05/18/07	TD	n/a	n/a	GHH1152

The QC reported here applies to the following samples: **Method:** SW846 8015

F49536-1, F49536-2

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	0.4	0.452	113	75-129

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	98%	57-129%
98-08-8	aaa-Trifluorotoluene	100%	58-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49536
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49536-3MS	HH026208.D	1	05/17/07	TD	n/a	n/a	GHH1151
F49536-3MSD	HH026209.D	1	05/17/07	TD	n/a	n/a	GHH1151
F49536-3 [a]	HH026207.D	1	05/17/07	TD	n/a	n/a	GHH1151

The QC reported here applies to the following samples: **Method:** SW846 8015

F49536-3

CAS No.	Compound	F49536-3 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		0.4	0.443	111	0.435	109	2	75-129/13

CAS No.	Surrogate Recoveries	MS	MSD	F49536-3	Limits
460-00-4	4-Bromofluorobenzene	97%	94%	86%	57-129%
98-08-8	aaa-Trifluorotoluene	92%	101%	79%	58-120%

(a) Sample received outside the holding time.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49536
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F49350-2MS	HH026224.D	1	05/18/07	TD	n/a	n/a	GHH1152
F49350-2MSD	HH026225.D	1	05/18/07	TD	n/a	n/a	GHH1152
F49350-2	HH026221.D	1	05/18/07	TD	n/a	n/a	GHH1152

The QC reported here applies to the following samples: **Method:** SW846 8015

F49536-1, F49536-2

CAS No.	Compound	F49350-2 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		0.4	0.530	133*	0.508	127	4	75-129/13

CAS No.	Surrogate Recoveries	MS	MSD	F49350-2	Limits
460-00-4	4-Bromofluorobenzene	95%	94%	80%	57-129%
98-08-8	aaa-Trifluorotoluene	95%	96%	80%	58-120%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F49536
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20638-MB	YY02484.D	1	05/22/07	MG	05/18/07	OP20638	GYY96

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F49536-1, F49536-2, F49536-3

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.25	0.10	mg/l	
	TPH (> C22-C36)	ND	0.25	0.10	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	84%	42-114%

Blank Spike Summary

Job Number: F49536
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20638-BS	YY02483.D	1	05/22/07	MG	05/18/07	OP20638	GYY96

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F49536-1, F49536-2, F49536-3

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH (C10-C22)	1	0.739	74	60-140
	TPH (> C22-C36)	1	0.931	93	60-140

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	76%	42-114%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F49536
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP20638-MS	YY02486.D	1	05/22/07	MG	05/18/07	OP20638	GYY96
OP20638-MSD	YY02487.D	1	05/22/07	MG	05/18/07	OP20638	GYY96
F49536-1	YY02485.D	1	05/22/07	MG	05/18/07	OP20638	GYY96

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F49536-1, F49536-2, F49536-3

CAS No.	Compound	F49536-1 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	0.394	J	2	2.08	84	2.00	80	4	60-140/30
	TPH (> C22-C36)	0.728		2	2.35	81	2.42	85	3	60-140/30

CAS No.	Surrogate Recoveries	MS	MSD	F49536-1	Limits
84-15-1	o-Terphenyl	80%	80%	81%	42-114%

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F49536
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12017
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 05/18/07

Metal	RL	IDL	MB raw	final
Mercury	1.0	.08	0.0040	<1.0

Associated samples MP12017: F49536-1, F49536-2, F49536-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F49536
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12017
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 05/18/07 05/18/07

Metal	F49499-1 Original	DUP	RPD	QC Limits	F49499-1 Original	MS	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.0	0.0	NC	0-20	0.0	2.6	3	86.7	80-120

Associated samples MP12017: F49536-1, F49536-2, F49536-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F49536
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12017 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/18/07

Metal	F49499-1 Original	MSD	Spikelot HGFLWS1	% Rec	MSD RPD	QC Limit
Mercury	0.0	2.6	3	86.7	0.0	20

Associated samples MP12017: F49536-1, F49536-2, F49536-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F49536
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12017
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 05/18/07

Metal	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	3.0	3	100.0	80-120

Associated samples MP12017: F49536-1, F49536-2, F49536-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: F49536
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12017
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 05/18/07

Metal	F49499-1 Original	SDL 1:5	RPD	QC Limits
Mercury	0.00	0.00	NC	0-10

Associated samples MP12017: F49536-1, F49536-2, F49536-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F49536
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12039
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date:				05/21/07		05/21/07
Metal	RL	IDL	MB raw	final	MB raw	final
Aluminum	200	18				
Antimony	6.0	3.4				
Arsenic	10	2.8	-1.1	<10	1.8	<10
Barium	200	5	0.12	<200	0.080	<200
Beryllium	4.0	1				
Cadmium	5.0	1	0.25	<5.0	-0.090	<5.0
Calcium	1000	42				
Chromium	10	.6	0.040	<10	0.17	<10
Cobalt	50	1				
Copper	25	.9				
Iron	300	12	anr			
Lead	5.0	1.7	2.1	<5.0	1.1	<5.0
Magnesium	5000	4.3				
Manganese	15	.6				
Molybdenum	50	1.3				
Nickel	40	1				
Potassium	10000	10				
Selenium	10	2	0.70	<10	-0.33	<10
Silver	10	.9	-0.47	<10	-0.86	<10
Sodium	10000	500				
Thallium	10	2.3				
Tin	50	3.1				
Vanadium	50	.6				
Zinc	20	1.3				

Associated samples MP12039: F49536-1, F49536-2, F49536-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F49536
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12039
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 05/21/07 05/21/07

Metal	F49536-1 Original	DUP	RPD	QC Limits	F49536-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic	9.9	4.7	71.2 (a)	0-20	9.9	2090	2000	104.0	80-120
Barium	27.7	27.5	0.7	0-20	27.7	2050	2000	101.1	80-120
Beryllium									
Cadmium	0.0	0.0	NC	0-20	0.0	47.0	50	94.0	80-120
Calcium									
Chromium	1.2	1.5	22.2 (a)	0-20	1.2	186	200	92.4	80-120
Cobalt									
Copper									
Iron	anr								
Lead	0.0	0.0	NC	0-20	0.0	475	500	95.0	80-120
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	0.0	0.0 (b)	NC	0-20	0.0	2320	2000	116.0	80-120
Silver	0.0	0.0	NC	0-20	0.0	54.2	50	108.4	80-120
Sodium									
Thallium									
Tin									
Vanadium									
Zinc									

Associated samples MP12039: F49536-1, F49536-2, F49536-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) RPD acceptable due to low duplicate and sample concentrations.
(b) Elevated reporting limit(s) due to matrix interference.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F49536
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12039 Methods: SW846 6010B
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/21/07

Metal	F49536-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	9.9	2140	2000	106.5	2.4	20
Barium	27.7	2060	2000	101.6	0.5	20
Beryllium						
Cadmium	0.0	49.9	50	99.8	6.0	20
Calcium						
Chromium	1.2	194	200	96.4	4.2	20
Cobalt						
Copper						
Iron	anr					
Lead	0.0	491	500	98.2	3.3	20
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium	0.0	2350	2000	117.5	1.3	20
Silver	0.0	54.5	50	109.0	0.6	20
Sodium						
Thallium						
Tin						
Vanadium						
Zinc						

Associated samples MP12039: F49536-1, F49536-2, F49536-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F49536
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12039
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 05/21/07

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	1950	2000	97.5	80-120
Barium	1980	2000	99.0	80-120
Beryllium				
Cadmium	51.5	50	103.0	80-120
Calcium				
Chromium	202	200	101.0	80-120
Cobalt				
Copper				
Iron	anr			
Lead	504	500	100.8	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	1930	2000	96.5	80-120
Silver	46.8	50	93.6	80-120
Sodium				
Thallium				
Tin				
Vanadium				
Zinc				

Associated samples MP12039: F49536-1, F49536-2, F49536-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: F49536
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

QC Batch ID: MP12039
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 05/21/07

Metal	F49536-1 Original	SDL 1:5	RPD	QC Limits
Aluminum				
Antimony				
Arsenic	9.86	0.00	100.0(a)	0-10
Barium	27.7	26.3	5.1	0-10
Beryllium				
Cadmium	0.00	0.00	NC	0-10
Calcium				
Chromium	1.24	0.00	100.0(a)	0-10
Cobalt				
Copper				
Iron	anr			
Lead	0.00	0.00	NC	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	0.00	0.00	NC	0-10
Silver	0.00	0.00	NC	0-10
Sodium				
Thallium				
Tin				
Vanadium				
Zinc				

Associated samples MP12039: F49536-1, F49536-2, F49536-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: F49536
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Solids, Total Dissolved	GN25481	100	<100	mg/l				

Associated Samples:
Batch GN25481: F49536-1, F49536-2, F49536-3
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: F49536
Account: BHATNM - Bhate Environmental Associates, Inc.
Project: HOLMN

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Solids, Total Dissolved	GN25481	F49499-1	mg/l	14600	13300	1.8	0-30%

Associated Samples:
Batch GN25481: F49536-1, F49536-2, F49536-3
(*) Outside of QC limits

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 FAX 714/538-1209

CLIENT BHATE Associates (12215)
ATTN: Marcia Olive
445 Union Blvd.
Suite 129
Lakewood, CO 80226

LAB REQUEST 192463
REPORTED 06/22/2007
RECEIVED 06/21/2007

PROJECT SS61
#9050361.01.02
P.O. #07-0627

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
808828	SS61EP-25
808829	SS61NE-20
808830	SS61WP-20
808831	SS61SE-20
808832	Trip Blank
808833	Laboratory Method Blank (Solid)
808834	Laboratory Method Blank (Water)

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

The reports of the Associated Laboratories are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 808828 **Client Sample ID:** SS61EP-25

Matrix: SOLID

Date Sampled: 06/20/2007
Time Sampled: 11:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
TPH-DHS	Gasoline	3260	500	1500.0	0.022	mg/Kg	06/21/07 YL
Surrogates						**Units**	**Control Limits**
TPH-DHS	a,a,a-Trifluorotoluene	150				%	55 - 200
8270C	1,2,4-Trichlorobenzene	ND	10	3000.0	79	ug/Kg	06/21/07 SD
8270C	1,2-Dichlorobenzene	ND	10	3000.0	64	ug/Kg	06/21/07 SD
8270C	1,3-Dichlorobenzene	ND	10	3000.0	68	ug/Kg	06/21/07 SD
8270C	1,4-Dichlorobenzene	ND	10	3000.0	61	ug/Kg	06/21/07 SD
8270C	2,4,5-Trichlorophenol	ND	10	3000.0	83	ug/Kg	06/21/07 SD
8270C	2,4,6-Trichlorophenol	ND	10	3000.0	66	ug/Kg	06/21/07 SD
8270C	2,4-Dichlorophenol	ND	10	3000.0	81	ug/Kg	06/21/07 SD
8270C	2,4-Dimethylphenol	ND	10	3000.0	217	ug/Kg	06/21/07 SD
8270C	2,4-Dinitrophenol	ND	10	3000.0	32	ug/Kg	06/21/07 SD
8270C	2,4-Dinitrotoluene	ND	10	3000.0	66	ug/Kg	06/21/07 SD
8270C	2,6-Dinitrotoluene	ND	10	3000.0	82	ug/Kg	06/21/07 SD
8270C	2-Chloronaphthalene	ND	10	3000.0	86	ug/Kg	06/21/07 SD
8270C	2-Chlorophenol	ND	10	3000.0	65	ug/Kg	06/21/07 SD
8270C	2-Methylnaphthalene	ND	10	3000.0	49	ug/Kg	06/21/07 SD
8270C	2-Methylphenol	ND	10	3000.0	80	ug/Kg	06/21/07 SD
8270C	2-Nitroaniline	ND	10	3000.0	78	ug/Kg	06/21/07 SD
8270C	2-Nitrophenol	ND	10	3000.0	79	ug/Kg	06/21/07 SD
8270C	3,3-Dichlorobenzidine	ND	10	3000.0	68	ug/Kg	06/21/07 SD
8270C	3-Methylphenol	ND	10	5000.0	194	ug/Kg	06/21/07 SD
8270C	3-Nitroaniline	ND	10	3000.0	116	ug/Kg	06/21/07 SD
8270C	4,6-Dinitro-2-methylphenol	ND	10	3000.0	61	ug/Kg	06/21/07 SD
8270C	4-Bromophenyl-phenylether	ND	10	3000.0	79	ug/Kg	06/21/07 SD
8270C	4-Chloro-3-methylphenol	ND	10	3000.0	63	ug/Kg	06/21/07 SD
8270C	4-Chloroaniline	ND	10	3000.0	68	ug/Kg	06/21/07 SD
8270C	4-Chlorophenyl-phenylether	ND	10	3000.0	76	ug/Kg	06/21/07 SD
8270C	4-Methylphenol	ND	10	5000.0	194	ug/Kg	06/21/07 SD
8270C	4-Nitroaniline	ND	10	3000.0	146	ug/Kg	06/21/07 SD
8270C	4-Nitrophenol	ND	10	3000.0	98	ug/Kg	06/21/07 SD
8270C	Acenaphthene	ND	10	3000.0	79	ug/Kg	06/21/07 SD
8270C	Acenaphthylene	ND	10	3000.0	83	ug/Kg	06/21/07 SD

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 808828 **Client Sample ID:** SS61EP-25

Matrix: SOLID

Date Sampled: 06/20/2007
Time Sampled: 11:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Anthracene	ND	10	3000.0	55	ug/Kg	06/21/07 SD
8270C	Benzidine	ND	10	15000.0	686	ug/Kg	06/21/07 SD
8270C	Benzo(a)anthracene	ND	10	3000.0	52	ug/Kg	06/21/07 SD
8270C	Benzo(a)pyrene	ND	10	3000.0	117	ug/Kg	06/21/07 SD
8270C	Benzo(b)fluoranthene	ND	10	3000.0	136	ug/Kg	06/21/07 SD
8270C	Benzo(g,h,i)perylene	ND	10	3000.0	78	ug/Kg	06/21/07 SD
8270C	Benzo(k)fluoranthene	ND	10	3000.0	110	ug/Kg	06/21/07 SD
8270C	Benzoic Acid	ND	10	3000.0	300	ug/Kg	06/21/07 SD
8270C	Benzyl alcohol	ND	10	3000.0	75	ug/Kg	06/21/07 SD
8270C	bis(2-Chloroethoxy)methane	ND	10	3000.0	80	ug/Kg	06/21/07 SD
8270C	bis(2-Chloroethyl)ether	ND	10	3000.0	71	ug/Kg	06/21/07 SD
8270C	bis(2-Chloroisopropyl) ether	ND	10	3000.0	69	ug/Kg	06/21/07 SD
8270C	bis(2-Ethylhexyl)phthalate	ND	10	3000.0	109	ug/Kg	06/21/07 SD
8270C	Butylbenzylphthalate	ND	10	3000.0	82	ug/Kg	06/21/07 SD
8270C	Chrysene	ND	10	3000.0	48	ug/Kg	06/21/07 SD
8270C	Di-n-butylphthalate	ND	10	3000.0	145	ug/Kg	06/21/07 SD
8270C	Di-n-octylphthalate	ND	10	3000.0	101	ug/Kg	06/21/07 SD
8270C	Dibenz(a,h)anthracene	ND	10	3000.0	78	ug/Kg	06/21/07 SD
8270C	Dibenzofuran	ND	10	3000.0	77	ug/Kg	06/21/07 SD
8270C	Diethylphthalate	ND	10	3000.0	69	ug/Kg	06/21/07 SD
8270C	Dimethylphthalate	ND	10	3000.0	70	ug/Kg	06/21/07 SD
8270C	Fluoranthene	ND	10	3000.0	54	ug/Kg	06/21/07 SD
8270C	Fluorene	ND	10	3000.0	70	ug/Kg	06/21/07 SD
8270C	Hexachlorobenzene	ND	10	3000.0	73	ug/Kg	06/21/07 SD
8270C	Hexachlorobutadiene	ND	10	3000.0	62	ug/Kg	06/21/07 SD
8270C	Hexachlorocyclopentadiene	ND	10	3000.0	75	ug/Kg	06/21/07 SD
8270C	Hexachloroethane	ND	10	3000.0	67	ug/Kg	06/21/07 SD
8270C	Indeno(1,2,3-c,d)pyrene	ND	10	3000.0	112	ug/Kg	06/21/07 SD
8270C	Isophorone	ND	10	3000.0	90	ug/Kg	06/21/07 SD
8270C	N-Nitroso-di-n-propylamine	ND	10	3000.0	86	ug/Kg	06/21/07 SD
8270C	N-Nitrosodiphenylamine	ND	10	3000.0	86	ug/Kg	06/21/07 SD
8270C	Naphthalene	ND	10	3000.0	58	ug/Kg	06/21/07 SD
8270C	Nitrobenzene	ND	10	3000.0	115	ug/Kg	06/21/07 SD
8270C	Pentachlorophenol	ND	10	3000.0	47	ug/Kg	06/21/07 SD
8270C	Phenanthrene	ND	10	3000.0	49	ug/Kg	06/21/07 SD
8270C	Phenol	ND	10	3000.0	65	ug/Kg	06/21/07 SD

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 808828 **Client Sample ID:** SS61EP-25

Matrix: SOLID

Date Sampled: 06/20/2007
Time Sampled: 11:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Pyrene	ND	10	3000.0	80	ug/Kg	06/21/07 SD
Surrogates						**Units**	**Control Limits**
8270C	2,4,6-Tribromophenol (sur)	56				%	17 - 122
8270C	2-Fluorobiphenyl (sur)	67				%	30 - 115
8270C	2-Fluorophenol (sur)	77				%	25 - 121
8270C	Nitrobenzene-d5 (sur)	76				%	23 - 120
8270C	Phenol-d5 (sur)	55				%	24 - 113
8270C	Terphenyl-d14 (sur)	91				%	18 - 137
8260B	1,1,1,2-Tetrachloroethane	ND	500	2500.0	0.24	ug/Kg	06/21/07 LZ
8260B	1,1,1-Trichloroethane	ND	500	2500.0	0.15	ug/Kg	06/21/07 LZ
8260B	1,1,2,2-Tetrachloroethane	ND	500	2500.0	0.29	ug/Kg	06/21/07 LZ
8260B	1,1,2-Trichloroethane	ND	500	2500.0	0.22	ug/Kg	06/21/07 LZ
8260B	1,1,2-Trichlorotrifluoroethane	ND	500	2500.0	0.74	ug/Kg	06/21/07 LZ
8260B	1,1-Dichloroethane	ND	500	2500.0	0.23	ug/Kg	06/21/07 LZ
8260B	1,1-Dichloroethene	ND	500	2500.0	0.18	ug/Kg	06/21/07 LZ
8260B	1,1-Dichloropropene	ND	500	2500.0	0.21	ug/Kg	06/21/07 LZ
8260B	1,2,3-Trichlorobenzene	ND	500	2500.0	0.18	ug/Kg	06/21/07 LZ
8260B	1,2,3-Trichloropropane	ND	500	2500.0	0.20	ug/Kg	06/21/07 LZ
8260B	1,2,4-Trichlorobenzene	ND	500	2500.0	0.33	ug/Kg	06/21/07 LZ
8260B	1,2,4-Trimethylbenzene	44700	500	2500.0	0.28	ug/Kg	06/21/07 LZ
8260B	1,2-Dibromo-3-chloropropane	ND	500	2500.0	0.20	ug/Kg	06/21/07 LZ
8260B	1,2-Dibromoethane	ND	500	2500.0	0.12	ug/Kg	06/21/07 LZ
8260B	1,2-Dichlorobenzene	ND	500	2500.0	0.18	ug/Kg	06/21/07 LZ
8260B	1,2-Dichloroethane	ND	500	2500.0	0.14	ug/Kg	06/21/07 LZ
8260B	1,2-Dichloropropane	ND	500	2500.0	0.34	ug/Kg	06/21/07 LZ
8260B	1,3,5-Trimethylbenzene	8330	500	2500.0	0.23	ug/Kg	06/21/07 LZ
8260B	1,3-Dichlorobenzene	ND	500	2500.0	0.21	ug/Kg	06/21/07 LZ
8260B	1,3-Dichloropropane	ND	500	2500.0	0.19	ug/Kg	06/21/07 LZ
8260B	1,4-Dichlorobenzene	ND	500	2500.0	0.24	ug/Kg	06/21/07 LZ
8260B	2,2-Dichloropropane	ND	500	2500.0	0.19	ug/Kg	06/21/07 LZ
8260B	2-Butanone (MEK)	ND	500	50000.0	0.72	ug/Kg	06/21/07 LZ
8260B	2-Chloroethyl vinyl ether	ND	500	2500.0	0.30	ug/Kg	06/21/07 LZ
8260B	2-Chlorotoluene	ND	500	2500.0	0.25	ug/Kg	06/21/07 LZ
8260B	4-Chlorotoluene	ND	500	2500.0	0.22	ug/Kg	06/21/07 LZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 808828 **Client Sample ID:** SS61EP-25

Matrix: SOLID

Date Sampled: 06/20/2007
Time Sampled: 11:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	4-Methyl -2- Pentanone	ND	500	2500.0	0.17	ug/Kg	06/21/07 LZ
8260B	Acetone	ND	500	25000.0	10	ug/Kg	06/21/07 LZ
8260B	Allyl chloride	ND	500	2500.0	0.14	ug/Kg	06/21/07 LZ
8260B	Benzene	ND	500	2500.0	0.18	ug/Kg	06/21/07 LZ
8260B	Bromobenzene	ND	500	2500.0	0.30	ug/Kg	06/21/07 LZ
8260B	Bromochloromethane	ND	500	2500.0	0.18	ug/Kg	06/21/07 LZ
8260B	Bromodichloromethane	ND	500	2500.0	0.20	ug/Kg	06/21/07 LZ
8260B	Bromoform	ND	500	2500.0	0.19	ug/Kg	06/21/07 LZ
8260B	Bromomethane	ND	500	2500.0	0.22	ug/Kg	06/21/07 LZ
8260B	Carbon tetrachloride	ND	500	2500.0	0.18	ug/Kg	06/21/07 LZ
8260B	Chlorobenzene	ND	500	2500.0	0.18	ug/Kg	06/21/07 LZ
8260B	Chloroethane	ND	500	2500.0	0.20	ug/Kg	06/21/07 LZ
8260B	Chloroform	ND	500	2500.0	0.17	ug/Kg	06/21/07 LZ
8260B	Chloromethane	ND	500	2500.0	0.21	ug/Kg	06/21/07 LZ
8260B	cis-1,2-Dichloroethene	ND	500	2500.0	0.20	ug/Kg	06/21/07 LZ
8260B	cis-1,3-Dichloropropene	ND	500	2500.0	0.20	ug/Kg	06/21/07 LZ
8260B	cis-1,4-Dichloro-2-butene	ND	500	2500.0	0.20	ug/Kg	06/21/07 LZ
8260B	Di-isopropyl ether (DIPE)	ND	500	5000.0	0.17	ug/Kg	06/21/07 LZ
8260B	Dibromochloromethane	ND	500	2500.0	0.19	ug/Kg	06/21/07 LZ
8260B	Dibromomethane	ND	500	2500.0	0.21	ug/Kg	06/21/07 LZ
8260B	Dichlorodifluoromethane	ND	500	2500.0	0.23	ug/Kg	06/21/07 LZ
8260B	Ethyl benzene	34100	500	2500.0	0.23	ug/Kg	06/21/07 LZ
8260B	Ethyl-tertbutylether (ETBE)	ND	500	5000.0	0.25	ug/Kg	06/21/07 LZ
8260B	Hexachlorobutadiene	ND	500	2500.0	0.42	ug/Kg	06/21/07 LZ
8260B	Hexane	ND	500	50000.0	100	ug/Kg	06/21/07 LZ
8260B	Isopropylbenzene (Cumene)	111000	500	2500.0	0.25	ug/Kg	06/21/07 LZ
8260B	Methyl-tert-butylether (MTBE)	ND	500	2500.0	0.17	ug/Kg	06/21/07 LZ
8260B	Methylene chloride	ND	500	2500.0	0.21	ug/Kg	06/21/07 LZ
8260B	n-Butylbenzene	ND	500	2500.0	0.25	ug/Kg	06/21/07 LZ
8260B	n-Propylbenzene	5610	500	2500.0	0.22	ug/Kg	06/21/07 LZ
8260B	Naphthalene	ND	500	2500.0	0.16	ug/Kg	06/21/07 LZ
8260B	p-Isopropyltoluene	ND	500	2500.0	0.27	ug/Kg	06/21/07 LZ
8260B	sec-Butylbenzene	1700 J	500	2500.0	0.28	ug/Kg	06/21/07 LZ
8260B	Styrene	ND	500	2500.0	0.13	ug/Kg	06/21/07 LZ
8260B	Tert-amylmethylether (TAME)	ND	500	5000.0	0.13	ug/Kg	06/21/07 LZ
8260B	tert-Butylbenzene	ND	500	2500.0	0.34	ug/Kg	06/21/07 LZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 808828 **Client Sample ID:** SS61EP-25

Matrix: SOLID

Date Sampled: 06/20/2007
Time Sampled: 11:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Tertiary butyl alcohol (TBA)	ND	500	25000.0	10	ug/Kg	06/21/07 LZ
8260B	Tetrachloroethene	ND	500	2500.0	0.23	ug/Kg	06/21/07 LZ
8260B	Toluene	8980	500	2500.0	0.17	ug/Kg	06/21/07 LZ
8260B	trans-1,2-Dichloroethene	ND	500	2500.0	0.19	ug/Kg	06/21/07 LZ
8260B	trans-1,3-Dichloropropene	ND	500	2500.0	0.18	ug/Kg	06/21/07 LZ
8260B	trans-1,4-Dichloro-2-butene	ND	500	2500.0	0.20	ug/Kg	06/21/07 LZ
8260B	Trichloroethene	ND	500	2500.0	0.23	ug/Kg	06/21/07 LZ
8260B	Trichlorofluoromethane	ND	500	2500.0	0.23	ug/Kg	06/21/07 LZ
8260B	Vinyl chloride	ND	500	2500.0	0.14	ug/Kg	06/21/07 LZ
8260B	Xylenes, total	119000	500	2500.0	0.38	ug/Kg	06/21/07 LZ

Surrogates				Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	67 S		%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	107		%	70 - 135
8260B	Surr3 - Toluene-d8	106		%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	98		%	70 - 135

8015	Motor Oil	ND	1	5	1.6	mg/Kg	06/21/07 AF
8015	TEPH Diesel	ND	1	1.0	0.37	mg/Kg	06/21/07 AF

Surrogates			Units	Control Limits
8015	o-Terphenyl (sur)	73	%	55 - 200

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 808829 **Client Sample ID:** SS61NE-20

Matrix: SOLID

Date Sampled: 06/20/2007
Time Sampled: 11:38

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
TPH-DHS	Gasoline	1730	200	600.0	0.022	mg/Kg	06/21/07 YL
Surrogates						**Units**	**Control Limits**
TPH-DHS	a,a,a-Trifluorotoluene	100				%	55 - 200
8270C	1,2,4-Trichlorobenzene	ND	10	3000.0	79	ug/Kg	06/21/07 SD
8270C	1,2-Dichlorobenzene	ND	10	3000.0	64	ug/Kg	06/21/07 SD
8270C	1,3-Dichlorobenzene	ND	10	3000.0	68	ug/Kg	06/21/07 SD
8270C	1,4-Dichlorobenzene	ND	10	3000.0	61	ug/Kg	06/21/07 SD
8270C	2,4,5-Trichlorophenol	ND	10	3000.0	83	ug/Kg	06/21/07 SD
8270C	2,4,6-Trichlorophenol	ND	10	3000.0	66	ug/Kg	06/21/07 SD
8270C	2,4-Dichlorophenol	ND	10	3000.0	81	ug/Kg	06/21/07 SD
8270C	2,4-Dimethylphenol	ND	10	3000.0	217	ug/Kg	06/21/07 SD
8270C	2,4-Dinitrophenol	ND	10	3000.0	32	ug/Kg	06/21/07 SD
8270C	2,4-Dinitrotoluene	ND	10	3000.0	66	ug/Kg	06/21/07 SD
8270C	2,6-Dinitrotoluene	ND	10	3000.0	82	ug/Kg	06/21/07 SD
8270C	2-Chloronaphthalene	ND	10	3000.0	86	ug/Kg	06/21/07 SD
8270C	2-Chlorophenol	ND	10	3000.0	65	ug/Kg	06/21/07 SD
8270C	2-Methylnaphthalene	ND	10	3000.0	49	ug/Kg	06/21/07 SD
8270C	2-Methylphenol	ND	10	3000.0	80	ug/Kg	06/21/07 SD
8270C	2-Nitroaniline	ND	10	3000.0	78	ug/Kg	06/21/07 SD
8270C	2-Nitrophenol	ND	10	3000.0	79	ug/Kg	06/21/07 SD
8270C	3,3-Dichlorobenzidine	ND	10	3000.0	68	ug/Kg	06/21/07 SD
8270C	3-Methylphenol	ND	10	5000.0	194	ug/Kg	06/21/07 SD
8270C	3-Nitroaniline	ND	10	3000.0	116	ug/Kg	06/21/07 SD
8270C	4,6-Dinitro-2-methylphenol	ND	10	3000.0	61	ug/Kg	06/21/07 SD
8270C	4-Bromophenyl-phenylether	ND	10	3000.0	79	ug/Kg	06/21/07 SD
8270C	4-Chloro-3-methylphenol	ND	10	3000.0	63	ug/Kg	06/21/07 SD
8270C	4-Chloroaniline	ND	10	3000.0	68	ug/Kg	06/21/07 SD
8270C	4-Chlorophenyl-phenylether	ND	10	3000.0	76	ug/Kg	06/21/07 SD
8270C	4-Methylphenol	ND	10	5000.0	194	ug/Kg	06/21/07 SD
8270C	4-Nitroaniline	ND	10	3000.0	146	ug/Kg	06/21/07 SD
8270C	4-Nitrophenol	ND	10	3000.0	98	ug/Kg	06/21/07 SD
8270C	Acenaphthene	ND	10	3000.0	79	ug/Kg	06/21/07 SD
8270C	Acenaphthylene	ND	10	3000.0	83	ug/Kg	06/21/07 SD

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 808829 **Client Sample ID:** SS61NE-20

Matrix: SOLID

Date Sampled: 06/20/2007
Time Sampled: 11:38

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Anthracene	ND	10	3000.0	55	ug/Kg	06/21/07 SD
8270C	Benzidine	ND	10	15000.0	686	ug/Kg	06/21/07 SD
8270C	Benzo(a)anthracene	ND	10	3000.0	52	ug/Kg	06/21/07 SD
8270C	Benzo(a)pyrene	ND	10	3000.0	117	ug/Kg	06/21/07 SD
8270C	Benzo(b)fluoranthene	ND	10	3000.0	136	ug/Kg	06/21/07 SD
8270C	Benzo(g,h,i)perylene	ND	10	3000.0	78	ug/Kg	06/21/07 SD
8270C	Benzo(k)fluoranthene	ND	10	3000.0	110	ug/Kg	06/21/07 SD
8270C	Benzoic Acid	ND	10	3000.0	300	ug/Kg	06/21/07 SD
8270C	Benzyl alcohol	ND	10	3000.0	75	ug/Kg	06/21/07 SD
8270C	bis(2-Chloroethoxy)methane	ND	10	3000.0	80	ug/Kg	06/21/07 SD
8270C	bis(2-Chloroethyl)ether	ND	10	3000.0	71	ug/Kg	06/21/07 SD
8270C	bis(2-Chloroisopropyl) ether	ND	10	3000.0	69	ug/Kg	06/21/07 SD
8270C	bis(2-Ethylhexyl)phthalate	ND	10	3000.0	109	ug/Kg	06/21/07 SD
8270C	Butylbenzylphthalate	ND	10	3000.0	82	ug/Kg	06/21/07 SD
8270C	Chrysene	ND	10	3000.0	48	ug/Kg	06/21/07 SD
8270C	Di-n-butylphthalate	ND	10	3000.0	145	ug/Kg	06/21/07 SD
8270C	Di-n-octylphthalate	ND	10	3000.0	101	ug/Kg	06/21/07 SD
8270C	Dibenz(a,h)anthracene	ND	10	3000.0	78	ug/Kg	06/21/07 SD
8270C	Dibenzofuran	ND	10	3000.0	77	ug/Kg	06/21/07 SD
8270C	Diethylphthalate	ND	10	3000.0	69	ug/Kg	06/21/07 SD
8270C	Dimethylphthalate	ND	10	3000.0	70	ug/Kg	06/21/07 SD
8270C	Fluoranthene	ND	10	3000.0	54	ug/Kg	06/21/07 SD
8270C	Fluorene	ND	10	3000.0	70	ug/Kg	06/21/07 SD
8270C	Hexachlorobenzene	ND	10	3000.0	73	ug/Kg	06/21/07 SD
8270C	Hexachlorobutadiene	ND	10	3000.0	62	ug/Kg	06/21/07 SD
8270C	Hexachlorocyclopentadiene	ND	10	3000.0	75	ug/Kg	06/21/07 SD
8270C	Hexachloroethane	ND	10	3000.0	67	ug/Kg	06/21/07 SD
8270C	Indeno(1,2,3-c,d)pyrene	ND	10	3000.0	112	ug/Kg	06/21/07 SD
8270C	Isophorone	ND	10	3000.0	90	ug/Kg	06/21/07 SD
8270C	N-Nitroso-di-n-propylamine	ND	10	3000.0	86	ug/Kg	06/21/07 SD
8270C	N-Nitrosodiphenylamine	ND	10	3000.0	86	ug/Kg	06/21/07 SD
8270C	Naphthalene	ND	10	3000.0	58	ug/Kg	06/21/07 SD
8270C	Nitrobenzene	ND	10	3000.0	115	ug/Kg	06/21/07 SD
8270C	Pentachlorophenol	ND	10	3000.0	47	ug/Kg	06/21/07 SD
8270C	Phenanthrene	ND	10	3000.0	49	ug/Kg	06/21/07 SD
8270C	Phenol	ND	10	3000.0	65	ug/Kg	06/21/07 SD

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 808829 **Client Sample ID:** SS61NE-20

Matrix: SOLID

Date Sampled: 06/20/2007
Time Sampled: 11:38

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Pyrene	ND	10	3000.0	80	ug/Kg	06/21/07 SD
Surrogates						**Units**	**Control Limits**
8270C	2,4,6-Tribromophenol (sur)	56				%	17 - 122
8270C	2-Fluorobiphenyl (sur)	43				%	30 - 115
8270C	2-Fluorophenol (sur)	64				%	25 - 121
8270C	Nitrobenzene-d5 (sur)	68				%	23 - 120
8270C	Phenol-d5 (sur)	62				%	24 - 113
8270C	Terphenyl-d14 (sur)	91				%	18 - 137
8260B	1,1,1,2-Tetrachloroethane	ND	500	2500.0	0.24	ug/Kg	06/21/07 LZ
8260B	1,1,1-Trichloroethane	ND	500	2500.0	0.15	ug/Kg	06/21/07 LZ
8260B	1,1,2,2-Tetrachloroethane	ND	500	2500.0	0.29	ug/Kg	06/21/07 LZ
8260B	1,1,2-Trichloroethane	ND	500	2500.0	0.22	ug/Kg	06/21/07 LZ
8260B	1,1,2-Trichlorotrifluoroethane	ND	500	2500.0	0.74	ug/Kg	06/21/07 LZ
8260B	1,1-Dichloroethane	ND	500	2500.0	0.23	ug/Kg	06/21/07 LZ
8260B	1,1-Dichloroethene	ND	500	2500.0	0.18	ug/Kg	06/21/07 LZ
8260B	1,1-Dichloropropene	ND	500	2500.0	0.21	ug/Kg	06/21/07 LZ
8260B	1,2,3-Trichlorobenzene	ND	500	2500.0	0.18	ug/Kg	06/21/07 LZ
8260B	1,2,3-Trichloropropane	ND	500	2500.0	0.20	ug/Kg	06/21/07 LZ
8260B	1,2,4-Trichlorobenzene	ND	500	2500.0	0.33	ug/Kg	06/21/07 LZ
8260B	1,2,4-Trimethylbenzene	33500	500	2500.0	0.28	ug/Kg	06/21/07 LZ
8260B	1,2-Dibromo-3-chloropropane	ND	500	2500.0	0.20	ug/Kg	06/21/07 LZ
8260B	1,2-Dibromoethane	ND	500	2500.0	0.12	ug/Kg	06/21/07 LZ
8260B	1,2-Dichlorobenzene	ND	500	2500.0	0.18	ug/Kg	06/21/07 LZ
8260B	1,2-Dichloroethane	ND	500	2500.0	0.14	ug/Kg	06/21/07 LZ
8260B	1,2-Dichloropropane	ND	500	2500.0	0.34	ug/Kg	06/21/07 LZ
8260B	1,3,5-Trimethylbenzene	7580	500	2500.0	0.23	ug/Kg	06/21/07 LZ
8260B	1,3-Dichlorobenzene	ND	500	2500.0	0.21	ug/Kg	06/21/07 LZ
8260B	1,3-Dichloropropane	ND	500	2500.0	0.19	ug/Kg	06/21/07 LZ
8260B	1,4-Dichlorobenzene	ND	500	2500.0	0.24	ug/Kg	06/21/07 LZ
8260B	2,2-Dichloropropane	ND	500	2500.0	0.19	ug/Kg	06/21/07 LZ
8260B	2-Butanone (MEK)	ND	500	50000.0	0.72	ug/Kg	06/21/07 LZ
8260B	2-Chloroethyl vinyl ether	ND	500	2500.0	0.30	ug/Kg	06/21/07 LZ
8260B	2-Chlorotoluene	ND	500	2500.0	0.25	ug/Kg	06/21/07 LZ
8260B	4-Chlorotoluene	ND	500	2500.0	0.22	ug/Kg	06/21/07 LZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 808829 **Client Sample ID:** SS61NE-20

Matrix: SOLID

Date Sampled: 06/20/2007
Time Sampled: 11:38

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	4-Methyl -2- Pentanone	ND	500	2500.0	0.17	ug/Kg	06/21/07 LZ
8260B	Acetone	ND	500	25000.0	10	ug/Kg	06/21/07 LZ
8260B	Allyl chloride	ND	500	2500.0	0.14	ug/Kg	06/21/07 LZ
8260B	Benzene	ND	500	2500.0	0.18	ug/Kg	06/21/07 LZ
8260B	Bromobenzene	ND	500	2500.0	0.30	ug/Kg	06/21/07 LZ
8260B	Bromochloromethane	ND	500	2500.0	0.18	ug/Kg	06/21/07 LZ
8260B	Bromodichloromethane	ND	500	2500.0	0.20	ug/Kg	06/21/07 LZ
8260B	Bromoform	ND	500	2500.0	0.19	ug/Kg	06/21/07 LZ
8260B	Bromomethane	ND	500	2500.0	0.22	ug/Kg	06/21/07 LZ
8260B	Carbon tetrachloride	ND	500	2500.0	0.18	ug/Kg	06/21/07 LZ
8260B	Chlorobenzene	ND	500	2500.0	0.18	ug/Kg	06/21/07 LZ
8260B	Chloroethane	ND	500	2500.0	0.20	ug/Kg	06/21/07 LZ
8260B	Chloroform	ND	500	2500.0	0.17	ug/Kg	06/21/07 LZ
8260B	Chloromethane	ND	500	2500.0	0.21	ug/Kg	06/21/07 LZ
8260B	cis-1,2-Dichloroethene	ND	500	2500.0	0.20	ug/Kg	06/21/07 LZ
8260B	cis-1,3-Dichloropropene	ND	500	2500.0	0.20	ug/Kg	06/21/07 LZ
8260B	cis-1,4-Dichloro-2-butene	ND	500	2500.0	0.20	ug/Kg	06/21/07 LZ
8260B	Di-isopropyl ether (DIPE)	ND	500	5000.0	0.17	ug/Kg	06/21/07 LZ
8260B	Dibromochloromethane	ND	500	2500.0	0.19	ug/Kg	06/21/07 LZ
8260B	Dibromomethane	ND	500	2500.0	0.21	ug/Kg	06/21/07 LZ
8260B	Dichlorodifluoromethane	ND	500	2500.0	0.23	ug/Kg	06/21/07 LZ
8260B	Ethyl benzene	22300	500	2500.0	0.23	ug/Kg	06/21/07 LZ
8260B	Ethyl-tertbutylether (ETBE)	ND	500	5000.0	0.25	ug/Kg	06/21/07 LZ
8260B	Hexachlorobutadiene	ND	500	2500.0	0.42	ug/Kg	06/21/07 LZ
8260B	Hexane	ND	500	50000.0	100	ug/Kg	06/21/07 LZ
8260B	Isopropylbenzene (Cumene)	89000	500	2500.0	0.25	ug/Kg	06/21/07 LZ
8260B	Methyl-tert-butylether (MTBE)	ND	500	2500.0	0.17	ug/Kg	06/21/07 LZ
8260B	Methylene chloride	ND	500	2500.0	0.21	ug/Kg	06/21/07 LZ
8260B	n-Butylbenzene	ND	500	2500.0	0.25	ug/Kg	06/21/07 LZ
8260B	n-Propylbenzene	3760	500	2500.0	0.22	ug/Kg	06/21/07 LZ
8260B	Naphthalene	ND	500	2500.0	0.16	ug/Kg	06/21/07 LZ
8260B	p-Isopropyltoluene	ND	500	2500.0	0.27	ug/Kg	06/21/07 LZ
8260B	sec-Butylbenzene	1260 J	500	2500.0	0.28	ug/Kg	06/21/07 LZ
8260B	Styrene	ND	500	2500.0	0.13	ug/Kg	06/21/07 LZ
8260B	Tert-amylmethylether (TAME)	ND	500	5000.0	0.13	ug/Kg	06/21/07 LZ
8260B	tert-Butylbenzene	ND	500	2500.0	0.34	ug/Kg	06/21/07 LZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 808829 **Client Sample ID:** SS61NE-20

Matrix: SOLID

Date Sampled: 06/20/2007
Time Sampled: 11:38

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Tertiary butyl alcohol (TBA)	ND	500	25000.0	10	ug/Kg	06/21/07 LZ
8260B	Tetrachloroethene	ND	500	2500.0	0.23	ug/Kg	06/21/07 LZ
8260B	Toluene	9020	500	2500.0	0.17	ug/Kg	06/21/07 LZ
8260B	trans-1,2-Dichloroethene	ND	500	2500.0	0.19	ug/Kg	06/21/07 LZ
8260B	trans-1,3-Dichloropropene	ND	500	2500.0	0.18	ug/Kg	06/21/07 LZ
8260B	trans-1,4-Dichloro-2-butene	ND	500	2500.0	0.20	ug/Kg	06/21/07 LZ
8260B	Trichloroethene	ND	500	2500.0	0.23	ug/Kg	06/21/07 LZ
8260B	Trichlorofluoromethane	ND	500	2500.0	0.23	ug/Kg	06/21/07 LZ
8260B	Vinyl chloride	ND	500	2500.0	0.14	ug/Kg	06/21/07 LZ
8260B	Xylenes, total	86100	500	2500.0	0.38	ug/Kg	06/21/07 LZ

Surrogates				Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	67 S		%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	115		%	70 - 135
8260B	Surr3 - Toluene-d8	104		%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	97		%	70 - 135

8015	Motor Oil	ND	1	5	1.6	mg/Kg	06/21/07 AF
8015	TEPH Diesel	ND	1	1.0	0.37	mg/Kg	06/21/07 AF

Surrogates			Units	Control Limits
8015	o-Terphenyl (sur)	68	%	55 - 200

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 808830 **Client Sample ID:** SS61WP-20

Matrix: SOLID

Date Sampled: 06/20/2007
Time Sampled: 11:58

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
TPH-DHS	Gasoline	1200	200	600.0	0.022	mg/Kg	06/21/07 YL
Surrogates						**Units**	**Control Limits**
TPH-DHS	a,a,a-Trifluorotoluene	134				%	55 - 200
8270C	1,2,4-Trichlorobenzene	ND	10	3000.0	79	ug/Kg	06/21/07 SD
8270C	1,2-Dichlorobenzene	ND	10	3000.0	64	ug/Kg	06/21/07 SD
8270C	1,3-Dichlorobenzene	ND	10	3000.0	68	ug/Kg	06/21/07 SD
8270C	1,4-Dichlorobenzene	ND	10	3000.0	61	ug/Kg	06/21/07 SD
8270C	2,4,5-Trichlorophenol	ND	10	3000.0	83	ug/Kg	06/21/07 SD
8270C	2,4,6-Trichlorophenol	ND	10	3000.0	66	ug/Kg	06/21/07 SD
8270C	2,4-Dichlorophenol	ND	10	3000.0	81	ug/Kg	06/21/07 SD
8270C	2,4-Dimethylphenol	ND	10	3000.0	217	ug/Kg	06/21/07 SD
8270C	2,4-Dinitrophenol	ND	10	3000.0	32	ug/Kg	06/21/07 SD
8270C	2,4-Dinitrotoluene	ND	10	3000.0	66	ug/Kg	06/21/07 SD
8270C	2,6-Dinitrotoluene	ND	10	3000.0	82	ug/Kg	06/21/07 SD
8270C	2-Chloronaphthalene	ND	10	3000.0	86	ug/Kg	06/21/07 SD
8270C	2-Chlorophenol	ND	10	3000.0	65	ug/Kg	06/21/07 SD
8270C	2-Methylnaphthalene	ND	10	3000.0	49	ug/Kg	06/21/07 SD
8270C	2-Methylphenol	ND	10	3000.0	80	ug/Kg	06/21/07 SD
8270C	2-Nitroaniline	ND	10	3000.0	78	ug/Kg	06/21/07 SD
8270C	2-Nitrophenol	ND	10	3000.0	79	ug/Kg	06/21/07 SD
8270C	3,3-Dichlorobenzidine	ND	10	3000.0	68	ug/Kg	06/21/07 SD
8270C	3-Methylphenol	ND	10	5000.0	194	ug/Kg	06/21/07 SD
8270C	3-Nitroaniline	ND	10	3000.0	116	ug/Kg	06/21/07 SD
8270C	4,6-Dinitro-2-methylphenol	ND	10	3000.0	61	ug/Kg	06/21/07 SD
8270C	4-Bromophenyl-phenylether	ND	10	3000.0	79	ug/Kg	06/21/07 SD
8270C	4-Chloro-3-methylphenol	ND	10	3000.0	63	ug/Kg	06/21/07 SD
8270C	4-Chloroaniline	ND	10	3000.0	68	ug/Kg	06/21/07 SD
8270C	4-Chlorophenyl-phenylether	ND	10	3000.0	76	ug/Kg	06/21/07 SD
8270C	4-Methylphenol	ND	10	5000.0	194	ug/Kg	06/21/07 SD
8270C	4-Nitroaniline	ND	10	3000.0	146	ug/Kg	06/21/07 SD
8270C	4-Nitrophenol	ND	10	3000.0	98	ug/Kg	06/21/07 SD
8270C	Acenaphthene	ND	10	3000.0	79	ug/Kg	06/21/07 SD
8270C	Acenaphthylene	ND	10	3000.0	83	ug/Kg	06/21/07 SD

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 808830 **Client Sample ID:** SS61WP-20

Matrix: SOLID

Date Sampled: 06/20/2007
Time Sampled: 11:58

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Anthracene	ND	10	3000.0	55	ug/Kg	06/21/07 SD
8270C	Benzidine	ND	10	15000.0	686	ug/Kg	06/21/07 SD
8270C	Benzo(a)anthracene	ND	10	3000.0	52	ug/Kg	06/21/07 SD
8270C	Benzo(a)pyrene	ND	10	3000.0	117	ug/Kg	06/21/07 SD
8270C	Benzo(b)fluoranthene	ND	10	3000.0	136	ug/Kg	06/21/07 SD
8270C	Benzo(g,h,i)perylene	ND	10	3000.0	78	ug/Kg	06/21/07 SD
8270C	Benzo(k)fluoranthene	ND	10	3000.0	110	ug/Kg	06/21/07 SD
8270C	Benzoic Acid	ND	10	3000.0	300	ug/Kg	06/21/07 SD
8270C	Benzyl alcohol	ND	10	3000.0	75	ug/Kg	06/21/07 SD
8270C	bis(2-Chloroethoxy)methane	ND	10	3000.0	80	ug/Kg	06/21/07 SD
8270C	bis(2-Chloroethyl)ether	ND	10	3000.0	71	ug/Kg	06/21/07 SD
8270C	bis(2-Chloroisopropyl) ether	ND	10	3000.0	69	ug/Kg	06/21/07 SD
8270C	bis(2-Ethylhexyl)phthalate	ND	10	3000.0	109	ug/Kg	06/21/07 SD
8270C	Butylbenzylphthalate	ND	10	3000.0	82	ug/Kg	06/21/07 SD
8270C	Chrysene	ND	10	3000.0	48	ug/Kg	06/21/07 SD
8270C	Di-n-butylphthalate	ND	10	3000.0	145	ug/Kg	06/21/07 SD
8270C	Di-n-octylphthalate	ND	10	3000.0	101	ug/Kg	06/21/07 SD
8270C	Dibenz(a,h)anthracene	ND	10	3000.0	78	ug/Kg	06/21/07 SD
8270C	Dibenzofuran	ND	10	3000.0	77	ug/Kg	06/21/07 SD
8270C	Diethylphthalate	ND	10	3000.0	69	ug/Kg	06/21/07 SD
8270C	Dimethylphthalate	ND	10	3000.0	70	ug/Kg	06/21/07 SD
8270C	Fluoranthene	ND	10	3000.0	54	ug/Kg	06/21/07 SD
8270C	Fluorene	ND	10	3000.0	70	ug/Kg	06/21/07 SD
8270C	Hexachlorobenzene	ND	10	3000.0	73	ug/Kg	06/21/07 SD
8270C	Hexachlorobutadiene	ND	10	3000.0	62	ug/Kg	06/21/07 SD
8270C	Hexachlorocyclopentadiene	ND	10	3000.0	75	ug/Kg	06/21/07 SD
8270C	Hexachloroethane	ND	10	3000.0	67	ug/Kg	06/21/07 SD
8270C	Indeno(1,2,3-c,d)pyrene	ND	10	3000.0	112	ug/Kg	06/21/07 SD
8270C	Isophorone	ND	10	3000.0	90	ug/Kg	06/21/07 SD
8270C	N-Nitroso-di-n-propylamine	ND	10	3000.0	86	ug/Kg	06/21/07 SD
8270C	N-Nitrosodiphenylamine	ND	10	3000.0	86	ug/Kg	06/21/07 SD
8270C	Naphthalene	ND	10	3000.0	58	ug/Kg	06/21/07 SD
8270C	Nitrobenzene	ND	10	3000.0	115	ug/Kg	06/21/07 SD
8270C	Pentachlorophenol	ND	10	3000.0	47	ug/Kg	06/21/07 SD
8270C	Phenanthrene	ND	10	3000.0	49	ug/Kg	06/21/07 SD
8270C	Phenol	ND	10	3000.0	65	ug/Kg	06/21/07 SD

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 808830 **Client Sample ID:** SS61WP-20

Matrix: SOLID

Date Sampled: 06/20/2007
Time Sampled: 11:58

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Pyrene	ND	10	3000.0	80	ug/Kg	06/21/07 SD

Surrogates			Units	Control Limits
8270C	2,4,6-Tribromophenol (sur)	53	%	17 - 122
8270C	2-Fluorobiphenyl (sur)	71	%	30 - 115
8270C	2-Fluorophenol (sur)	72	%	25 - 121
8270C	Nitrobenzene-d5 (sur)	66	%	23 - 120
8270C	Phenol-d5 (sur)	68	%	24 - 113
8270C	Terphenyl-d14 (sur)	92	%	18 - 137

8260B	1,1,1,2-Tetrachloroethane	ND	200	1000.0	0.24	ug/Kg	06/21/07 LZ
8260B	1,1,1-Trichloroethane	ND	200	1000.0	0.15	ug/Kg	06/21/07 LZ
8260B	1,1,2,2-Tetrachloroethane	ND	200	1000.0	0.29	ug/Kg	06/21/07 LZ
8260B	1,1,2-Trichloroethane	ND	200	1000.0	0.22	ug/Kg	06/21/07 LZ
8260B	1,1,2-Trichlorotrifluoroethane	ND	200	1000.0	0.74	ug/Kg	06/21/07 LZ
8260B	1,1-Dichloroethane	ND	200	1000.0	0.23	ug/Kg	06/21/07 LZ
8260B	1,1-Dichloroethene	ND	200	1000.0	0.18	ug/Kg	06/21/07 LZ
8260B	1,1-Dichloropropene	ND	200	1000.0	0.21	ug/Kg	06/21/07 LZ
8260B	1,2,3-Trichlorobenzene	ND	200	1000.0	0.18	ug/Kg	06/21/07 LZ
8260B	1,2,3-Trichloropropane	ND	200	1000.0	0.20	ug/Kg	06/21/07 LZ
8260B	1,2,4-Trichlorobenzene	ND	200	1000.0	0.33	ug/Kg	06/21/07 LZ
8260B	1,2,4-Trimethylbenzene	7020	200	1000.0	0.28	ug/Kg	06/21/07 LZ
8260B	1,2-Dibromo-3-chloropropane	ND	200	1000.0	0.20	ug/Kg	06/21/07 LZ
8260B	1,2-Dibromoethane	ND	200	1000.0	0.12	ug/Kg	06/21/07 LZ
8260B	1,2-Dichlorobenzene	ND	200	1000.0	0.18	ug/Kg	06/21/07 LZ
8260B	1,2-Dichloroethane	ND	200	1000.0	0.14	ug/Kg	06/21/07 LZ
8260B	1,2-Dichloropropane	ND	200	1000.0	0.34	ug/Kg	06/21/07 LZ
8260B	1,3,5-Trimethylbenzene	ND	200	1000.0	0.23	ug/Kg	06/21/07 LZ
8260B	1,3-Dichlorobenzene	ND	200	1000.0	0.21	ug/Kg	06/21/07 LZ
8260B	1,3-Dichloropropane	ND	200	1000.0	0.19	ug/Kg	06/21/07 LZ
8260B	1,4-Dichlorobenzene	ND	200	1000.0	0.24	ug/Kg	06/21/07 LZ
8260B	2,2-Dichloropropane	ND	200	1000.0	0.19	ug/Kg	06/21/07 LZ
8260B	2-Butanone (MEK)	ND	200	20000.0	0.72	ug/Kg	06/21/07 LZ
8260B	2-Chloroethyl vinyl ether	ND	200	1000.0	0.30	ug/Kg	06/21/07 LZ
8260B	2-Chlorotoluene	ND	200	1000.0	0.25	ug/Kg	06/21/07 LZ
8260B	4-Chlorotoluene	ND	200	1000.0	0.22	ug/Kg	06/21/07 LZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 808830 **Client Sample ID:** SS61WP-20

Matrix: SOLID

Date Sampled: 06/20/2007
Time Sampled: 11:58

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	4-Methyl -2- Pentanone	ND	200	1000.0	0.17	ug/Kg	06/21/07 LZ
8260B	Acetone	ND	200	10000.0	10	ug/Kg	06/21/07 LZ
8260B	Allyl chloride	ND	200	1000.0	0.14	ug/Kg	06/21/07 LZ
8260B	Benzene	6530	200	1000.0	0.18	ug/Kg	06/21/07 LZ
8260B	Bromobenzene	ND	200	1000.0	0.30	ug/Kg	06/21/07 LZ
8260B	Bromochloromethane	ND	200	1000.0	0.18	ug/Kg	06/21/07 LZ
8260B	Bromodichloromethane	ND	200	1000.0	0.20	ug/Kg	06/21/07 LZ
8260B	Bromoform	ND	200	1000.0	0.19	ug/Kg	06/21/07 LZ
8260B	Bromomethane	ND	200	1000.0	0.22	ug/Kg	06/21/07 LZ
8260B	Carbon tetrachloride	ND	200	1000.0	0.18	ug/Kg	06/21/07 LZ
8260B	Chlorobenzene	ND	200	1000.0	0.18	ug/Kg	06/21/07 LZ
8260B	Chloroethane	ND	200	1000.0	0.20	ug/Kg	06/21/07 LZ
8260B	Chloroform	ND	200	1000.0	0.17	ug/Kg	06/21/07 LZ
8260B	Chloromethane	ND	200	1000.0	0.21	ug/Kg	06/21/07 LZ
8260B	cis-1,2-Dichloroethene	ND	200	1000.0	0.20	ug/Kg	06/21/07 LZ
8260B	cis-1,3-Dichloropropene	ND	200	1000.0	0.20	ug/Kg	06/21/07 LZ
8260B	cis-1,4-Dichloro-2-butene	ND	200	1000.0	0.20	ug/Kg	06/21/07 LZ
8260B	Di-isopropyl ether (DIPE)	ND	200	2000.0	0.17	ug/Kg	06/21/07 LZ
8260B	Dibromochloromethane	ND	200	1000.0	0.19	ug/Kg	06/21/07 LZ
8260B	Dibromomethane	ND	200	1000.0	0.21	ug/Kg	06/21/07 LZ
8260B	Dichlorodifluoromethane	ND	200	1000.0	0.23	ug/Kg	06/21/07 LZ
8260B	Ethyl benzene	15100	200	1000.0	0.23	ug/Kg	06/21/07 LZ
8260B	Ethyl-tertbutylether (ETBE)	ND	200	2000.0	0.25	ug/Kg	06/21/07 LZ
8260B	Hexachlorobutadiene	ND	200	1000.0	0.42	ug/Kg	06/21/07 LZ
8260B	Hexane	ND	200	20000.0	100	ug/Kg	06/21/07 LZ
8260B	Isopropylbenzene (Cumene)	37700	200	1000.0	0.25	ug/Kg	06/21/07 LZ
8260B	Methyl-tert-butylether (MTBE)	ND	200	1000.0	0.17	ug/Kg	06/21/07 LZ
8260B	Methylene chloride	ND	200	1000.0	0.21	ug/Kg	06/21/07 LZ
8260B	n-Butylbenzene	ND	200	1000.0	0.25	ug/Kg	06/21/07 LZ
8260B	n-Propylbenzene	2140	200	1000.0	0.22	ug/Kg	06/21/07 LZ
8260B	Naphthalene	ND	200	1000.0	0.16	ug/Kg	06/21/07 LZ
8260B	p-Isopropyltoluene	ND	200	1000.0	0.27	ug/Kg	06/21/07 LZ
8260B	sec-Butylbenzene	489 J	200	1000.0	0.28	ug/Kg	06/21/07 LZ
8260B	Styrene	ND	200	1000.0	0.13	ug/Kg	06/21/07 LZ
8260B	Tert-amylmethylether (TAME)	ND	200	2000.0	0.13	ug/Kg	06/21/07 LZ
8260B	tert-Butylbenzene	ND	200	1000.0	0.34	ug/Kg	06/21/07 LZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 808830 **Client Sample ID:** SS61WP-20

Matrix: SOLID

Date Sampled: 06/20/2007
Time Sampled: 11:58

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Tertiary butyl alcohol (TBA)	ND	200	10000.0	10	ug/Kg	06/21/07 LZ
8260B	Tetrachloroethene	ND	200	1000.0	0.23	ug/Kg	06/21/07 LZ
8260B	Toluene	4730	200	1000.0	0.17	ug/Kg	06/21/07 LZ
8260B	trans-1,2-Dichloroethene	ND	200	1000.0	0.19	ug/Kg	06/21/07 LZ
8260B	trans-1,3-Dichloropropene	ND	200	1000.0	0.18	ug/Kg	06/21/07 LZ
8260B	trans-1,4-Dichloro-2-butene	ND	200	1000.0	0.20	ug/Kg	06/21/07 LZ
8260B	Trichloroethene	ND	200	1000.0	0.23	ug/Kg	06/21/07 LZ
8260B	Trichlorofluoromethane	ND	200	1000.0	0.23	ug/Kg	06/21/07 LZ
8260B	Vinyl chloride	ND	200	1000.0	0.14	ug/Kg	06/21/07 LZ
8260B	Xylenes, total	23400	200	1000.0	0.38	ug/Kg	06/21/07 LZ

Surrogates				Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	106		%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	91		%	70 - 135
8260B	Surr3 - Toluene-d8	105		%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	99		%	70 - 135

8015	Motor Oil	ND	1	5	1.6	mg/Kg	06/21/07 AF
8015	TEPH Diesel	2.4	1	1.0	0.37	mg/Kg	06/21/07 AF

Surrogates			Units	Control Limits
8015	o-Terphenyl (sur)	99	%	55 - 200

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 808831 **Client Sample ID:** SS61SE-20

Matrix: SOLID

Date Sampled: 06/20/2007
Time Sampled: 12:23

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
TPH-DHS	Gasoline	2080	200	600.0	0.022	mg/Kg	06/21/07 YL
Surrogates						**Units**	**Control Limits**
TPH-DHS	a,a,a-Trifluorotoluene	147				%	55 - 200
8270C	1,2,4-Trichlorobenzene	ND	10	3000.0	79	ug/Kg	06/21/07 SD
8270C	1,2-Dichlorobenzene	ND	10	3000.0	64	ug/Kg	06/21/07 SD
8270C	1,3-Dichlorobenzene	ND	10	3000.0	68	ug/Kg	06/21/07 SD
8270C	1,4-Dichlorobenzene	ND	10	3000.0	61	ug/Kg	06/21/07 SD
8270C	2,4,5-Trichlorophenol	ND	10	3000.0	83	ug/Kg	06/21/07 SD
8270C	2,4,6-Trichlorophenol	ND	10	3000.0	66	ug/Kg	06/21/07 SD
8270C	2,4-Dichlorophenol	ND	10	3000.0	81	ug/Kg	06/21/07 SD
8270C	2,4-Dimethylphenol	ND	10	3000.0	217	ug/Kg	06/21/07 SD
8270C	2,4-Dinitrophenol	ND	10	3000.0	32	ug/Kg	06/21/07 SD
8270C	2,4-Dinitrotoluene	ND	10	3000.0	66	ug/Kg	06/21/07 SD
8270C	2,6-Dinitrotoluene	ND	10	3000.0	82	ug/Kg	06/21/07 SD
8270C	2-Chloronaphthalene	ND	10	3000.0	86	ug/Kg	06/21/07 SD
8270C	2-Chlorophenol	ND	10	3000.0	65	ug/Kg	06/21/07 SD
8270C	2-Methylnaphthalene	ND	10	3000.0	49	ug/Kg	06/21/07 SD
8270C	2-Methylphenol	ND	10	3000.0	80	ug/Kg	06/21/07 SD
8270C	2-Nitroaniline	ND	10	3000.0	78	ug/Kg	06/21/07 SD
8270C	2-Nitrophenol	ND	10	3000.0	79	ug/Kg	06/21/07 SD
8270C	3,3-Dichlorobenzidine	ND	10	3000.0	68	ug/Kg	06/21/07 SD
8270C	3-Methylphenol	ND	10	5000.0	194	ug/Kg	06/21/07 SD
8270C	3-Nitroaniline	ND	10	3000.0	116	ug/Kg	06/21/07 SD
8270C	4,6-Dinitro-2-methylphenol	ND	10	3000.0	61	ug/Kg	06/21/07 SD
8270C	4-Bromophenyl-phenylether	ND	10	3000.0	79	ug/Kg	06/21/07 SD
8270C	4-Chloro-3-methylphenol	ND	10	3000.0	63	ug/Kg	06/21/07 SD
8270C	4-Chloroaniline	ND	10	3000.0	68	ug/Kg	06/21/07 SD
8270C	4-Chlorophenyl-phenylether	ND	10	3000.0	76	ug/Kg	06/21/07 SD
8270C	4-Methylphenol	ND	10	5000.0	194	ug/Kg	06/21/07 SD
8270C	4-Nitroaniline	ND	10	3000.0	146	ug/Kg	06/21/07 SD
8270C	4-Nitrophenol	ND	10	3000.0	98	ug/Kg	06/21/07 SD
8270C	Acenaphthene	ND	10	3000.0	79	ug/Kg	06/21/07 SD
8270C	Acenaphthylene	ND	10	3000.0	83	ug/Kg	06/21/07 SD

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 808831 **Client Sample ID:** SS61SE-20

Matrix: SOLID

Date Sampled: 06/20/2007
Time Sampled: 12:23

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Anthracene	ND	10	3000.0	55	ug/Kg	06/21/07 SD
8270C	Benzidine	ND	10	15000.0	686	ug/Kg	06/21/07 SD
8270C	Benzo(a)anthracene	ND	10	3000.0	52	ug/Kg	06/21/07 SD
8270C	Benzo(a)pyrene	ND	10	3000.0	117	ug/Kg	06/21/07 SD
8270C	Benzo(b)fluoranthene	ND	10	3000.0	136	ug/Kg	06/21/07 SD
8270C	Benzo(g,h,i)perylene	ND	10	3000.0	78	ug/Kg	06/21/07 SD
8270C	Benzo(k)fluoranthene	ND	10	3000.0	110	ug/Kg	06/21/07 SD
8270C	Benzoic Acid	ND	10	3000.0	300	ug/Kg	06/21/07 SD
8270C	Benzyl alcohol	ND	10	3000.0	75	ug/Kg	06/21/07 SD
8270C	bis(2-Chloroethoxy)methane	ND	10	3000.0	80	ug/Kg	06/21/07 SD
8270C	bis(2-Chloroethyl)ether	ND	10	3000.0	71	ug/Kg	06/21/07 SD
8270C	bis(2-Chloroisopropyl) ether	ND	10	3000.0	69	ug/Kg	06/21/07 SD
8270C	bis(2-Ethylhexyl)phthalate	ND	10	3000.0	109	ug/Kg	06/21/07 SD
8270C	Butylbenzylphthalate	ND	10	3000.0	82	ug/Kg	06/21/07 SD
8270C	Chrysene	ND	10	3000.0	48	ug/Kg	06/21/07 SD
8270C	Di-n-butylphthalate	ND	10	3000.0	145	ug/Kg	06/21/07 SD
8270C	Di-n-octylphthalate	ND	10	3000.0	101	ug/Kg	06/21/07 SD
8270C	Dibenz(a,h)anthracene	ND	10	3000.0	78	ug/Kg	06/21/07 SD
8270C	Dibenzofuran	ND	10	3000.0	77	ug/Kg	06/21/07 SD
8270C	Diethylphthalate	ND	10	3000.0	69	ug/Kg	06/21/07 SD
8270C	Dimethylphthalate	ND	10	3000.0	70	ug/Kg	06/21/07 SD
8270C	Fluoranthene	ND	10	3000.0	54	ug/Kg	06/21/07 SD
8270C	Fluorene	ND	10	3000.0	70	ug/Kg	06/21/07 SD
8270C	Hexachlorobenzene	ND	10	3000.0	73	ug/Kg	06/21/07 SD
8270C	Hexachlorobutadiene	ND	10	3000.0	62	ug/Kg	06/21/07 SD
8270C	Hexachlorocyclopentadiene	ND	10	3000.0	75	ug/Kg	06/21/07 SD
8270C	Hexachloroethane	ND	10	3000.0	67	ug/Kg	06/21/07 SD
8270C	Indeno(1,2,3-c,d)pyrene	ND	10	3000.0	112	ug/Kg	06/21/07 SD
8270C	Isophorone	ND	10	3000.0	90	ug/Kg	06/21/07 SD
8270C	N-Nitroso-di-n-propylamine	ND	10	3000.0	86	ug/Kg	06/21/07 SD
8270C	N-Nitrosodiphenylamine	ND	10	3000.0	86	ug/Kg	06/21/07 SD
8270C	Naphthalene	ND	10	3000.0	58	ug/Kg	06/21/07 SD
8270C	Nitrobenzene	ND	10	3000.0	115	ug/Kg	06/21/07 SD
8270C	Pentachlorophenol	ND	10	3000.0	47	ug/Kg	06/21/07 SD
8270C	Phenanthrene	ND	10	3000.0	49	ug/Kg	06/21/07 SD
8270C	Phenol	ND	10	3000.0	65	ug/Kg	06/21/07 SD

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 808831 **Client Sample ID:** SS61SE-20

Matrix: SOLID

Date Sampled: 06/20/2007
Time Sampled: 12:23

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Pyrene	ND	10	3000.0	80	ug/Kg	06/21/07 SD
Surrogates						**Units**	**Control Limits**
8270C	2,4,6-Tribromophenol (sur)	49				%	17 - 122
8270C	2-Fluorobiphenyl (sur)	70				%	30 - 115
8270C	2-Fluorophenol (sur)	73				%	25 - 121
8270C	Nitrobenzene-d5 (sur)	73				%	23 - 120
8270C	Phenol-d5 (sur)	59				%	24 - 113
8270C	Terphenyl-d14 (sur)	88				%	18 - 137
8260B	1,1,1,2-Tetrachloroethane	ND	500	2500.0	0.24	ug/Kg	06/21/07 LZ
8260B	1,1,1-Trichloroethane	ND	500	2500.0	0.15	ug/Kg	06/21/07 LZ
8260B	1,1,2,2-Tetrachloroethane	ND	500	2500.0	0.29	ug/Kg	06/21/07 LZ
8260B	1,1,2-Trichloroethane	ND	500	2500.0	0.22	ug/Kg	06/21/07 LZ
8260B	1,1,2-Trichlorotrifluoroethane	ND	500	2500.0	0.74	ug/Kg	06/21/07 LZ
8260B	1,1-Dichloroethane	ND	500	2500.0	0.23	ug/Kg	06/21/07 LZ
8260B	1,1-Dichloroethene	ND	500	2500.0	0.18	ug/Kg	06/21/07 LZ
8260B	1,1-Dichloropropene	ND	500	2500.0	0.21	ug/Kg	06/21/07 LZ
8260B	1,2,3-Trichlorobenzene	ND	500	2500.0	0.18	ug/Kg	06/21/07 LZ
8260B	1,2,3-Trichloropropane	ND	500	2500.0	0.20	ug/Kg	06/21/07 LZ
8260B	1,2,4-Trichlorobenzene	ND	500	2500.0	0.33	ug/Kg	06/21/07 LZ
8260B	1,2,4-Trimethylbenzene	51400	500	2500.0	0.28	ug/Kg	06/21/07 LZ
8260B	1,2-Dibromo-3-chloropropane	ND	500	2500.0	0.20	ug/Kg	06/21/07 LZ
8260B	1,2-Dibromoethane	ND	500	2500.0	0.12	ug/Kg	06/21/07 LZ
8260B	1,2-Dichlorobenzene	ND	500	2500.0	0.18	ug/Kg	06/21/07 LZ
8260B	1,2-Dichloroethane	ND	500	2500.0	0.14	ug/Kg	06/21/07 LZ
8260B	1,2-Dichloropropane	ND	500	2500.0	0.34	ug/Kg	06/21/07 LZ
8260B	1,3,5-Trimethylbenzene	10900	500	2500.0	0.23	ug/Kg	06/21/07 LZ
8260B	1,3-Dichlorobenzene	ND	500	2500.0	0.21	ug/Kg	06/21/07 LZ
8260B	1,3-Dichloropropane	ND	500	2500.0	0.19	ug/Kg	06/21/07 LZ
8260B	1,4-Dichlorobenzene	ND	500	2500.0	0.24	ug/Kg	06/21/07 LZ
8260B	2,2-Dichloropropane	ND	500	2500.0	0.19	ug/Kg	06/21/07 LZ
8260B	2-Butanone (MEK)	ND	500	50000.0	0.72	ug/Kg	06/21/07 LZ
8260B	2-Chloroethyl vinyl ether	ND	500	2500.0	0.30	ug/Kg	06/21/07 LZ
8260B	2-Chlorotoluene	ND	500	2500.0	0.25	ug/Kg	06/21/07 LZ
8260B	4-Chlorotoluene	ND	500	2500.0	0.22	ug/Kg	06/21/07 LZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 808831 **Client Sample ID:** SS61SE-20

Matrix: SOLID

Date Sampled: 06/20/2007
Time Sampled: 12:23

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	4-Methyl -2- Pentanone	ND	500	2500.0	0.17	ug/Kg	06/21/07 LZ
8260B	Acetone	ND	500	25000.0	10	ug/Kg	06/21/07 LZ
8260B	Allyl chloride	ND	500	2500.0	0.14	ug/Kg	06/21/07 LZ
8260B	Benzene	ND	500	2500.0	0.18	ug/Kg	06/21/07 LZ
8260B	Bromobenzene	ND	500	2500.0	0.30	ug/Kg	06/21/07 LZ
8260B	Bromochloromethane	ND	500	2500.0	0.18	ug/Kg	06/21/07 LZ
8260B	Bromodichloromethane	ND	500	2500.0	0.20	ug/Kg	06/21/07 LZ
8260B	Bromoform	ND	500	2500.0	0.19	ug/Kg	06/21/07 LZ
8260B	Bromomethane	ND	500	2500.0	0.22	ug/Kg	06/21/07 LZ
8260B	Carbon tetrachloride	ND	500	2500.0	0.18	ug/Kg	06/21/07 LZ
8260B	Chlorobenzene	ND	500	2500.0	0.18	ug/Kg	06/21/07 LZ
8260B	Chloroethane	ND	500	2500.0	0.20	ug/Kg	06/21/07 LZ
8260B	Chloroform	ND	500	2500.0	0.17	ug/Kg	06/21/07 LZ
8260B	Chloromethane	ND	500	2500.0	0.21	ug/Kg	06/21/07 LZ
8260B	cis-1,2-Dichloroethene	ND	500	2500.0	0.20	ug/Kg	06/21/07 LZ
8260B	cis-1,3-Dichloropropene	ND	500	2500.0	0.20	ug/Kg	06/21/07 LZ
8260B	cis-1,4-Dichloro-2-butene	ND	500	2500.0	0.20	ug/Kg	06/21/07 LZ
8260B	Di-isopropyl ether (DIPE)	ND	500	5000.0	0.17	ug/Kg	06/21/07 LZ
8260B	Dibromochloromethane	ND	500	2500.0	0.19	ug/Kg	06/21/07 LZ
8260B	Dibromomethane	ND	500	2500.0	0.21	ug/Kg	06/21/07 LZ
8260B	Dichlorodifluoromethane	ND	500	2500.0	0.23	ug/Kg	06/21/07 LZ
8260B	Ethyl benzene	30400	500	2500.0	0.23	ug/Kg	06/21/07 LZ
8260B	Ethyl-tertbutylether (ETBE)	ND	500	5000.0	0.25	ug/Kg	06/21/07 LZ
8260B	Hexachlorobutadiene	ND	500	2500.0	0.42	ug/Kg	06/21/07 LZ
8260B	Hexane	ND	500	50000.0	100	ug/Kg	06/21/07 LZ
8260B	Isopropylbenzene (Cumene)	78000	500	2500.0	0.25	ug/Kg	06/21/07 LZ
8260B	Methyl-tert-butylether (MTBE)	ND	500	2500.0	0.17	ug/Kg	06/21/07 LZ
8260B	Methylene chloride	ND	500	2500.0	0.21	ug/Kg	06/21/07 LZ
8260B	n-Butylbenzene	ND	500	2500.0	0.25	ug/Kg	06/21/07 LZ
8260B	n-Propylbenzene	5470	500	2500.0	0.22	ug/Kg	06/21/07 LZ
8260B	Naphthalene	ND	500	2500.0	0.16	ug/Kg	06/21/07 LZ
8260B	p-Isopropyltoluene	ND	500	2500.0	0.27	ug/Kg	06/21/07 LZ
8260B	sec-Butylbenzene	1220 J	500	2500.0	0.28	ug/Kg	06/21/07 LZ
8260B	Styrene	ND	500	2500.0	0.13	ug/Kg	06/21/07 LZ
8260B	Tert-amylmethylether (TAME)	ND	500	5000.0	0.13	ug/Kg	06/21/07 LZ
8260B	tert-Butylbenzene	ND	500	2500.0	0.34	ug/Kg	06/21/07 LZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 808831 **Client Sample ID:** SS61SE-20

Matrix: SOLID

Date Sampled: 06/20/2007
Time Sampled: 12:23

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Tertiary butyl alcohol (TBA)	ND	500	25000.0	10	ug/Kg	06/21/07 LZ
8260B	Tetrachloroethene	ND	500	2500.0	0.23	ug/Kg	06/21/07 LZ
8260B	Toluene	29200	500	2500.0	0.17	ug/Kg	06/21/07 LZ
8260B	trans-1,2-Dichloroethene	ND	500	2500.0	0.19	ug/Kg	06/21/07 LZ
8260B	trans-1,3-Dichloropropene	ND	500	2500.0	0.18	ug/Kg	06/21/07 LZ
8260B	trans-1,4-Dichloro-2-butene	ND	500	2500.0	0.20	ug/Kg	06/21/07 LZ
8260B	Trichloroethene	ND	500	2500.0	0.23	ug/Kg	06/21/07 LZ
8260B	Trichlorofluoromethane	ND	500	2500.0	0.23	ug/Kg	06/21/07 LZ
8260B	Vinyl chloride	ND	500	2500.0	0.14	ug/Kg	06/21/07 LZ
8260B	Xylenes, total	134000	500	2500.0	0.38	ug/Kg	06/21/07 LZ

Surrogates				Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	103		%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	102		%	70 - 135
8260B	Surr3 - Toluene-d8	106		%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	94		%	70 - 135

8015	Motor Oil	ND	1	5.0	1.6	mg/Kg	06/21/07 AF
8015	TEPH Diesel	14	1	1.0	0.37	mg/Kg	06/21/07 AF

Surrogates			Units	Control Limits
8015	o-Terphenyl (sur)	84	%	55 - 200

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 808832 **Client Sample ID:** Trip Blank

Matrix: WATER

Date Sampled: 06/20/2007
Time Sampled: 11:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	1,1,1,2-Tetrachloroethane	ND	1	5	0.25	ug/L	06/21/07 LZ
8260B	1,1,1-Trichloroethane	ND	1	5	0.38	ug/L	06/21/07 LZ
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.25	ug/L	06/21/07 LZ
8260B	1,1,2-Trichloroethane	ND	1	5	0.25	ug/L	06/21/07 LZ
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.29	ug/L	06/21/07 LZ
8260B	1,1-Dichloroethane	ND	1	5	0.32	ug/L	06/21/07 LZ
8260B	1,1-Dichloroethene	ND	1	5	0.30	ug/L	06/21/07 LZ
8260B	1,1-Dichloropropene	ND	1	5	0.25	ug/L	06/21/07 LZ
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.28	ug/L	06/21/07 LZ
8260B	1,2,3-Trichloropropane	ND	1	5	0.16	ug/L	06/21/07 LZ
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.27	ug/L	06/21/07 LZ
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.28	ug/L	06/21/07 LZ
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	0.12	ug/L	06/21/07 LZ
8260B	1,2-Dibromoethane	ND	1	5	0.19	ug/L	06/21/07 LZ
8260B	1,2-Dichlorobenzene	ND	1	5	0.26	ug/L	06/21/07 LZ
8260B	1,2-Dichloroethane	ND	1	5	0.20	ug/L	06/21/07 LZ
8260B	1,2-Dichloropropane	ND	1	5	0.36	ug/L	06/21/07 LZ
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.24	ug/L	06/21/07 LZ
8260B	1,3-Dichlorobenzene	ND	1	5	0.34	ug/L	06/21/07 LZ
8260B	1,3-Dichloropropane	ND	1	5	0.19	ug/L	06/21/07 LZ
8260B	1,4-Dichlorobenzene	ND	1	5	0.43	ug/L	06/21/07 LZ
8260B	2,2-Dichloropropane	ND	1	5	0.32	ug/L	06/21/07 LZ
8260B	2-Butanone (MEK)	ND	1	100	0.78	ug/L	06/21/07 LZ
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.23	ug/L	06/21/07 LZ
8260B	2-Chlorotoluene	ND	1	5	0.33	ug/L	06/21/07 LZ
8260B	4-Chlorotoluene	ND	1	5	0.31	ug/L	06/21/07 LZ
8260B	4-Methyl -2- Pentanone	ND	1	10	0.12	ug/L	06/21/07 LZ
8260B	Acetone	ND	1	100	10	ug/L	06/21/07 LZ
8260B	Allyl chloride	ND	1	5	0.19	ug/L	06/21/07 LZ
8260B	Benzene	ND	1	1	0.18	ug/L	06/21/07 LZ
8260B	Bromobenzene	ND	1	5	0.53	ug/L	06/21/07 LZ
8260B	Bromochloromethane	ND	1	5	0.17	ug/L	06/21/07 LZ
8260B	Bromodichloromethane	ND	1	5	0.31	ug/L	06/21/07 LZ
8260B	Bromoform	ND	1	5	0.13	ug/L	06/21/07 LZ
8260B	Bromomethane	ND	1	5	0.68	ug/L	06/21/07 LZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 808832 **Client Sample ID:** Trip Blank

Matrix: WATER

Date Sampled: 06/20/2007
Time Sampled: 11:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Carbon tetrachloride	ND	1	5	0.27	ug/L	06/21/07 LZ
8260B	Chlorobenzene	ND	1	5	0.19	ug/L	06/21/07 LZ
8260B	Chloroethane	ND	1	5	0.45	ug/L	06/21/07 LZ
8260B	Chloroform	ND	1	5	0.18	ug/L	06/21/07 LZ
8260B	Chloromethane	ND	1	5	0.27	ug/L	06/21/07 LZ
8260B	cis-1,2-Dichloroethene	ND	1	5	0.27	ug/L	06/21/07 LZ
8260B	cis-1,3-Dichloropropene	ND	1	5	0.25	ug/L	06/21/07 LZ
8260B	cis-1,4-Dichloro-2-butene	ND	1	20	0.17	ug/L	06/21/07 LZ
8260B	Di-isopropyl ether (DIPE)	ND	1	1	0.20	ug/L	06/21/07 LZ
8260B	Dibromochloromethane	ND	1	5	0.21	ug/L	06/21/07 LZ
8260B	Dibromomethane	ND	1	5	0.23	ug/L	06/21/07 LZ
8260B	Dichlorodifluoromethane	ND	1	5	0.33	ug/L	06/21/07 LZ
8260B	Ethyl benzene	ND	1	5	0.21	ug/L	06/21/07 LZ
8260B	Ethyl-tertbutylether (ETBE)	ND	1	1	0.23	ug/L	06/21/07 LZ
8260B	Hexachlorobutadiene	ND	1	5	0.51	ug/L	06/21/07 LZ
8260B	Hexane	ND	1	50	50	ug/L	06/21/07 LZ
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.24	ug/L	06/21/07 LZ
8260B	m and p-Xylene	ND	1	5	0.45	ug/L	06/21/07 LZ
8260B	Methyl-tert-butylether (MTBE)	ND	1	1	0.19	ug/L	06/21/07 LZ
8260B	Methylene chloride	ND	1	5	0.16	ug/L	06/21/07 LZ
8260B	n-Butylbenzene	ND	1	5	0.38	ug/L	06/21/07 LZ
8260B	n-Propylbenzene	ND	1	5	0.31	ug/L	06/21/07 LZ
8260B	Naphthalene	ND	1	5	0.25	ug/L	06/21/07 LZ
8260B	o-Xylene	ND	1	5	0.29	ug/L	06/21/07 LZ
8260B	p-Isopropyltoluene	ND	1	5	0.32	ug/L	06/21/07 LZ
8260B	sec-Butylbenzene	ND	1	5	0.32	ug/L	06/21/07 LZ
8260B	Styrene	ND	1	5	0.22	ug/L	06/21/07 LZ
8260B	Tert-amylmethylether (TAME)	ND	1	1	0.19	ug/L	06/21/07 LZ
8260B	tert-Butylbenzene	ND	1	5	0.40	ug/L	06/21/07 LZ
8260B	Tertiary butyl alcohol (TBA)	ND	1	10	10	ug/L	06/21/07 LZ
8260B	Tetrachloroethene	ND	1	5	0.80	ug/L	06/21/07 LZ
8260B	Toluene	ND	1	5	0.24	ug/L	06/21/07 LZ
8260B	trans-1,2-Dichloroethene	ND	1	5	0.33	ug/L	06/21/07 LZ
8260B	trans-1,3-Dichloropropene	ND	1	5	0.23	ug/L	06/21/07 LZ
8260B	trans-1,4-Dichloro-2-butene	ND	1	20	0.17	ug/L	06/21/07 LZ
8260B	Trichloroethene	ND	1	5	0.39	ug/L	06/21/07 LZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 808832 **Client Sample ID:** Trip Blank

Matrix: WATER

Date Sampled: 06/20/2007
Time Sampled: 11:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Trichlorofluoromethane	ND	1	5	0.25	ug/L	06/21/07 LZ
8260B	Vinyl chloride	ND	1	5	0.18	ug/L	06/21/07 LZ
8260B	Xylenes, total	ND	1	5	0.45	ug/L	06/21/07 LZ

Surrogates			Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	98	%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	112	%	70 - 135
8260B	Surr3 - Toluene-d8	107	%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	98	%	70 - 135

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 808833 **Client Sample ID:** Laboratory Method Blank (Solid)

Matrix: SOLID

Time Sampled: :

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
TPH-DHS	Gasoline	ND	1	3	0.022	mg/Kg	06/21/07 YL
Surrogates						**Units**	**Control Limits**
TPH-DHS	a,a,a-Trifluorotoluene	69				%	55 - 200
8270C	1,2,4-Trichlorobenzene	ND	10	3000.0	79	ug/Kg	06/21/07 SD
8270C	1,2-Dichlorobenzene	ND	10	3000.0	64	ug/Kg	06/21/07 SD
8270C	1,3-Dichlorobenzene	ND	10	3000.0	68	ug/Kg	06/21/07 SD
8270C	1,4-Dichlorobenzene	ND	10	3000.0	61	ug/Kg	06/21/07 SD
8270C	2,4,5-Trichlorophenol	ND	10	3000.0	83	ug/Kg	06/21/07 SD
8270C	2,4,6-Trichlorophenol	ND	10	3000.0	66	ug/Kg	06/21/07 SD
8270C	2,4-Dichlorophenol	ND	10	3000.0	81	ug/Kg	06/21/07 SD
8270C	2,4-Dimethylphenol	ND	10	3000.0	217	ug/Kg	06/21/07 SD
8270C	2,4-Dinitrophenol	ND	10	3000.0	32	ug/Kg	06/21/07 SD
8270C	2,4-Dinitrotoluene	ND	10	3000.0	66	ug/Kg	06/21/07 SD
8270C	2,6-Dinitrotoluene	ND	10	3000.0	82	ug/Kg	06/21/07 SD
8270C	2-Chloronaphthalene	ND	10	3000.0	86	ug/Kg	06/21/07 SD
8270C	2-Chlorophenol	ND	10	3000.0	65	ug/Kg	06/21/07 SD
8270C	2-Methylnaphthalene	ND	10	3000.0	49	ug/Kg	06/21/07 SD
8270C	2-Methylphenol	ND	10	3000.0	80	ug/Kg	06/21/07 SD
8270C	2-Nitroaniline	ND	10	3000.0	78	ug/Kg	06/21/07 SD
8270C	2-Nitrophenol	ND	10	3000.0	79	ug/Kg	06/21/07 SD
8270C	3,3-Dichlorobenzidine	ND	10	3000.0	68	ug/Kg	06/21/07 SD
8270C	3-Methylphenol	ND	10	5000.0	194	ug/Kg	06/21/07 SD
8270C	3-Nitroaniline	ND	10	3000.0	116	ug/Kg	06/21/07 SD
8270C	4,6-Dinitro-2-methylphenol	ND	10	3000.0	61	ug/Kg	06/21/07 SD
8270C	4-Bromophenyl-phenylether	ND	10	3000.0	79	ug/Kg	06/21/07 SD
8270C	4-Chloro-3-methylphenol	ND	10	3000.0	63	ug/Kg	06/21/07 SD
8270C	4-Chloroaniline	ND	10	3000.0	68	ug/Kg	06/21/07 SD
8270C	4-Chlorophenyl-phenylether	ND	10	3000.0	76	ug/Kg	06/21/07 SD
8270C	4-Methylphenol	ND	10	5000.0	194	ug/Kg	06/21/07 SD
8270C	4-Nitroaniline	ND	10	3000.0	146	ug/Kg	06/21/07 SD
8270C	4-Nitrophenol	ND	10	3000.0	98	ug/Kg	06/21/07 SD
8270C	Acenaphthene	ND	10	3000.0	79	ug/Kg	06/21/07 SD
8270C	Acenaphthylene	ND	10	3000.0	83	ug/Kg	06/21/07 SD

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 808833 **Client Sample ID:** Laboratory Method Blank (Solid)

Matrix: SOLID

Time Sampled: :

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Anthracene	ND	10	3000.0	55	ug/Kg	06/21/07 SD
8270C	Benzidine	ND	10	15000.0	686	ug/Kg	06/21/07 SD
8270C	Benzo(a)anthracene	ND	10	3000.0	52	ug/Kg	06/21/07 SD
8270C	Benzo(a)pyrene	ND	10	3000.0	117	ug/Kg	06/21/07 SD
8270C	Benzo(b)fluoranthene	ND	10	3000.0	136	ug/Kg	06/21/07 SD
8270C	Benzo(g,h,i)perylene	ND	10	3000.0	78	ug/Kg	06/21/07 SD
8270C	Benzo(k)fluoranthene	ND	10	3000.0	110	ug/Kg	06/21/07 SD
8270C	Benzoic Acid	ND	10	3000.0	300	ug/Kg	06/21/07 SD
8270C	Benzyl alcohol	ND	10	3000.0	75	ug/Kg	06/21/07 SD
8270C	bis(2-Chloroethoxy)methane	ND	10	3000.0	80	ug/Kg	06/21/07 SD
8270C	bis(2-Chloroethyl)ether	ND	10	3000.0	71	ug/Kg	06/21/07 SD
8270C	bis(2-Chloroisopropyl) ether	ND	10	3000.0	69	ug/Kg	06/21/07 SD
8270C	bis(2-Ethylhexyl)phthalate	ND	10	3000.0	109	ug/Kg	06/21/07 SD
8270C	Butylbenzylphthalate	ND	10	3000.0	82	ug/Kg	06/21/07 SD
8270C	Chrysene	ND	10	3000.0	48	ug/Kg	06/21/07 SD
8270C	Di-n-butylphthalate	ND	10	3000.0	145	ug/Kg	06/21/07 SD
8270C	Di-n-octylphthalate	ND	10	3000.0	101	ug/Kg	06/21/07 SD
8270C	Dibenz(a,h)anthracene	ND	10	3000.0	78	ug/Kg	06/21/07 SD
8270C	Dibenzofuran	ND	10	3000.0	77	ug/Kg	06/21/07 SD
8270C	Diethylphthalate	ND	10	3000.0	69	ug/Kg	06/21/07 SD
8270C	Dimethylphthalate	ND	10	3000.0	70	ug/Kg	06/21/07 SD
8270C	Fluoranthene	ND	10	3000.0	54	ug/Kg	06/21/07 SD
8270C	Fluorene	ND	10	3000.0	70	ug/Kg	06/21/07 SD
8270C	Hexachlorobenzene	ND	10	3000.0	73	ug/Kg	06/21/07 SD
8270C	Hexachlorobutadiene	ND	10	3000.0	62	ug/Kg	06/21/07 SD
8270C	Hexachlorocyclopentadiene	ND	10	3000.0	75	ug/Kg	06/21/07 SD
8270C	Hexachloroethane	ND	10	3000.0	67	ug/Kg	06/21/07 SD
8270C	Indeno(1,2,3-c,d)pyrene	ND	10	3000.0	112	ug/Kg	06/21/07 SD
8270C	Isophorone	ND	10	3000.0	90	ug/Kg	06/21/07 SD
8270C	N-Nitroso-di-n-propylamine	ND	10	3000.0	86	ug/Kg	06/21/07 SD
8270C	N-Nitrosodiphenylamine	ND	10	3000.0	86	ug/Kg	06/21/07 SD
8270C	Naphthalene	ND	10	3000.0	58	ug/Kg	06/21/07 SD
8270C	Nitrobenzene	ND	10	3000.0	115	ug/Kg	06/21/07 SD
8270C	Pentachlorophenol	ND	10	3000.0	47	ug/Kg	06/21/07 SD
8270C	Phenanthrene	ND	10	3000.0	49	ug/Kg	06/21/07 SD
8270C	Phenol	ND	10	3000.0	65	ug/Kg	06/21/07 SD

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 808833 **Client Sample ID:** Laboratory Method Blank (Solid)

Matrix: SOLID

Time Sampled: :

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8270C	Pyrene	ND	10	3000.0	80	ug/Kg	06/21/07 SD
Surrogates						**Units**	**Control Limits**
8270C	2,4,6-Tribromophenol (sur)	65				%	17 - 122
8270C	2-Fluorobiphenyl (sur)	67				%	30 - 115
8270C	2-Fluorophenol (sur)	73				%	25 - 121
8270C	Nitrobenzene-d5 (sur)	65				%	23 - 120
8270C	Phenol-d5 (sur)	66				%	24 - 113
8270C	Terphenyl-d14 (sur)	85				%	18 - 137
8260B	1,1,1,2-Tetrachloroethane	ND	1	5	0.24	ug/Kg	06/21/07 LZ
8260B	1,1,1-Trichloroethane	ND	1	5	0.15	ug/Kg	06/21/07 LZ
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.29	ug/Kg	06/21/07 LZ
8260B	1,1,2-Trichloroethane	ND	1	5	0.22	ug/Kg	06/21/07 LZ
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.74	ug/Kg	06/21/07 LZ
8260B	1,1-Dichloroethane	ND	1	5	0.23	ug/Kg	06/21/07 LZ
8260B	1,1-Dichloroethene	ND	1	5	0.18	ug/Kg	06/21/07 LZ
8260B	1,1-Dichloropropene	ND	1	5	0.21	ug/Kg	06/21/07 LZ
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.18	ug/Kg	06/21/07 LZ
8260B	1,2,3-Trichloropropane	ND	1	5	0.20	ug/Kg	06/21/07 LZ
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.33	ug/Kg	06/21/07 LZ
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.28	ug/Kg	06/21/07 LZ
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	0.20	ug/Kg	06/21/07 LZ
8260B	1,2-Dibromoethane	ND	1	5	0.12	ug/Kg	06/21/07 LZ
8260B	1,2-Dichlorobenzene	ND	1	5	0.18	ug/Kg	06/21/07 LZ
8260B	1,2-Dichloroethane	ND	1	5	0.14	ug/Kg	06/21/07 LZ
8260B	1,2-Dichloropropane	ND	1	5	0.34	ug/Kg	06/21/07 LZ
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.23	ug/Kg	06/21/07 LZ
8260B	1,3-Dichlorobenzene	ND	1	5	0.21	ug/Kg	06/21/07 LZ
8260B	1,3-Dichloropropane	ND	1	5	0.19	ug/Kg	06/21/07 LZ
8260B	1,4-Dichlorobenzene	ND	1	5	0.24	ug/Kg	06/21/07 LZ
8260B	2,2-Dichloropropane	ND	1	5	0.19	ug/Kg	06/21/07 LZ
8260B	2-Butanone (MEK)	ND	1	100	0.72	ug/Kg	06/21/07 LZ
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.30	ug/Kg	06/21/07 LZ
8260B	2-Chlorotoluene	ND	1	5	0.25	ug/Kg	06/21/07 LZ
8260B	4-Chlorotoluene	ND	1	5	0.22	ug/Kg	06/21/07 LZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 808833 **Client Sample ID:** Laboratory Method Blank (Solid)

Matrix: SOLID

Time Sampled: :

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	4-Methyl -2- Pentanone	ND	1	5	0.17	ug/Kg	06/21/07 LZ
8260B	Acetone	ND	1	50	10	ug/Kg	06/21/07 LZ
8260B	Allyl chloride	ND	1	5	0.14	ug/Kg	06/21/07 LZ
8260B	Benzene	ND	1	5	0.18	ug/Kg	06/21/07 LZ
8260B	Bromobenzene	ND	1	5	0.30	ug/Kg	06/21/07 LZ
8260B	Bromochloromethane	ND	1	5	0.18	ug/Kg	06/21/07 LZ
8260B	Bromodichloromethane	ND	1	5	0.20	ug/Kg	06/21/07 LZ
8260B	Bromoform	ND	1	5	0.19	ug/Kg	06/21/07 LZ
8260B	Bromomethane	ND	1	5	0.22	ug/Kg	06/21/07 LZ
8260B	Carbon tetrachloride	ND	1	5	0.18	ug/Kg	06/21/07 LZ
8260B	Chlorobenzene	ND	1	5	0.18	ug/Kg	06/21/07 LZ
8260B	Chloroethane	ND	1	5	0.20	ug/Kg	06/21/07 LZ
8260B	Chloroform	ND	1	5	0.17	ug/Kg	06/21/07 LZ
8260B	Chloromethane	ND	1	5	0.21	ug/Kg	06/21/07 LZ
8260B	cis-1,2-Dichloroethene	ND	1	5	0.20	ug/Kg	06/21/07 LZ
8260B	cis-1,3-Dichloropropene	ND	1	5	0.20	ug/Kg	06/21/07 LZ
8260B	cis-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	06/21/07 LZ
8260B	Di-isopropyl ether (DIPE)	ND	1	10	0.17	ug/Kg	06/21/07 LZ
8260B	Dibromochloromethane	ND	1	5	0.19	ug/Kg	06/21/07 LZ
8260B	Dibromomethane	ND	1	5	0.21	ug/Kg	06/21/07 LZ
8260B	Dichlorodifluoromethane	ND	1	5	0.23	ug/Kg	06/21/07 LZ
8260B	Ethyl benzene	ND	1	5	0.23	ug/Kg	06/21/07 LZ
8260B	Ethyl-tertbutylether (ETBE)	ND	1	10	0.25	ug/Kg	06/21/07 LZ
8260B	Hexachlorobutadiene	ND	1	5	0.42	ug/Kg	06/21/07 LZ
8260B	Hexane	ND	1	100	100	ug/Kg	06/21/07 LZ
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.25	ug/Kg	06/21/07 LZ
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.17	ug/Kg	06/21/07 LZ
8260B	Methylene chloride	ND	1	5	0.21	ug/Kg	06/21/07 LZ
8260B	n-Butylbenzene	ND	1	5	0.25	ug/Kg	06/21/07 LZ
8260B	n-Propylbenzene	ND	1	5	0.22	ug/Kg	06/21/07 LZ
8260B	Naphthalene	ND	1	5	0.16	ug/Kg	06/21/07 LZ
8260B	p-Isopropyltoluene	ND	1	5	0.27	ug/Kg	06/21/07 LZ
8260B	sec-Butylbenzene	ND	1	5	0.28	ug/Kg	06/21/07 LZ
8260B	Styrene	ND	1	5	0.13	ug/Kg	06/21/07 LZ
8260B	Tert-amylmethylether (TAME)	ND	1	10	0.13	ug/Kg	06/21/07 LZ
8260B	tert-Butylbenzene	ND	1	5	0.34	ug/Kg	06/21/07 LZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 808833 **Client Sample ID:** Laboratory Method Blank (Solid)

Matrix: SOLID

Time Sampled: :

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Tertiary butyl alcohol (TBA)	ND	1	50	10	ug/Kg	06/21/07 LZ
8260B	Tetrachloroethene	ND	1	5	0.23	ug/Kg	06/21/07 LZ
8260B	Toluene	ND	1	5	0.17	ug/Kg	06/21/07 LZ
8260B	trans-1,2-Dichloroethene	ND	1	5	0.19	ug/Kg	06/21/07 LZ
8260B	trans-1,3-Dichloropropene	ND	1	5	0.18	ug/Kg	06/21/07 LZ
8260B	trans-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	06/21/07 LZ
8260B	Trichloroethene	ND	1	5	0.23	ug/Kg	06/21/07 LZ
8260B	Trichlorofluoromethane	ND	1	5	0.23	ug/Kg	06/21/07 LZ
8260B	Vinyl chloride	ND	1	5	0.14	ug/Kg	06/21/07 LZ
8260B	Xylenes, total	ND	1	5	0.38	ug/Kg	06/21/07 LZ
Surrogates						**Units**	**Control Limits**
8260B	Surr1 - Dibromofluoromethane	102				%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	112				%	70 - 135
8260B	Surr3 - Toluene-d8	103				%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	96				%	70 - 135
8015	Motor Oil	ND	1	5	1.6	mg/Kg	06/21/07 AF
8015	TEPH Diesel	ND	1	1.0	0.37	mg/Kg	06/21/07 AF
Surrogates						**Units**	**Control Limits**
8015	o-Terphenyl (sur)	139				%	55 - 200

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 808834 **Client Sample ID:** Laboratory Method Blank (Water)

Matrix: WATER

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	1,1,1,2-Tetrachloroethane	ND	1	5	0.25	ug/L	06/21/07 LZ
8260B	1,1,1-Trichloroethane	ND	1	5	0.38	ug/L	06/21/07 LZ
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.25	ug/L	06/21/07 LZ
8260B	1,1,2-Trichloroethane	ND	1	5	0.25	ug/L	06/21/07 LZ
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.29	ug/L	06/21/07 LZ
8260B	1,1-Dichloroethane	ND	1	5	0.32	ug/L	06/21/07 LZ
8260B	1,1-Dichloroethene	ND	1	5	0.30	ug/L	06/21/07 LZ
8260B	1,1-Dichloropropene	ND	1	5	0.25	ug/L	06/21/07 LZ
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.28	ug/L	06/21/07 LZ
8260B	1,2,3-Trichloropropane	ND	1	5	0.16	ug/L	06/21/07 LZ
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.27	ug/L	06/21/07 LZ
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.28	ug/L	06/21/07 LZ
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	0.12	ug/L	06/21/07 LZ
8260B	1,2-Dibromoethane	ND	1	5	0.19	ug/L	06/21/07 LZ
8260B	1,2-Dichlorobenzene	ND	1	5	0.26	ug/L	06/21/07 LZ
8260B	1,2-Dichloroethane	ND	1	5	0.20	ug/L	06/21/07 LZ
8260B	1,2-Dichloropropane	ND	1	5	0.36	ug/L	06/21/07 LZ
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.24	ug/L	06/21/07 LZ
8260B	1,3-Dichlorobenzene	ND	1	5	0.34	ug/L	06/21/07 LZ
8260B	1,3-Dichloropropane	ND	1	5	0.19	ug/L	06/21/07 LZ
8260B	1,4-Dichlorobenzene	ND	1	5	0.43	ug/L	06/21/07 LZ
8260B	2,2-Dichloropropane	ND	1	5	0.32	ug/L	06/21/07 LZ
8260B	2-Butanone (MEK)	ND	1	100	0.78	ug/L	06/21/07 LZ
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.23	ug/L	06/21/07 LZ
8260B	2-Chlorotoluene	ND	1	5	0.33	ug/L	06/21/07 LZ
8260B	4-Chlorotoluene	ND	1	5	0.31	ug/L	06/21/07 LZ
8260B	4-Methyl -2- Pentanone	ND	1	10	0.12	ug/L	06/21/07 LZ
8260B	Acetone	ND	1	100	10	ug/L	06/21/07 LZ
8260B	Allyl chloride	ND	1	5	0.19	ug/L	06/21/07 LZ
8260B	Benzene	ND	1	1	0.18	ug/L	06/21/07 LZ
8260B	Bromobenzene	ND	1	5	0.53	ug/L	06/21/07 LZ
8260B	Bromochloromethane	ND	1	5	0.17	ug/L	06/21/07 LZ
8260B	Bromodichloromethane	ND	1	5	0.31	ug/L	06/21/07 LZ
8260B	Bromoform	ND	1	5	0.13	ug/L	06/21/07 LZ
8260B	Bromomethane	ND	1	5	0.68	ug/L	06/21/07 LZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 808834 **Client Sample ID:** Laboratory Method Blank (Water)

Matrix: WATER

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Carbon tetrachloride	ND	1	5	0.27	ug/L	06/21/07 LZ
8260B	Chlorobenzene	ND	1	5	0.19	ug/L	06/21/07 LZ
8260B	Chloroethane	ND	1	5	0.45	ug/L	06/21/07 LZ
8260B	Chloroform	ND	1	5	0.18	ug/L	06/21/07 LZ
8260B	Chloromethane	ND	1	5	0.27	ug/L	06/21/07 LZ
8260B	cis-1,2-Dichloroethene	ND	1	5	0.27	ug/L	06/21/07 LZ
8260B	cis-1,3-Dichloropropene	ND	1	5	0.25	ug/L	06/21/07 LZ
8260B	cis-1,4-Dichloro-2-butene	ND	1	20	0.17	ug/L	06/21/07 LZ
8260B	Di-isopropyl ether (DIPE)	ND	1	1	0.20	ug/L	06/21/07 LZ
8260B	Dibromochloromethane	ND	1	5	0.21	ug/L	06/21/07 LZ
8260B	Dibromomethane	ND	1	5	0.23	ug/L	06/21/07 LZ
8260B	Dichlorodifluoromethane	ND	1	5	0.33	ug/L	06/21/07 LZ
8260B	Ethyl benzene	ND	1	5	0.21	ug/L	06/21/07 LZ
8260B	Ethyl-tertbutylether (ETBE)	ND	1	1	0.23	ug/L	06/21/07 LZ
8260B	Hexachlorobutadiene	ND	1	5	0.51	ug/L	06/21/07 LZ
8260B	Hexane	ND	1	50	50	ug/L	06/21/07 LZ
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.24	ug/L	06/21/07 LZ
8260B	m and p-Xylene	ND	1	5	0.45	ug/L	06/21/07 LZ
8260B	Methyl-tert-butylether (MTBE)	ND	1	1	0.19	ug/L	06/21/07 LZ
8260B	Methylene chloride	ND	1	5	0.16	ug/L	06/21/07 LZ
8260B	n-Butylbenzene	ND	1	5	0.38	ug/L	06/21/07 LZ
8260B	n-Propylbenzene	ND	1	5	0.31	ug/L	06/21/07 LZ
8260B	Naphthalene	ND	1	5	0.25	ug/L	06/21/07 LZ
8260B	o-Xylene	ND	1	5	0.29	ug/L	06/21/07 LZ
8260B	p-Isopropyltoluene	ND	1	5	0.32	ug/L	06/21/07 LZ
8260B	sec-Butylbenzene	ND	1	5	0.32	ug/L	06/21/07 LZ
8260B	Styrene	ND	1	5	0.22	ug/L	06/21/07 LZ
8260B	Tert-amylmethylether (TAME)	ND	1	1	0.19	ug/L	06/21/07 LZ
8260B	tert-Butylbenzene	ND	1	5	0.40	ug/L	06/21/07 LZ
8260B	Tertiary butyl alcohol (TBA)	ND	1	10	10	ug/L	06/21/07 LZ
8260B	Tetrachloroethene	ND	1	5	0.80	ug/L	06/21/07 LZ
8260B	Toluene	ND	1	5	0.24	ug/L	06/21/07 LZ
8260B	trans-1,2-Dichloroethene	ND	1	5	0.33	ug/L	06/21/07 LZ
8260B	trans-1,3-Dichloropropene	ND	1	5	0.23	ug/L	06/21/07 LZ
8260B	trans-1,4-Dichloro-2-butene	ND	1	20	0.17	ug/L	06/21/07 LZ
8260B	Trichloroethene	ND	1	5	0.39	ug/L	06/21/07 LZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 808834 **Client Sample ID:** Laboratory Method Blank (Water)

Matrix: WATER

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Trichlorofluoromethane	ND	1	5	0.25	ug/L	06/21/07 LZ
8260B	Vinyl chloride	ND	1	5	0.18	ug/L	06/21/07 LZ
8260B	Xylenes, total	ND	1	5	0.45	ug/L	06/21/07 LZ

Surrogates			Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	100	%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	109	%	70 - 135
8260B	Surr3 - Toluene-d8	102	%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	96	%	70 - 135

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

192463

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

Page 1 of 1

Project Number: 9050361.01.02

P.O. ______

Chain of Custody Number [1]: 062020071

LIMS Number: ______

Facility/Base I.D.: HOLMN

Project Name / Site Name: SS61

Client Name: USACE

Collected by: T Lucero

Sample Analysis Requested [5] / Quality Assurance Samples [6]

Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military)	Sample Depth (beginning -	SA Code (2)	Sample Numb	Sample Matri	Number of containers	VOC 8260+ hexane	SVOC 8270	TPH 8015 GRO	TPH 8015 ORO-DRO					Matrix Description	Trip Blank Lot Control Number	Cooler ID
SS61EP-25	SS61EP-25	20-Jun-07	1100	25 - 25	N	1	SO	7	[1]	[1]	[1]	[1]					Soil		1
SS61NE-20	SS61NE-20	20-Jun-07	1138	20 - 20	N	1	SO	7	[1]	[1]	[1]	[1]					Soil		1
SS61WP-20	SS61WP-20	20-Jun-07	1158	20 - 20	N	1	SO	7	[1]	[1]	[1]	[1]					Soil		1
SS61SE-20	SS61SE-20	20-Jun-07	1223	20 - 20	N	1	SO	7	[1]	[1]	[1]	[1]					Soil		1
Trip Blank	Field QC	20-Jun-07	1100	-	TB		AQ	1	[1]										1
				-															
				-															
				-															
				-															
				-															

COMMENTS:

Email PDF to rrenvironmental@zianet.com,tlrrenvironmental@msn.com,molive@bhate.com

Associated Labs 806 N. Batavia Orange CA 92868

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1.	Tony Lucero	6-20-07	1600	N. Afeudikova	6/21/07	10:25
2.						
3.						

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: ______ Shipped No.: ______

Method of Shipment: FEDEX Airbill Number: ______

Analytical Lab: Associated Delivery Location: Orange ,CA

Lab Recipient: ______ Delivery Date/Time: ______

1.) Chain of Custody Number = date collected ... custody number (e.g. 09 07 1999.01)
2.) Sample Type (SA) Codes: N ... Trip Blank ... Field Duplicate (-a) Samples, FR = Field Replicate (-b) Sample ... Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank ...
3.) Sample Number: Unique sample ... (e.g. Groundwater sample collected from MW-1 on 10 10 99 ...)
4.) Matrix Codes: GS = Soil Gas ... Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ ... SQ = Soil Blanks
5.) Sample Analysis Requested ... containers provided for each.
6.) Quality assurance samples are ... associated with the sample ... Equipment blank ... designated 10109901 in the ... Blank Lot Control

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 FAX 714/538-1209

CLIENT BHATE Associates (12215)
ATTN: Marcia Olive
445 Union Blvd.
Suite 129
Lakewood, CO 80226

LAB REQUEST 192841
REPORTED 06/28/2007
RECEIVED 06/28/2007

PROJECT #9050361.01.02 - SS61

SUBMITTER Client

COMMENTS * Not diesel chromatogram; High gas tailing.
TBRL = To Be Reported Later.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
810668	SS61NE-2-26
810669	SS61SE2-26
810670	Trip Blank
810671	Laboratory Method Blank
810675	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

The reports of the Associated Laboratories are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 810668 **Client Sample ID:** SS61NE-2-26

Matrix: SOLID

Date Sampled: 06/26/2007
Time Sampled: 14:30

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
TPH-DHS	Gasoline	8210	1000	3000.0	0.022	mg/Kg	06/28/07 YL
Surrogates						**Units**	**Control Limits**
TPH-DHS	a,a,a-Trifluorotoluene	99				%	55 - 200
8260B	1,1,1,2-Tetrachloroethane	ND	1000	5000.0	0.24	ug/Kg	06/28/07 LZ
8260B	1,1,1-Trichloroethane	ND	1000	5000.0	0.15	ug/Kg	06/28/07 LZ
8260B	1,1,2,2-Tetrachloroethane	ND	1000	5000.0	0.29	ug/Kg	06/28/07 LZ
8260B	1,1,2-Trichloroethane	ND	1000	5000.0	0.22	ug/Kg	06/28/07 LZ
8260B	1,1,2-Trichlorotrifluoroethane	ND	1000	5000.0	0.74	ug/Kg	06/28/07 LZ
8260B	1,1-Dichloroethane	ND	1000	5000.0	0.23	ug/Kg	06/28/07 LZ
8260B	1,1-Dichloroethene	ND	1000	5000.0	0.18	ug/Kg	06/28/07 LZ
8260B	1,1-Dichloropropene	ND	1000	5000.0	0.21	ug/Kg	06/28/07 LZ
8260B	1,2,3-Trichlorobenzene	ND	1000	5000.0	0.18	ug/Kg	06/28/07 LZ
8260B	1,2,3-Trichloropropane	ND	1000	5000.0	0.20	ug/Kg	06/28/07 LZ
8260B	1,2,4-Trichlorobenzene	ND	1000	5000.0	0.33	ug/Kg	06/28/07 LZ
8260B	1,2,4-Trimethylbenzene	139000	1000	5000.0	0.28	ug/Kg	06/28/07 LZ
8260B	1,2-Dibromo-3-chloropropane	ND	1000	5000.0	0.20	ug/Kg	06/28/07 LZ
8260B	1,2-Dibromoethane	ND	1000	5000.0	0.12	ug/Kg	06/28/07 LZ
8260B	1,2-Dichlorobenzene	ND	1000	5000.0	0.18	ug/Kg	06/28/07 LZ
8260B	1,2-Dichloroethane	ND	1000	5000.0	0.14	ug/Kg	06/28/07 LZ
8260B	1,2-Dichloropropane	ND	1000	5000.0	0.34	ug/Kg	06/28/07 LZ
8260B	1,3,5-Trimethylbenzene	1040 J	1000	5000.0	0.23	ug/Kg	06/28/07 LZ
8260B	1,3-Dichlorobenzene	ND	1000	5000.0	0.21	ug/Kg	06/28/07 LZ
8260B	1,3-Dichloropropane	ND	1000	5000.0	0.19	ug/Kg	06/28/07 LZ
8260B	1,4-Dichlorobenzene	ND	1000	5000.0	0.24	ug/Kg	06/28/07 LZ
8260B	2,2-Dichloropropane	ND	1000	5000.0	0.19	ug/Kg	06/28/07 LZ
8260B	2-Butanone (MEK)	ND	1000	100000.0	0.72	ug/Kg	06/28/07 LZ
8260B	2-Chloroethyl vinyl ether	ND	1000	5000.0	0.30	ug/Kg	06/28/07 LZ
8260B	2-Chlorotoluene	ND	1000	5000.0	0.25	ug/Kg	06/28/07 LZ
8260B	4-Chlorotoluene	ND	1000	5000.0	0.22	ug/Kg	06/28/07 LZ
8260B	4-Methyl -2- Pentanone	ND	1000	5000.0	0.17	ug/Kg	06/28/07 LZ
8260B	Acetone	ND	1000	50000.0	10	ug/Kg	06/28/07 LZ
8260B	Allyl chloride	ND	1000	5000.0	0.14	ug/Kg	06/28/07 LZ
8260B	Benzene	ND	1000	5000.0	0.18	ug/Kg	06/28/07 LZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 810668 **Client Sample ID:** SS61NE-2-26

Matrix: SOLID

Date Sampled: 06/26/2007
Time Sampled: 14:30

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Bromobenzene	ND	1000	5000.0	0.30	ug/Kg	06/28/07 LZ
8260B	Bromochloromethane	ND	1000	5000.0	0.18	ug/Kg	06/28/07 LZ
8260B	Bromodichloromethane	ND	1000	5000.0	0.20	ug/Kg	06/28/07 LZ
8260B	Bromoform	ND	1000	5000.0	0.19	ug/Kg	06/28/07 LZ
8260B	Bromomethane	ND	1000	5000.0	0.22	ug/Kg	06/28/07 LZ
8260B	Carbon tetrachloride	ND	1000	5000.0	0.18	ug/Kg	06/28/07 LZ
8260B	Chlorobenzene	ND	1000	5000.0	0.18	ug/Kg	06/28/07 LZ
8260B	Chloroethane	ND	1000	5000.0	0.20	ug/Kg	06/28/07 LZ
8260B	Chloroform	ND	1000	5000.0	0.17	ug/Kg	06/28/07 LZ
8260B	Chloromethane	ND	1000	5000.0	0.21	ug/Kg	06/28/07 LZ
8260B	cis-1,2-Dichloroethene	ND	1000	5000.0	0.20	ug/Kg	06/28/07 LZ
8260B	cis-1,3-Dichloropropene	ND	1000	5000.0	0.20	ug/Kg	06/28/07 LZ
8260B	cis-1,4-Dichloro-2-butene	ND	1000	5000.0	0.20	ug/Kg	06/28/07 LZ
8260B	Di-isopropyl ether (DIPE)	ND	1000	10000.0	0.17	ug/Kg	06/28/07 LZ
8260B	Dibromochloromethane	ND	1000	5000.0	0.19	ug/Kg	06/28/07 LZ
8260B	Dibromomethane	ND	1000	5000.0	0.21	ug/Kg	06/28/07 LZ
8260B	Dichlorodifluoromethane	ND	1000	5000.0	0.23	ug/Kg	06/28/07 LZ
8260B	Ethyl benzene	86600	1000	5000.0	0.23	ug/Kg	06/28/07 LZ
8260B	Ethyl-tertbutylether (ETBE)	ND	1000	10000.0	0.25	ug/Kg	06/28/07 LZ
8260B	Hexachlorobutadiene	ND	1000	5000.0	0.42	ug/Kg	06/28/07 LZ
8260B	Hexane	ND	1000	100000.0	100	ug/Kg	06/28/07 LZ
8260B	Isopropylbenzene (Cumene)	280000	2000	10000.0	0.25	ug/Kg	06/28/07 LZ
8260B	Methyl-tert-butylether (MTBE)	ND	1000	5000.0	0.17	ug/Kg	06/28/07 LZ
8260B	Methylene chloride	ND	1000	5000.0	0.21	ug/Kg	06/28/07 LZ
8260B	n-Butylbenzene	1140 J	1000	5000.0	0.25	ug/Kg	06/28/07 LZ
8260B	n-Propylbenzene	22100	1000	5000.0	0.22	ug/Kg	06/28/07 LZ
8260B	Naphthalene	ND	1000	5000.0	0.16	ug/Kg	06/28/07 LZ
8260B	p-Isopropyltoluene	ND	1000	5000.0	0.27	ug/Kg	06/28/07 LZ
8260B	sec-Butylbenzene	8050	1000	5000.0	0.28	ug/Kg	06/28/07 LZ
8260B	Styrene	ND	1000	5000.0	0.13	ug/Kg	06/28/07 LZ
8260B	Tert-amylmethylether (TAME)	ND	1000	10000.0	0.13	ug/Kg	06/28/07 LZ
8260B	tert-Butylbenzene	3810 J	1000	5000.0	0.34	ug/Kg	06/28/07 LZ
8260B	Tertiary butyl alcohol (TBA)	ND	1000	50000.0	10	ug/Kg	06/28/07 LZ
8260B	Tetrachloroethene	ND	1000	5000.0	0.23	ug/Kg	06/28/07 LZ
8260B	Toluene	11600	1000	5000.0	0.17	ug/Kg	06/28/07 LZ
8260B	trans-1,2-Dichloroethene	ND	1000	5000.0	0.19	ug/Kg	06/28/07 LZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 810668 **Client Sample ID:** SS61NE-2-26

Matrix: SOLID

Date Sampled: 06/26/2007
Time Sampled: 14:30

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	trans-1,3-Dichloropropene	ND	1000	5000.0	0.18	ug/Kg	06/28/07 LZ
8260B	trans-1,4-Dichloro-2-butene	ND	1000	5000.0	0.20	ug/Kg	06/28/07 LZ
8260B	Trichloroethene	ND	1000	5000.0	0.23	ug/Kg	06/28/07 LZ
8260B	Trichlorofluoromethane	ND	1000	5000.0	0.23	ug/Kg	06/28/07 LZ
8260B	Vinyl chloride	ND	1000	5000.0	0.14	ug/Kg	06/28/07 LZ
8260B	Xylenes, total	245000	1000	5000.0	0.38	ug/Kg	06/28/07 LZ

Surrogates			Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	87	%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	93	%	70 - 135
8260B	Surr3 - Toluene-d8	106	%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	95	%	70 - 135

8015	Motor Oil	ND	10	50.0	1.6	mg/Kg	06/28/07 AF
8015	TEPH Diesel	24*	10	10.0	0.37	mg/Kg	06/28/07 AF

Surrogates			Units	Control Limits
8015	o-Terphenyl (sur)	135	%	55 - 200

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 810669 **Client Sample ID:** SS61SE2-26

Matrix: SOLID

Date Sampled: 06/26/2007
Time Sampled: 15:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
TPH-DHS	Gasoline	2510	200	600.0	0.022	mg/Kg	06/28/07 YL
Surrogates						**Units**	**Control Limits**
TPH-DHS	a,a,a-Trifluorotoluene	173				%	55 - 200
8260B	1,1,1,2-Tetrachloroethane	ND	500	2500.0	0.24	ug/Kg	06/28/07 LZ
8260B	1,1,1-Trichloroethane	ND	500	2500.0	0.15	ug/Kg	06/28/07 LZ
8260B	1,1,2,2-Tetrachloroethane	ND	500	2500.0	0.29	ug/Kg	06/28/07 LZ
8260B	1,1,2-Trichloroethane	ND	500	2500.0	0.22	ug/Kg	06/28/07 LZ
8260B	1,1,2-Trichlorotrifluoroethane	ND	500	2500.0	0.74	ug/Kg	06/28/07 LZ
8260B	1,1-Dichloroethane	ND	500	2500.0	0.23	ug/Kg	06/28/07 LZ
8260B	1,1-Dichloroethene	ND	500	2500.0	0.18	ug/Kg	06/28/07 LZ
8260B	1,1-Dichloropropene	ND	500	2500.0	0.21	ug/Kg	06/28/07 LZ
8260B	1,2,3-Trichlorobenzene	ND	500	2500.0	0.18	ug/Kg	06/28/07 LZ
8260B	1,2,3-Trichloropropane	ND	500	2500.0	0.20	ug/Kg	06/28/07 LZ
8260B	1,2,4-Trichlorobenzene	ND	500	2500.0	0.33	ug/Kg	06/28/07 LZ
8260B	1,2,4-Trimethylbenzene	5900	500	2500.0	0.28	ug/Kg	06/28/07 LZ
8260B	1,2-Dibromo-3-chloropropane	ND	500	2500.0	0.20	ug/Kg	06/28/07 LZ
8260B	1,2-Dibromoethane	ND	500	2500.0	0.12	ug/Kg	06/28/07 LZ
8260B	1,2-Dichlorobenzene	ND	500	2500.0	0.18	ug/Kg	06/28/07 LZ
8260B	1,2-Dichloroethane	ND	500	2500.0	0.14	ug/Kg	06/28/07 LZ
8260B	1,2-Dichloropropane	ND	500	2500.0	0.34	ug/Kg	06/28/07 LZ
8260B	1,3,5-Trimethylbenzene	643 J	500	2500.0	0.23	ug/Kg	06/28/07 LZ
8260B	1,3-Dichlorobenzene	ND	500	2500.0	0.21	ug/Kg	06/28/07 LZ
8260B	1,3-Dichloropropane	ND	500	2500.0	0.19	ug/Kg	06/28/07 LZ
8260B	1,4-Dichlorobenzene	ND	500	2500.0	0.24	ug/Kg	06/28/07 LZ
8260B	2,2-Dichloropropane	ND	500	2500.0	0.19	ug/Kg	06/28/07 LZ
8260B	2-Butanone (MEK)	ND	500	50000.0	0.72	ug/Kg	06/28/07 LZ
8260B	2-Chloroethyl vinyl ether	ND	500	2500.0	0.30	ug/Kg	06/28/07 LZ
8260B	2-Chlorotoluene	ND	500	2500.0	0.25	ug/Kg	06/28/07 LZ
8260B	4-Chlorotoluene	ND	500	2500.0	0.22	ug/Kg	06/28/07 LZ
8260B	4-Methyl -2- Pentanone	ND	500	2500.0	0.17	ug/Kg	06/28/07 LZ
8260B	Acetone	ND	500	25000.0	10	ug/Kg	06/28/07 LZ
8260B	Allyl chloride	ND	500	2500.0	0.14	ug/Kg	06/28/07 LZ
8260B	Benzene	ND	500	2500.0	0.18	ug/Kg	06/28/07 LZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 810669 **Client Sample ID:** SS61SE2-26

Matrix: SOLID

Date Sampled: 06/26/2007
Time Sampled: 15:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Bromobenzene	ND	500	2500.0	0.30	ug/Kg	06/28/07 LZ
8260B	Bromochloromethane	ND	500	2500.0	0.18	ug/Kg	06/28/07 LZ
8260B	Bromodichloromethane	ND	500	2500.0	0.20	ug/Kg	06/28/07 LZ
8260B	Bromoform	ND	500	2500.0	0.19	ug/Kg	06/28/07 LZ
8260B	Bromomethane	ND	500	2500.0	0.22	ug/Kg	06/28/07 LZ
8260B	Carbon tetrachloride	ND	500	2500.0	0.18	ug/Kg	06/28/07 LZ
8260B	Chlorobenzene	ND	500	2500.0	0.18	ug/Kg	06/28/07 LZ
8260B	Chloroethane	ND	500	2500.0	0.20	ug/Kg	06/28/07 LZ
8260B	Chloroform	ND	500	2500.0	0.17	ug/Kg	06/28/07 LZ
8260B	Chloromethane	ND	500	2500.0	0.21	ug/Kg	06/28/07 LZ
8260B	cis-1,2-Dichloroethene	ND	500	2500.0	0.20	ug/Kg	06/28/07 LZ
8260B	cis-1,3-Dichloropropene	ND	500	2500.0	0.20	ug/Kg	06/28/07 LZ
8260B	cis-1,4-Dichloro-2-butene	ND	500	2500.0	0.20	ug/Kg	06/28/07 LZ
8260B	Di-isopropyl ether (DIPE)	ND	500	5000.0	0.17	ug/Kg	06/28/07 LZ
8260B	Dibromochloromethane	ND	500	2500.0	0.19	ug/Kg	06/28/07 LZ
8260B	Dibromomethane	ND	500	2500.0	0.21	ug/Kg	06/28/07 LZ
8260B	Dichlorodifluoromethane	ND	500	2500.0	0.23	ug/Kg	06/28/07 LZ
8260B	Ethyl benzene	22000	500	2500.0	0.23	ug/Kg	06/28/07 LZ
8260B	Ethyl-tertbutylether (ETBE)	ND	500	5000.0	0.25	ug/Kg	06/28/07 LZ
8260B	Hexachlorobutadiene	ND	500	2500.0	0.42	ug/Kg	06/28/07 LZ
8260B	Hexane	ND	500	50000.0	100	ug/Kg	06/28/07 LZ
8260B	Isopropylbenzene (Cumene)	94000	500	2500.0	0.25	ug/Kg	06/28/07 LZ
8260B	Methyl-tert-butylether (MTBE)	ND	500	2500.0	0.17	ug/Kg	06/28/07 LZ
8260B	Methylene chloride	ND	500	2500.0	0.21	ug/Kg	06/28/07 LZ
8260B	n-Butylbenzene	ND	500	2500.0	0.25	ug/Kg	06/28/07 LZ
8260B	n-Propylbenzene	5720	500	2500.0	0.22	ug/Kg	06/28/07 LZ
8260B	Naphthalene	ND	500	2500.0	0.16	ug/Kg	06/28/07 LZ
8260B	p-Isopropyltoluene	ND	500	2500.0	0.27	ug/Kg	06/28/07 LZ
8260B	sec-Butylbenzene	1750 J	500	2500.0	0.28	ug/Kg	06/28/07 LZ
8260B	Styrene	ND	500	2500.0	0.13	ug/Kg	06/28/07 LZ
8260B	Tert-amylmethylether (TAME)	ND	500	5000.0	0.13	ug/Kg	06/28/07 LZ
8260B	tert-Butylbenzene	767 J	500	2500.0	0.34	ug/Kg	06/28/07 LZ
8260B	Tertiary butyl alcohol (TBA)	ND	500	25000.0	10	ug/Kg	06/28/07 LZ
8260B	Tetrachloroethene	ND	500	2500.0	0.23	ug/Kg	06/28/07 LZ
8260B	Toluene	1400 J	500	2500.0	0.17	ug/Kg	06/28/07 LZ
8260B	trans-1,2-Dichloroethene	ND	500	2500.0	0.19	ug/Kg	06/28/07 LZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 810669 **Client Sample ID:** SS61SE2-26

Matrix: SOLID

Date Sampled: 06/26/2007
Time Sampled: 15:00

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	trans-1,3-Dichloropropene	ND	500	2500.0	0.18	ug/Kg	06/28/07 LZ
8260B	trans-1,4-Dichloro-2-butene	ND	500	2500.0	0.20	ug/Kg	06/28/07 LZ
8260B	Trichloroethene	ND	500	2500.0	0.23	ug/Kg	06/28/07 LZ
8260B	Trichlorofluoromethane	ND	500	2500.0	0.23	ug/Kg	06/28/07 LZ
8260B	Vinyl chloride	ND	500	2500.0	0.14	ug/Kg	06/28/07 LZ
8260B	Xylenes, total	15600	500	2500.0	0.38	ug/Kg	06/28/07 LZ
Surrogates						**Units**	**Control Limits**
8260B	Surr1 - Dibromofluoromethane	83				%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	103				%	70 - 135
8260B	Surr3 - Toluene-d8	109				%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	94				%	70 - 135
8015	Motor Oil	ND	1	5	1.6	mg/Kg	06/28/07 AF
8015	TEPH Diesel	4.7*	1	1.0	0.37	mg/Kg	06/28/07 AF
Surrogates						**Units**	**Control Limits**
8015	o-Terphenyl (sur)	145				%	55 - 200

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 810670 **Client Sample ID:** Trip Blank

Matrix: WATER

Date Sampled: 06/26/2007
Time Sampled: 14:30

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	1,1,1,2-Tetrachloroethane	ND	1	5	0.25	ug/L	06/28/07 LZ
8260B	1,1,1-Trichloroethane	ND	1	5	0.38	ug/L	06/28/07 LZ
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.25	ug/L	06/28/07 LZ
8260B	1,1,2-Trichloroethane	ND	1	5	0.25	ug/L	06/28/07 LZ
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.29	ug/L	06/28/07 LZ
8260B	1,1-Dichloroethane	ND	1	5	0.32	ug/L	06/28/07 LZ
8260B	1,1-Dichloroethene	ND	1	5	0.30	ug/L	06/28/07 LZ
8260B	1,1-Dichloropropene	ND	1	5	0.25	ug/L	06/28/07 LZ
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.28	ug/L	06/28/07 LZ
8260B	1,2,3-Trichloropropane	ND	1	5	0.16	ug/L	06/28/07 LZ
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.27	ug/L	06/28/07 LZ
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.28	ug/L	06/28/07 LZ
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	0.12	ug/L	06/28/07 LZ
8260B	1,2-Dibromoethane	ND	1	5	0.19	ug/L	06/28/07 LZ
8260B	1,2-Dichlorobenzene	ND	1	5	0.26	ug/L	06/28/07 LZ
8260B	1,2-Dichloroethane	ND	1	5	0.20	ug/L	06/28/07 LZ
8260B	1,2-Dichloropropane	ND	1	5	0.36	ug/L	06/28/07 LZ
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.24	ug/L	06/28/07 LZ
8260B	1,3-Dichlorobenzene	ND	1	5	0.34	ug/L	06/28/07 LZ
8260B	1,3-Dichloropropane	ND	1	5	0.19	ug/L	06/28/07 LZ
8260B	1,4-Dichlorobenzene	ND	1	5	0.43	ug/L	06/28/07 LZ
8260B	2,2-Dichloropropane	ND	1	5	0.32	ug/L	06/28/07 LZ
8260B	2-Butanone (MEK)	ND	1	100	0.78	ug/L	06/28/07 LZ
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.23	ug/L	06/28/07 LZ
8260B	2-Chlorotoluene	ND	1	5	0.33	ug/L	06/28/07 LZ
8260B	4-Chlorotoluene	ND	1	5	0.31	ug/L	06/28/07 LZ
8260B	4-Methyl -2- Pentanone	ND	1	10	0.12	ug/L	06/28/07 LZ
8260B	Acetone	ND	1	100	10	ug/L	06/28/07 LZ
8260B	Allyl chloride	ND	1	5	0.19	ug/L	06/28/07 LZ
8260B	Benzene	ND	1	1	0.18	ug/L	06/28/07 LZ
8260B	Bromobenzene	ND	1	5	0.53	ug/L	06/28/07 LZ
8260B	Bromochloromethane	ND	1	5	0.17	ug/L	06/28/07 LZ
8260B	Bromodichloromethane	ND	1	5	0.31	ug/L	06/28/07 LZ
8260B	Bromoform	ND	1	5	0.13	ug/L	06/28/07 LZ
8260B	Bromomethane	ND	1	5	0.68	ug/L	06/28/07 LZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 810670 **Client Sample ID:** Trip Blank

Matrix: WATER

Date Sampled: 06/26/2007
Time Sampled: 14:30

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Carbon tetrachloride	ND	1	5	0.27	ug/L	06/28/07 LZ
8260B	Chlorobenzene	ND	1	5	0.19	ug/L	06/28/07 LZ
8260B	Chloroethane	ND	1	5	0.45	ug/L	06/28/07 LZ
8260B	Chloroform	ND	1	5	0.18	ug/L	06/28/07 LZ
8260B	Chloromethane	ND	1	5	0.27	ug/L	06/28/07 LZ
8260B	cis-1,2-Dichloroethene	ND	1	5	0.27	ug/L	06/28/07 LZ
8260B	cis-1,3-Dichloropropene	ND	1	5	0.25	ug/L	06/28/07 LZ
8260B	cis-1,4-Dichloro-2-butene	ND	1	20	0.17	ug/L	06/28/07 LZ
8260B	Di-isopropyl ether (DIPE)	ND	1	1	0.20	ug/L	06/28/07 LZ
8260B	Dibromochloromethane	ND	1	5	0.21	ug/L	06/28/07 LZ
8260B	Dibromomethane	ND	1	5	0.23	ug/L	06/28/07 LZ
8260B	Dichlorodifluoromethane	ND	1	5	0.33	ug/L	06/28/07 LZ
8260B	Ethyl benzene	ND	1	5	0.21	ug/L	06/28/07 LZ
8260B	Ethyl-tertbutylether (ETBE)	ND	1	1	0.23	ug/L	06/28/07 LZ
8260B	Hexachlorobutadiene	ND	1	5	0.51	ug/L	06/28/07 LZ
8260B	Hexane	ND	1	50	50	ug/L	06/28/07 LZ
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.24	ug/L	06/28/07 LZ
8260B	Methyl-tert-butylether (MTBE)	ND	1	1	0.19	ug/L	06/28/07 LZ
8260B	Methylene chloride	ND	1	5	0.16	ug/L	06/28/07 LZ
8260B	n-Butylbenzene	ND	1	5	0.38	ug/L	06/28/07 LZ
8260B	n-Propylbenzene	ND	1	5	0.31	ug/L	06/28/07 LZ
8260B	Naphthalene	ND	1	5	0.25	ug/L	06/28/07 LZ
8260B	p-Isopropyltoluene	ND	1	5	0.32	ug/L	06/28/07 LZ
8260B	sec-Butylbenzene	ND	1	5	0.32	ug/L	06/28/07 LZ
8260B	Styrene	ND	1	5	0.22	ug/L	06/28/07 LZ
8260B	Tert-amylmethylether (TAME)	ND	1	1	0.19	ug/L	06/28/07 LZ
8260B	tert-Butylbenzene	ND	1	5	0.40	ug/L	06/28/07 LZ
8260B	Tertiary butyl alcohol (TBA)	ND	1	10	10	ug/L	06/28/07 LZ
8260B	Tetrachloroethene	ND	1	5	0.80	ug/L	06/28/07 LZ
8260B	Toluene	ND	1	5	0.24	ug/L	06/28/07 LZ
8260B	trans-1,2-Dichloroethene	ND	1	5	0.33	ug/L	06/28/07 LZ
8260B	trans-1,3-Dichloropropene	ND	1	5	0.23	ug/L	06/28/07 LZ
8260B	trans-1,4-Dichloro-2-butene	ND	1	20	0.17	ug/L	06/28/07 LZ
8260B	Trichloroethene	ND	1	5	0.39	ug/L	06/28/07 LZ
8260B	Trichlorofluoromethane	ND	1	5	0.25	ug/L	06/28/07 LZ
8260B	Vinyl chloride	ND	1	5	0.18	ug/L	06/28/07 LZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 810670 **Client Sample ID:** Trip Blank

Matrix: WATER

Date Sampled: 06/26/2007
Time Sampled: 14:30

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Xylenes, total	ND	1	5	0.45	ug/L	06/28/07 LZ

Surrogates			Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	69 S	%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	122	%	70 - 135
8260B	Surr3 - Toluene-d8	109	%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	92	%	70 - 135

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 810671 **Client Sample ID:** Laboratory Method Blank

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
TPH-DHS	Gasoline	ND	1	3	0.022	mg/Kg	06/28/07 YL
Surrogates						**Units**	**Control Limits**
TPH-DHS	a,a,a-Trifluorotoluene	59				%	55 - 200
8260B	1,1,1,2-Tetrachloroethane	ND	1	5	0.24	ug/Kg	06/28/07 LZ
8260B	1,1,1-Trichloroethane	ND	1	5	0.15	ug/Kg	06/28/07 LZ
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.29	ug/Kg	06/28/07 LZ
8260B	1,1,2-Trichloroethane	ND	1	5	0.22	ug/Kg	06/28/07 LZ
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.74	ug/Kg	06/28/07 LZ
8260B	1,1-Dichloroethane	ND	1	5	0.23	ug/Kg	06/28/07 LZ
8260B	1,1-Dichloroethene	ND	1	5	0.18	ug/Kg	06/28/07 LZ
8260B	1,1-Dichloropropene	ND	1	5	0.21	ug/Kg	06/28/07 LZ
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.18	ug/Kg	06/28/07 LZ
8260B	1,2,3-Trichloropropane	ND	1	5	0.20	ug/Kg	06/28/07 LZ
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.33	ug/Kg	06/28/07 LZ
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.28	ug/Kg	06/28/07 LZ
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	0.20	ug/Kg	06/28/07 LZ
8260B	1,2-Dibromoethane	ND	1	5	0.12	ug/Kg	06/28/07 LZ
8260B	1,2-Dichlorobenzene	ND	1	5	0.18	ug/Kg	06/28/07 LZ
8260B	1,2-Dichloroethane	ND	1	5	0.14	ug/Kg	06/28/07 LZ
8260B	1,2-Dichloropropane	ND	1	5	0.34	ug/Kg	06/28/07 LZ
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.23	ug/Kg	06/28/07 LZ
8260B	1,3-Dichlorobenzene	ND	1	5	0.21	ug/Kg	06/28/07 LZ
8260B	1,3-Dichloropropane	ND	1	5	0.19	ug/Kg	06/28/07 LZ
8260B	1,4-Dichlorobenzene	ND	1	5	0.24	ug/Kg	06/28/07 LZ
8260B	2,2-Dichloropropane	ND	1	5	0.19	ug/Kg	06/28/07 LZ
8260B	2-Butanone (MEK)	ND	1	100	0.72	ug/Kg	06/28/07 LZ
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.30	ug/Kg	06/28/07 LZ
8260B	2-Chlorotoluene	ND	1	5	0.25	ug/Kg	06/28/07 LZ
8260B	4-Chlorotoluene	ND	1	5	0.22	ug/Kg	06/28/07 LZ
8260B	4-Methyl -2- Pentanone	ND	1	5	0.17	ug/Kg	06/28/07 LZ
8260B	Acetone	ND	1	50	10	ug/Kg	06/28/07 LZ
8260B	Allyl chloride	ND	1	5	0.14	ug/Kg	06/28/07 LZ
8260B	Benzene	ND	1	5	0.18	ug/Kg	06/28/07 LZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 810671 **Client Sample ID**: Laboratory Method Blank

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Bromobenzene	ND	1	5	0.30	ug/Kg	06/28/07 LZ
8260B	Bromochloromethane	ND	1	5	0.18	ug/Kg	06/28/07 LZ
8260B	Bromodichloromethane	ND	1	5	0.20	ug/Kg	06/28/07 LZ
8260B	Bromoform	ND	1	5	0.19	ug/Kg	06/28/07 LZ
8260B	Bromomethane	ND	1	5	0.22	ug/Kg	06/28/07 LZ
8260B	Carbon tetrachloride	ND	1	5	0.18	ug/Kg	06/28/07 LZ
8260B	Chlorobenzene	ND	1	5	0.18	ug/Kg	06/28/07 LZ
8260B	Chloroethane	ND	1	5	0.20	ug/Kg	06/28/07 LZ
8260B	Chloroform	ND	1	5	0.17	ug/Kg	06/28/07 LZ
8260B	Chloromethane	ND	1	5	0.21	ug/Kg	06/28/07 LZ
8260B	cis-1,2-Dichloroethene	ND	1	5	0.20	ug/Kg	06/28/07 LZ
8260B	cis-1,3-Dichloropropene	ND	1	5	0.20	ug/Kg	06/28/07 LZ
8260B	cis-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	06/28/07 LZ
8260B	Di-isopropyl ether (DIPE)	ND	1	10	0.17	ug/Kg	06/28/07 LZ
8260B	Dibromochloromethane	ND	1	5	0.19	ug/Kg	06/28/07 LZ
8260B	Dibromomethane	ND	1	5	0.21	ug/Kg	06/28/07 LZ
8260B	Dichlorodifluoromethane	ND	1	5	0.23	ug/Kg	06/28/07 LZ
8260B	Ethyl benzene	ND	1	5	0.23	ug/Kg	06/28/07 LZ
8260B	Ethyl-tertbutylether (ETBE)	ND	1	10	0.25	ug/Kg	06/28/07 LZ
8260B	Hexachlorobutadiene	ND	1	5	0.42	ug/Kg	06/28/07 LZ
8260B	Hexane	ND	1	100	100	ug/Kg	06/28/07 LZ
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.25	ug/Kg	06/28/07 LZ
8260B	Methyl-tert-butylether (MTBE)	ND	1	5	0.17	ug/Kg	06/28/07 LZ
8260B	Methylene chloride	ND	1	5	0.21	ug/Kg	06/28/07 LZ
8260B	n-Butylbenzene	ND	1	5	0.25	ug/Kg	06/28/07 LZ
8260B	n-Propylbenzene	ND	1	5	0.22	ug/Kg	06/28/07 LZ
8260B	Naphthalene	ND	1	5	0.16	ug/Kg	06/28/07 LZ
8260B	p-Isopropyltoluene	ND	1	5	0.27	ug/Kg	06/28/07 LZ
8260B	sec-Butylbenzene	ND	1	5	0.28	ug/Kg	06/28/07 LZ
8260B	Styrene	ND	1	5	0.13	ug/Kg	06/28/07 LZ
8260B	Tert-amylmethylether (TAME)	ND	1	10	0.13	ug/Kg	06/28/07 LZ
8260B	tert-Butylbenzene	ND	1	5	0.34	ug/Kg	06/28/07 LZ
8260B	Tertiary butyl alcohol (TBA)	ND	1	50	10	ug/Kg	06/28/07 LZ
8260B	Tetrachloroethene	ND	1	5	0.23	ug/Kg	06/28/07 LZ
8260B	Toluene	ND	1	5	0.17	ug/Kg	06/28/07 LZ
8260B	trans-1,2-Dichloroethene	ND	1	5	0.19	ug/Kg	06/28/07 LZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 810671 **Client Sample ID**: Laboratory Method Blank

Matrix: SOLID

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	trans-1,3-Dichloropropene	ND	1	5	0.18	ug/Kg	06/28/07 LZ
8260B	trans-1,4-Dichloro-2-butene	ND	1	5	0.20	ug/Kg	06/28/07 LZ
8260B	Trichloroethene	ND	1	5	0.23	ug/Kg	06/28/07 LZ
8260B	Trichlorofluoromethane	ND	1	5	0.23	ug/Kg	06/28/07 LZ
8260B	Vinyl chloride	ND	1	5	0.14	ug/Kg	06/28/07 LZ
8260B	Xylenes, total	ND	1	5	0.38	ug/Kg	06/28/07 LZ

Surrogates				Units	Control Limits
8260B	Surr1 - Dibromofluoromethane	69 S		%	70 - 135
8260B	Surr2 - 1,2-Dichloroethane-d4	120		%	70 - 135
8260B	Surr3 - Toluene-d8	109		%	70 - 135
8260B	Surr4 - p-Bromofluorobenzene	91		%	70 - 135

8015	Motor Oil	TBRL	1	5	1.6	mg/Kg	
8015	TEPH Diesel	TBRL	1	1.0	0.37	mg/Kg	

Surrogates				Units	Control Limits
8015	o-Terphenyl (sur)	TBRL		%	55 - 200

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 810675 **Client Sample ID:** Laboratory Method Blank

Matrix: WATER

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	1,1,1,2-Tetrachloroethane	ND	1	5	0.25	ug/L	06/28/07 LZ
8260B	1,1,1-Trichloroethane	ND	1	5	0.38	ug/L	06/28/07 LZ
8260B	1,1,2,2-Tetrachloroethane	ND	1	5	0.25	ug/L	06/28/07 LZ
8260B	1,1,2-Trichloroethane	ND	1	5	0.25	ug/L	06/28/07 LZ
8260B	1,1,2-Trichlorotrifluoroethane	ND	1	5	0.29	ug/L	06/28/07 LZ
8260B	1,1-Dichloroethane	ND	1	5	0.32	ug/L	06/28/07 LZ
8260B	1,1-Dichloroethene	ND	1	5	0.30	ug/L	06/28/07 LZ
8260B	1,1-Dichloropropene	ND	1	5	0.25	ug/L	06/28/07 LZ
8260B	1,2,3-Trichlorobenzene	ND	1	5	0.28	ug/L	06/28/07 LZ
8260B	1,2,3-Trichloropropane	ND	1	5	0.16	ug/L	06/28/07 LZ
8260B	1,2,4-Trichlorobenzene	ND	1	5	0.27	ug/L	06/28/07 LZ
8260B	1,2,4-Trimethylbenzene	ND	1	5	0.28	ug/L	06/28/07 LZ
8260B	1,2-Dibromo-3-chloropropane	ND	1	5	0.12	ug/L	06/28/07 LZ
8260B	1,2-Dibromoethane	ND	1	5	0.19	ug/L	06/28/07 LZ
8260B	1,2-Dichlorobenzene	ND	1	5	0.26	ug/L	06/28/07 LZ
8260B	1,2-Dichloroethane	ND	1	5	0.20	ug/L	06/28/07 LZ
8260B	1,2-Dichloropropane	ND	1	5	0.36	ug/L	06/28/07 LZ
8260B	1,3,5-Trimethylbenzene	ND	1	5	0.24	ug/L	06/28/07 LZ
8260B	1,3-Dichlorobenzene	ND	1	5	0.34	ug/L	06/28/07 LZ
8260B	1,3-Dichloropropane	ND	1	5	0.19	ug/L	06/28/07 LZ
8260B	1,4-Dichlorobenzene	ND	1	5	0.43	ug/L	06/28/07 LZ
8260B	2,2-Dichloropropane	ND	1	5	0.32	ug/L	06/28/07 LZ
8260B	2-Butanone (MEK)	ND	1	100	0.78	ug/L	06/28/07 LZ
8260B	2-Chloroethyl vinyl ether	ND	1	5	0.23	ug/L	06/28/07 LZ
8260B	2-Chlorotoluene	ND	1	5	0.33	ug/L	06/28/07 LZ
8260B	4-Chlorotoluene	ND	1	5	0.31	ug/L	06/28/07 LZ
8260B	4-Methyl -2- Pentanone (MIBK)	ND	1	10	0.12	ug/L	06/28/07 LZ
8260B	Acetone	ND	1	100	10	ug/L	06/28/07 LZ
8260B	Allyl chloride	ND	1	5	0.19	ug/L	06/28/07 LZ
8260B	Benzene	ND	1	1	0.18	ug/L	06/28/07 LZ
8260B	Bromobenzene	ND	1	5	0.53	ug/L	06/28/07 LZ
8260B	Bromochloromethane	ND	1	5	0.17	ug/L	06/28/07 LZ
8260B	Bromodichloromethane	ND	1	5	0.31	ug/L	06/28/07 LZ
8260B	Bromoform	ND	1	5	0.13	ug/L	06/28/07 LZ
8260B	Bromomethane	ND	1	5	0.68	ug/L	06/28/07 LZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 810675 **Client Sample ID:** Laboratory Method Blank

Matrix: WATER

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Carbon tetrachloride	ND	1	5	0.27	ug/L	06/28/07 LZ
8260B	Chlorobenzene	ND	1	5	0.19	ug/L	06/28/07 LZ
8260B	Chloroethane	ND	1	5	0.45	ug/L	06/28/07 LZ
8260B	Chloroform	ND	1	5	0.18	ug/L	06/28/07 LZ
8260B	Chloromethane	ND	1	5	0.27	ug/L	06/28/07 LZ
8260B	cis-1,2-Dichloroethene	ND	1	5	0.27	ug/L	06/28/07 LZ
8260B	cis-1,3-Dichloropropene	ND	1	5	0.25	ug/L	06/28/07 LZ
8260B	cis-1,4-Dichloro-2-butene	ND	1	20	0.17	ug/L	06/28/07 LZ
8260B	Di-isopropyl ether (DIPE)	ND	1	1	0.20	ug/L	06/28/07 LZ
8260B	Dibromochloromethane	ND	1	5	0.21	ug/L	06/28/07 LZ
8260B	Dibromomethane	ND	1	5	0.23	ug/L	06/28/07 LZ
8260B	Dichlorodifluoromethane	ND	1	5	0.33	ug/L	06/28/07 LZ
8260B	Ethyl benzene	ND	1	5	0.21	ug/L	06/28/07 LZ
8260B	Ethyl-tertbutylether (ETBE)	ND	1	1	0.23	ug/L	06/28/07 LZ
8260B	Hexachlorobutadiene	ND	1	5	0.51	ug/L	06/28/07 LZ
8260B	Hexane	ND	1	50	50	ug/L	06/28/07 LZ
8260B	Isopropylbenzene (Cumene)	ND	1	5	0.24	ug/L	06/28/07 LZ
8260B	m and p-Xylene	ND	1	5	0.45	ug/L	06/28/07 LZ
8260B	Methyl-tert-butylether (MTBE)	ND	1	1	0.19	ug/L	06/28/07 LZ
8260B	Methylene chloride	ND	1	5	0.16	ug/L	06/28/07 LZ
8260B	n-Butylbenzene	ND	1	5	0.38	ug/L	06/28/07 LZ
8260B	n-Propylbenzene	ND	1	5	0.31	ug/L	06/28/07 LZ
8260B	Naphthalene	ND	1	5	0.25	ug/L	06/28/07 LZ
8260B	o-Xylene	ND	1	5	0.29	ug/L	06/28/07 LZ
8260B	p-Isopropyltoluene	ND	1	5	0.32	ug/L	06/28/07 LZ
8260B	sec-Butylbenzene	ND	1	5	0.32	ug/L	06/28/07 LZ
8260B	Styrene	ND	1	5	0.22	ug/L	06/28/07 LZ
8260B	Tert-amylmethylether (TAME)	ND	1	1	0.19	ug/L	06/28/07 LZ
8260B	tert-Butylbenzene	ND	1	5	0.40	ug/L	06/28/07 LZ
8260B	Tertiary butyl alcohol (TBA)	ND	1	10	10	ug/L	06/28/07 LZ
8260B	Tetrachloroethene	ND	1	5	0.80	ug/L	06/28/07 LZ
8260B	Toluene	ND	1	5	0.24	ug/L	06/28/07 LZ
8260B	trans-1,2-Dichloroethene	ND	1	5	0.33	ug/L	06/28/07 LZ
8260B	trans-1,3-Dichloropropene	ND	1	5	0.23	ug/L	06/28/07 LZ
8260B	trans-1,4-Dichloro-2-butene	ND	1	20	0.17	ug/L	06/28/07 LZ
8260B	Trichloroethene	ND	1	5	0.39	ug/L	06/28/07 LZ

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

Order #: 810675 **Client Sample ID:** Laboratory Method Blank

Matrix: WATER

Method	Analyte	Result	DF	EQL	MDL	Units	Date/Analyst
8260B	Trichlorofluoromethane	ND	1	5	0.25	ug/L	06/28/07 LZ
8260B	Vinyl chloride	ND	1	5	0.18	ug/L	06/28/07 LZ
8260B	Xylenes, total	ND	1	5	0.45	ug/L	06/28/07 LZ

Surrogates	Units	Control Limits

EQL = Estimated Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace, S = Surrogate outside control limits

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

Project Number: 9050361.01.02

P.O. _____

Chain of Custody Number [1]: 062720072

LIMS Number: _____

Facility/Base I.D.: HOLMN

Project Name / Site Name: SS61

Client Name: USACE

Collected by: T Lucero

Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military)	Sample Depth (beginning -	SA Code [2]	Sample Numb	Sample Matri	Sample Analysis Requested [5]: Number of containers	VOC 8260+ hexane	TPH 8015 ORO-DRO	TPH 8015 GRO						Quality Assurance Samples [6]: Matrix Description	Trip Blank Lot Control Number	Cooler ID
SS61NE-2-26	SS61EP-25	26-Jun-07	1430	26 - 26	N	1	SO	7	[1]	[1]	[1]						Soil		2
SS61SE2-26	SS61NE-20	26-Jun-07	1500	26 - 26	N	1	SO	7	[1]	[1]	[1]						Soil		2
Trip Blank	Field QC	26-Jun-07	1430	-	TB		AQ	1	[1]										2
				-															
				-			-												
				-															
				-															
				-															

COMMENTS:

Email PDF to rrenvironmental@zianet.com,tlrrenvironmental@msn.com,molive@bhate.com

Associated Labs 806 N. Batavia Orange CA 92868

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1.	Tom C	6-27-07	1600		6/28/07	10:15
2.						
3.						

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: _____ Shipped No.: _____

Method of Shipment: FEDEX Airbill Number: _____

Analytical Lab: Associated Delivery Location: Orange ,CA

Lab Recipient: Delivery Date/Time:

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

ASSOCIATED LABORATORIES
806 North Batavia – Orange, California 92868 – 714-771-6900 *FAX 714-538-1209*

SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: Bhate
Project: _____
Date Received: 6/28/07
Sample(s) received in cooler: (Yes) No (Skip Section 2)

Section 2
Was the cooler packed with: ✓ Ice ___ Ice Packs ___ Bubble Wrap ___ Styrofoam ___ Paper ___ None ___ Other _____
Cooler or box temperature: 2.3°C

(Acceptance range is 2 to 6 Deg. C.)

Section 3	YES	NO	N/A
Was a COC received?	✓		
Were custody seals present?			✓
If Yes – were they intact?			
Were all samples sealed in plastic bags?	✓		
Did all samples arrive intact? If no, indicate below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were correct containers used for the tests required?	✓		
Was a sufficient amount of sample sent for tests indicated?	✓		
No head space in VOA vials?			✓
Were the correct preservatives used?			✓
Were the samples scanned for presence of radioactivity?			✓
Was total residual chlorine measured (Fish Bioassay samples only)? *			✓

*: If the answer is no, please inform Fish Bioassay Dept. immediately.

Section 4
Explanations/Comments

Section 5
Was Project Manager notified of discrepancies: Y / N (N/A)

Completed By: _____ Date: 6/28/07

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

10/29/08

Technical Report for

Bhate Environmental Associates, Inc.

HOLMN

PROJECT # 9050361 01.02

Accutest Job Number: F52006

Sampling Date: 08/22/07

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **41**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.

Test results relate only to samples analyzed.

Sections: 1 2 3 4 5 6

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **5**
3.1: F52006-1: SS61-DP75-10 6
3.2: F52006-2: SS61-DP75-20 10
3.3: F52006-3: SS61-DP76-12.5 14
3.4: F52006-4: SS61-DP76-23 18
3.5: F52006-5: 08222007-TB 22
Section 4: Misc. Forms **25**
4.1: Chain of Custody 26
Section 5: GC/MS Volatiles - QC Data Summaries **28**
5.1: Method Blank Summary 29
5.2: Blank Spike Summary 32
5.3: Matrix Spike/Matrix Spike Duplicate Summary 35
Section 6: GC Volatiles - QC Data Summaries **38**
6.1: Method Blank Summary 39
6.2: Blank Spike Summary 40
6.3: Matrix Spike/Matrix Spike Duplicate Summary 41

Sample Summary

Bhate Environmental Associates, Inc.

Job No: F52006

HOLMN
Project No: PROJECT # 9050361 01.02

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F52006-1	08/22/07	12:00	ZB	08/23/07	SO	Soil	SS61-DP75-10
F52006-2	08/22/07	12:05	ZB	08/23/07	SO	Soil	SS61-DP75-20
F52006-3	08/22/07	13:05	ZB	08/23/07	SO	Soil	SS61-DP76-12.5
F52006-4	08/22/07	13:10	ZB	08/23/07	SO	Soil	SS61-DP76-23
F52006-5	08/22/07	00:00	ZB	08/23/07	SO	Trip Blank Soil	08222007-TB

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Bhate Environmental Associates, Inc. **Job No:** F52006

Site: HOLMN **Report Date** 9/11/2007 12:46:11

4 Samples, 1 Trip Blank were collected on 08/22/2007 and received at Accutest on 08/23/2007 properly preserved, at 2.4 Deg. C and intact. These Samples received an Accutest job number of F52006. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VF441

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F52006-1MS, F52006-1MSD were used as the QC samples indicated.

Matrix Spike Recovery(s) for 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Acetonitrile, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Methyl methacrylate, Propionitrile are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,2,3-Trichloropropane, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, 1,3-Dichloropropane, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Acetonitrile, Benzyl Chloride, cis-1,4-Dichloro-2-Butene, Dibromochloromethane, Ethyl methacrylate, Methacrylonitrile, Methyl ethyl ketone, Methyl methacrylate, Propionitrile, trans-1,3-Dichloropropene, Trans-1,4-Dichloro-2-Butene are outside control limits. Probable cause due to matrix interference. For method performance in clean matrix refer to Blank Spike.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GCD3319

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F52039-5MS, F52039-5MSD were used as the QC samples indicated.

Wet Chemistry By Method EPA 160.3 M

Matrix: SO **Batch ID:** GN27128

Sample(s) F52006-1DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: September 11, 2007

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-DP75-10		
Lab Sample ID:	F52006-1	**Date Sampled:**	08/22/07
Matrix:	SO - Soil	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	75.8
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F023119.D	1	08/31/07	WJ	n/a	n/a	VF441
Run #2							

	Initial Weight
Run #1	4.30 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	77	38	ug/kg	
75-05-8	Acetonitrile	ND	77	26	ug/kg	
107-02-8	Acrolein	ND	38	17	ug/kg	
107-13-1	Acrylonitrile	ND	38	12	ug/kg	
107-05-1	Allyl chloride	ND	38	7.7	ug/kg	
71-43-2	Benzene	ND	7.7	1.5	ug/kg	
100-44-7	Benzyl Chloride	ND	7.7	1.5	ug/kg	
108-86-1	Bromobenzene	ND	7.7	1.5	ug/kg	
74-97-5	Bromochloromethane	ND	7.7	1.5	ug/kg	
75-27-4	Bromodichloromethane	ND	7.7	1.5	ug/kg	
75-25-2	Bromoform	ND	7.7	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	7.7	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	7.7	1.7	ug/kg	
98-06-6	tert-Butylbenzene	ND	7.7	1.8	ug/kg	
108-90-7	Chlorobenzene	ND	7.7	1.5	ug/kg	
75-00-3	Chloroethane	ND	7.7	4.0	ug/kg	
67-66-3	Chloroform	ND	7.7	1.5	ug/kg	
544-10-5	1-Chlorohexane	ND	7.7	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	7.7	1.8	ug/kg	
106-43-4	p-Chlorotoluene	ND	7.7	1.7	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	38	7.7	ug/kg	
75-15-0	Carbon disulfide	ND	7.7	1.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	7.7	2.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.7	1.7	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	7.7	1.5	ug/kg	
563-58-6	1,1-Dichloropropene	ND	7.7	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	7.7	3.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	7.7	1.5	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7.7	1.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.7	2.0	ug/kg	
142-28-9	1,3-Dichloropropane	ND	7.7	1.5	ug/kg	
594-20-7	2,2-Dichloropropane	ND	7.7	1.8	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP75-10		
Lab Sample ID:	F52006-1	**Date Sampled:**	08/22/07
Matrix:	SO - Soil	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	75.8
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	7.7	1.5	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	7.7	3.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	7.7	1.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.7	1.5	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	38	7.7	ug/kg	
541-73-1	m-Dichlorobenzene	ND	7.7	1.5	ug/kg	
95-50-1	o-Dichlorobenzene	ND	7.7	1.5	ug/kg	
106-46-7	p-Dichlorobenzene	ND	7.7	1.5	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	7.7	1.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	7.7	1.5	ug/kg	
100-41-4	Ethylbenzene	ND	7.7	1.5	ug/kg	
97-63-2	Ethyl methacrylate	ND	38	7.7	ug/kg	
76-13-1	Freon 113	ND	7.7	2.0	ug/kg	
591-78-6	2-Hexanone	ND	38	15	ug/kg	
87-68-3	Hexachlorobutadiene	ND	7.7	2.5	ug/kg	
110-54-3	Hexane	ND	7.7	2.8	ug/kg	
98-82-8	Isopropylbenzene	ND	7.7	1.5	ug/kg	
99-87-6	p-Isopropyltoluene	ND	7.7	1.5	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	38	15	ug/kg	
126-98-7	Methacrylonitrile	ND	38	7.7	ug/kg	
74-83-9	Methyl bromide	ND	7.7	2.8	ug/kg	
74-87-3	Methyl chloride	ND	7.7	3.1	ug/kg	
74-88-4	Methyl iodide	ND	15	3.1	ug/kg	
80-62-6	Methyl methacrylate	ND	38	7.7	ug/kg	
74-95-3	Methylene bromide	ND	7.7	1.5	ug/kg	
75-09-2	Methylene chloride	9.6	15	7.7	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	38	15	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	7.7	1.5	ug/kg	
91-20-3	Naphthalene	3.4	7.7	3.1	ug/kg	J
76-01-7	Pentachloroethane	ND	38	7.7	ug/kg	
107-12-0	Propionitrile	ND	77	15	ug/kg	
103-65-1	n-Propylbenzene	ND	7.7	1.7	ug/kg	
100-42-5	Styrene	ND	7.7	1.5	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	7.7	1.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.7	1.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.7	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	7.7	1.5	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	7.7	3.1	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	7.7	2.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	7.7	1.7	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP75-10		
Lab Sample ID:	F52006-1	**Date Sampled:**	08/22/07
Matrix:	SO - Soil	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	75.8
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	7.7	1.7	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	7.7	1.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	7.7	1.5	ug/kg	
108-88-3	Toluene	ND	7.7	1.5	ug/kg	
79-01-6	Trichloroethylene	ND	7.7	1.5	ug/kg	
75-69-4	Trichlorofluoromethane	ND	7.7	2.5	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	38	7.7	ug/kg	
75-01-4	Vinyl chloride	ND	7.7	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	38	7.7	ug/kg	
	m,p-Xylene	ND	15	1.7	ug/kg	
95-47-6	o-Xylene	ND	7.7	1.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-121%
2037-26-5	Toluene-D8	96%		71-130%
460-00-4	4-Bromofluorobenzene	101%		59-148%
17060-07-0	1,2-Dichloroethane-D4	107%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP75-10		
Lab Sample ID:	F52006-1	**Date Sampled:**	08/22/07
Matrix:	SO - Soil	**Date Received:**	08/23/07
Method:	SW846 8015	**Percent Solids:**	75.8
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD079806.D	1	08/28/07	MM	n/a	n/a	GCD3319
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.74 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	8.6	4.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%		56-136%
98-08-8	aaa-Trifluorotoluene	92%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP75-20		
Lab Sample ID:	F52006-2	**Date Sampled:**	08/22/07
Matrix:	SO - Soil	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	81.0
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F023122.D	1	08/31/07	WJ	n/a	n/a	VF441
Run #2							

	Initial Weight
Run #1	5.69 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	54	27	ug/kg	
75-05-8	Acetonitrile	ND	54	19	ug/kg	
107-02-8	Acrolein	ND	27	12	ug/kg	
107-13-1	Acrylonitrile	ND	27	8.6	ug/kg	
107-05-1	Allyl chloride	ND	27	5.4	ug/kg	
71-43-2	Benzene	ND	5.4	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.4	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.4	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.4	1.1	ug/kg	
75-27-4	Bromodichloromethane	ND	5.4	1.1	ug/kg	
75-25-2	Bromoform	ND	5.4	1.1	ug/kg	
104-51-8	n-Butylbenzene	ND	5.4	1.1	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.4	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.4	1.3	ug/kg	
108-90-7	Chlorobenzene	ND	5.4	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.4	2.8	ug/kg	
67-66-3	Chloroform	ND	5.4	1.1	ug/kg	
544-10-5	1-Chlorohexane	ND	5.4	1.1	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.4	1.3	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.4	1.2	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	27	5.4	ug/kg	
75-15-0	Carbon disulfide	ND	5.4	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.4	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.4	1.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.4	1.1	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.4	1.1	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.4	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.4	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.4	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.4	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.4	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.4	1.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP75-20		
Lab Sample ID:	F52006-2	**Date Sampled:**	08/22/07
Matrix:	SO - Soil	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	81.0
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.4	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.4	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.4	1.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.4	1.1	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	27	5.4	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.4	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.4	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.4	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.4	1.1	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.4	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.4	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	27	5.4	ug/kg	
76-13-1	Freon 113	ND	5.4	1.4	ug/kg	
591-78-6	2-Hexanone	ND	27	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.4	1.7	ug/kg	
110-54-3	Hexane	ND	5.4	2.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.4	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.4	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	27	11	ug/kg	
126-98-7	Methacrylonitrile	ND	27	5.4	ug/kg	
74-83-9	Methyl bromide	ND	5.4	2.0	ug/kg	
74-87-3	Methyl chloride	ND	5.4	2.2	ug/kg	
74-88-4	Methyl iodide	ND	11	2.2	ug/kg	
80-62-6	Methyl methacrylate	ND	27	5.4	ug/kg	
74-95-3	Methylene bromide	ND	5.4	1.1	ug/kg	
75-09-2	Methylene chloride	6.6	11	5.4	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	27	11	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.4	1.1	ug/kg	
91-20-3	Naphthalene	ND	5.4	2.2	ug/kg	
76-01-7	Pentachloroethane	ND	27	5.4	ug/kg	
107-12-0	Propionitrile	ND	54	11	ug/kg	
103-65-1	n-Propylbenzene	ND	5.4	1.2	ug/kg	
100-42-5	Styrene	ND	5.4	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.4	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.4	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.4	1.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.4	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.4	2.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.4	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.4	1.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP75-20		
Lab Sample ID:	F52006-2	**Date Sampled:**	08/22/07
Matrix:	SO - Soil	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	81.0
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.4	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.4	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.4	1.1	ug/kg	
108-88-3	Toluene	ND	5.4	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.4	1.1	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.4	1.7	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	27	5.4	ug/kg	
75-01-4	Vinyl chloride	ND	5.4	1.5	ug/kg	
108-05-4	Vinyl Acetate	ND	27	5.4	ug/kg	
	m,p-Xylene	ND	11	1.2	ug/kg	
95-47-6	o-Xylene	ND	5.4	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-121%
2037-26-5	Toluene-D8	97%		71-130%
460-00-4	4-Bromofluorobenzene	101%		59-148%
17060-07-0	1,2-Dichloroethane-D4	108%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP75-20		
Lab Sample ID:	F52006-2	**Date Sampled:**	08/22/07
Matrix:	SO - Soil	**Date Received:**	08/23/07
Method:	SW846 8015	**Percent Solids:**	81.0
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD079807.D	1	08/28/07	MM	n/a	n/a	GCD3319
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.79 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.6	3.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	88%		56-136%
98-08-8	aaa-Trifluorotoluene	84%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP76-12.5		
Lab Sample ID:	F52006-3	**Date Sampled:**	08/22/07
Matrix:	SO - Soil	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	78.6
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F023123.D	1	08/31/07	WJ	n/a	n/a	VF441
Run #2							

	Initial Weight
Run #1	5.82 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	55	27	ug/kg	
75-05-8	Acetonitrile	ND	55	19	ug/kg	
107-02-8	Acrolein	ND	27	12	ug/kg	
107-13-1	Acrylonitrile	ND	27	8.6	ug/kg	
107-05-1	Allyl chloride	ND	27	5.5	ug/kg	
71-43-2	Benzene	ND	5.5	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.5	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.5	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.5	1.1	ug/kg	
75-27-4	Bromodichloromethane	ND	5.5	1.1	ug/kg	
75-25-2	Bromoform	ND	5.5	1.1	ug/kg	
104-51-8	n-Butylbenzene	ND	5.5	1.1	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.5	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.5	1.3	ug/kg	
108-90-7	Chlorobenzene	ND	5.5	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.5	2.8	ug/kg	
67-66-3	Chloroform	ND	5.5	1.1	ug/kg	
544-10-5	1-Chlorohexane	ND	5.5	1.1	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.5	1.3	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.5	1.2	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	27	5.5	ug/kg	
75-15-0	Carbon disulfide	ND	5.5	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.5	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.5	1.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.5	1.1	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.5	1.1	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.5	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.5	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.5	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.5	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.5	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.5	1.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP76-12.5		
Lab Sample ID:	F52006-3	**Date Sampled:**	08/22/07
Matrix:	SO - Soil	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	78.6
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.5	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.5	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.5	1.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.5	1.1	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	27	5.5	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.5	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.5	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.5	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.5	1.1	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.5	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.5	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	27	5.5	ug/kg	
76-13-1	Freon 113	ND	5.5	1.4	ug/kg	
591-78-6	2-Hexanone	ND	27	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.5	1.7	ug/kg	
110-54-3	Hexane	ND	5.5	2.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.5	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.5	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	27	11	ug/kg	
126-98-7	Methacrylonitrile	ND	27	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.5	2.0	ug/kg	
74-87-3	Methyl chloride	ND	5.5	2.2	ug/kg	
74-88-4	Methyl iodide	ND	11	2.2	ug/kg	
80-62-6	Methyl methacrylate	ND	27	5.5	ug/kg	
74-95-3	Methylene bromide	ND	5.5	1.1	ug/kg	
75-09-2	Methylene chloride	7.4	11	5.5	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	27	11	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.5	1.1	ug/kg	
91-20-3	Naphthalene	ND	5.5	2.2	ug/kg	
76-01-7	Pentachloroethane	ND	27	5.5	ug/kg	
107-12-0	Propionitrile	ND	55	11	ug/kg	
103-65-1	n-Propylbenzene	ND	5.5	1.2	ug/kg	
100-42-5	Styrene	ND	5.5	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.5	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.5	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.5	1.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.5	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.5	2.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.5	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.5	1.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP76-12.5		
Lab Sample ID:	F52006-3	**Date Sampled:**	08/22/07
Matrix:	SO - Soil	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	78.6
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.5	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.5	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.5	1.1	ug/kg	
108-88-3	Toluene	ND	5.5	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.5	1.1	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.5	1.7	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	27	5.5	ug/kg	
75-01-4	Vinyl chloride	ND	5.5	1.5	ug/kg	
108-05-4	Vinyl Acetate	ND	27	5.5	ug/kg	
	m,p-Xylene	ND	11	1.2	ug/kg	
95-47-6	o-Xylene	ND	5.5	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		80-121%
2037-26-5	Toluene-D8	98%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	108%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP76-12.5		
Lab Sample ID:	F52006-3	**Date Sampled:**	08/22/07
Matrix:	SO - Soil	**Date Received:**	08/23/07
Method:	SW846 8015	**Percent Solids:**	78.6
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD079808.D	1	08/28/07	MM	n/a	n/a	GCD3319
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.09 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.6	3.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%		56-136%
98-08-8	aaa-Trifluorotoluene	84%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP76-23		
Lab Sample ID:	F52006-4	**Date Sampled:**	08/22/07
Matrix:	SO - Soil	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	77.8
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F023124.D	1	08/31/07	WJ	n/a	n/a	VF441
Run #2							

	Initial Weight
Run #1	5.94 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	54	27	ug/kg	
75-05-8	Acetonitrile	ND	54	19	ug/kg	
107-02-8	Acrolein	ND	27	12	ug/kg	
107-13-1	Acrylonitrile	ND	27	8.5	ug/kg	
107-05-1	Allyl chloride	ND	27	5.4	ug/kg	
71-43-2	Benzene	ND	5.4	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.4	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.4	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.4	1.1	ug/kg	
75-27-4	Bromodichloromethane	ND	5.4	1.1	ug/kg	
75-25-2	Bromoform	ND	5.4	1.1	ug/kg	
104-51-8	n-Butylbenzene	ND	5.4	1.1	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.4	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.4	1.3	ug/kg	
108-90-7	Chlorobenzene	ND	5.4	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.4	2.8	ug/kg	
67-66-3	Chloroform	ND	5.4	1.1	ug/kg	
544-10-5	1-Chlorohexane	ND	5.4	1.1	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.4	1.3	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.4	1.2	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	27	5.4	ug/kg	
75-15-0	Carbon disulfide	ND	5.4	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.4	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.4	1.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.4	1.1	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.4	1.1	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.4	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.4	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.4	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.4	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.4	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.4	1.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP76-23		
Lab Sample ID:	F52006-4	**Date Sampled:**	08/22/07
Matrix:	SO - Soil	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	77.8
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.4	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.4	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.4	1.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.4	1.1	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	27	5.4	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.4	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.4	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.4	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.4	1.1	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.4	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.4	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	27	5.4	ug/kg	
76-13-1	Freon 113	ND	5.4	1.4	ug/kg	
591-78-6	2-Hexanone	ND	27	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.4	1.7	ug/kg	
110-54-3	Hexane	ND	5.4	1.9	ug/kg	
98-82-8	Isopropylbenzene	ND	5.4	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.4	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	27	11	ug/kg	
126-98-7	Methacrylonitrile	ND	27	5.4	ug/kg	
74-83-9	Methyl bromide	ND	5.4	1.9	ug/kg	
74-87-3	Methyl chloride	ND	5.4	2.2	ug/kg	
74-88-4	Methyl iodide	ND	11	2.2	ug/kg	
80-62-6	Methyl methacrylate	ND	27	5.4	ug/kg	
74-95-3	Methylene bromide	ND	5.4	1.1	ug/kg	
75-09-2	Methylene chloride	6.6	11	5.4	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	27	11	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.4	1.1	ug/kg	
91-20-3	Naphthalene	ND	5.4	2.2	ug/kg	
76-01-7	Pentachloroethane	ND	27	5.4	ug/kg	
107-12-0	Propionitrile	ND	54	11	ug/kg	
103-65-1	n-Propylbenzene	ND	5.4	1.2	ug/kg	
100-42-5	Styrene	ND	5.4	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.4	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.4	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.4	1.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.4	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.4	2.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.4	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.4	1.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP76-23		
Lab Sample ID:	F52006-4	**Date Sampled:**	08/22/07
Matrix:	SO - Soil	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	77.8
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.4	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.4	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.4	1.1	ug/kg	
108-88-3	Toluene	ND	5.4	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.4	1.1	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.4	1.7	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	27	5.4	ug/kg	
75-01-4	Vinyl chloride	ND	5.4	1.5	ug/kg	
108-05-4	Vinyl Acetate	ND	27	5.4	ug/kg	
	m,p-Xylene	ND	11	1.2	ug/kg	
95-47-6	o-Xylene	ND	5.4	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		80-121%
2037-26-5	Toluene-D8	98%		71-130%
460-00-4	4-Bromofluorobenzene	100%		59-148%
17060-07-0	1,2-Dichloroethane-D4	112%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP76-23		
Lab Sample ID:	F52006-4	**Date Sampled:**	08/22/07
Matrix:	SO - Soil	**Date Received:**	08/23/07
Method:	SW846 8015	**Percent Solids:**	77.8
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD079809.D	1	08/28/07	MM	n/a	n/a	GCD3319
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.94 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.8	3.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	87%		56-136%
98-08-8	aaa-Trifluorotoluene	84%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	08222007-TB		
Lab Sample ID:	F52006-5	**Date Sampled:**	08/22/07
Matrix:	SO - Trip Blank Soil	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F023125.D	1	08/31/07	WJ	n/a	n/a	VF441
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	17	ug/kg	
107-02-8	Acrolein	ND	25	11	ug/kg	
107-13-1	Acrylonitrile	ND	25	7.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.0	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.0	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.0	ug/kg	
75-25-2	Bromoform	ND	5.0	1.0	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.6	ug/kg	
67-66-3	Chloroform	ND	5.0	1.0	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	5.0	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	1.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.2	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.3	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	1.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	08222007-TB		
Lab Sample ID:	F52006-5	**Date Sampled:**	08/22/07
Matrix:	SO - Trip Blank Soil	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	1.3	ug/kg	
591-78-6	2-Hexanone	ND	25	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.6	ug/kg	
110-54-3	Hexane	ND	5.0	1.8	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	10	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.0	ug/kg	
74-83-9	Methyl bromide	ND	5.0	1.8	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.0	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.0	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	10	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.1	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.3	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	08222007-TB		
Lab Sample ID:	F52006-5	**Date Sampled:**	08/22/07
Matrix:	SO - Trip Blank Soil	**Date Received:**	08/23/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.0	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	1.6	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	1.4	ug/kg	
108-05-4	Vinyl Acetate	ND	25	5.0	ug/kg	
	m,p-Xylene	ND	10	1.1	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		80-121%
2037-26-5	Toluene-D8	96%		71-130%
460-00-4	4-Bromofluorobenzene	98%		59-148%
17060-07-0	1,2-Dichloroethane-D4	114%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

F52006

4.1

4

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

Page 1 of 1

9050361 01.02

P.O. _____

Chain of Custody Number [1]: 08222007-01

LIMS Number: _____

Facility/Base I.D.: Holloman Air Force Base, New Mexico

Project Name / Site Name: SS61 Soil Boring Sampling

Client Name: USACE

Collected by: Z. Beck, K. Thompson, C. McGriff

Field Sample ID (10 Character Max)	ERPIMS LOCID (15 Character Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [3]	Sample Number [2]	Sample Matrix [4]	Sample Analysis Requested [5]: Number of containers	VOCs 8260B	TPH - 8015M - GRO only								Quality Assurance Samples [6]: Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
SS61-DP75-10		22-AUG-2007	1200	5-10	N		SO	5	[1]	[1]											2
SS61-DP75-20		22-AUG-2007	1205	15-20	N		SO	5	[1]	[1]											2
SS61-DP76-12.5		22-AUG-2007	1305	10-12.5	N		SO	5	[1]	[1]											2
SS61-DP76-23		22-AUG-2007	1310	20-23	N		SO	5	[1]	[1]											2
08222007-TB		22-AUG-2007			TB		WQ	2	[1]												2

COMMENTS: _____

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time	Received by (Signed)	Date	Time
1.	[signature]	08/22/07	1500	[signature]	08/23/07	
2.	[signature]	08/23/07	0900			
3.						

5

Delivered Directly to Lab: _____ Shipped No.: _____

Method of Shipment: _____ Airbill Number: _____

Analytical Lab: _____ Delivery Location: _____

Lab Recipient: _____ Delivery Date/Time: _____

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate(-c-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, If sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 101099001 in the Equipment Blank Lot Control

2.4°

F52006: Chain of Custody

Page 1 of 2

ACCUTEST Laboratories
F52006

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F52006 CLIENT: BHATE PROJECT: SS 61 Soil Boring

DATE/TIME RECEIVED: 08/23/07 0900 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.4°

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8619 1476 4623

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [X] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 16

NUMBER OF 5035 FIELD KITS ? 0 TB

NUMBER OR LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE: [signature] TECHNICIAN SIGNATURE/DATE: E.T. 8-23-07

ASBD 10/03/06

F52006: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F52006
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF441-MB	F023117.D	1	08/31/07	WJ	n/a	n/a	VF441

The QC reported here applies to the following samples: **Method:** SW846 8260B

F52006-1, F52006-2, F52006-3, F52006-4, F52006-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	17	ug/kg	
107-02-8	Acrolein	ND	25	11	ug/kg	
107-13-1	Acrylonitrile	ND	25	7.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.0	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.0	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.0	ug/kg	
75-25-2	Bromoform	ND	5.0	1.0	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.6	ug/kg	
67-66-3	Chloroform	ND	5.0	1.0	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	5.0	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	1.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.2	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.3	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	1.2	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	

Method Blank Summary

Job Number: F52006
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF441-MB	F023117.D	1	08/31/07	WJ	n/a	n/a	VF441

The QC reported here applies to the following samples: **Method:** SW846 8260B

F52006-1, F52006-2, F52006-3, F52006-4, F52006-5

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	1.3	ug/kg	
591-78-6	2-Hexanone	ND	25	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.6	ug/kg	
110-54-3	Hexane	ND	5.0	1.8	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	10	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.0	ug/kg	
74-83-9	Methyl bromide	ND	5.0	1.8	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.0	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.0	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	10	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.1	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.3	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.1	ug/kg	

Method Blank Summary

Job Number: F52006
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF441-MB	F023117.D	1	08/31/07	WJ	n/a	n/a	VF441

The QC reported here applies to the following samples: **Method:** SW846 8260B

F52006-1, F52006-2, F52006-3, F52006-4, F52006-5

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.0	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	1.6	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	1.4	ug/kg	
108-05-4	Vinyl Acetate	ND	25	5.0	ug/kg	
	m,p-Xylene	ND	10	1.1	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	107%	80-121%
2037-26-5	Toluene-D8	98%	71-130%
460-00-4	4-Bromofluorobenzene	98%	59-148%
17060-07-0	1,2-Dichloroethane-D4	108%	77-123%

Blank Spike Summary

Job Number: F52006
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF441-BS	F023116.D	1	08/31/07	WJ	n/a	n/a	VF441

The QC reported here applies to the following samples: **Method:** SW846 8260B

F52006-1, F52006-2, F52006-3, F52006-4, F52006-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	259	104	61-144
75-05-8	Acetonitrile	500	531	106	59-139
107-02-8	Acrolein	250	307	123	27-156
107-13-1	Acrylonitrile	250	249	100	55-144
107-05-1	Allyl chloride	50	52.8	106	41-152
71-43-2	Benzene	50	53.6	107	78-130
100-44-7	Benzyl Chloride	50	50.7	101	74-130
108-86-1	Bromobenzene	50	51.2	102	78-123
74-97-5	Bromochloromethane	50	50.0	100	72-122
75-27-4	Bromodichloromethane	50	52.8	106	73-122
75-25-2	Bromoform	50	51.7	103	70-139
104-51-8	n-Butylbenzene	50	54.9	110	80-138
135-98-8	sec-Butylbenzene	50	54.6	109	82-132
98-06-6	tert-Butylbenzene	50	54.7	109	79-130
108-90-7	Chlorobenzene	50	53.3	107	83-122
75-00-3	Chloroethane	50	49.0	98	61-153
67-66-3	Chloroform	50	54.7	109	79-129
544-10-5	1-Chlorohexane	50	56.1	112	85-137
95-49-8	o-Chlorotoluene	50	53.5	107	77-123
106-43-4	p-Chlorotoluene	50	53.6	107	78-129
110-75-8	2-Chloroethyl vinyl ether	250	220	88	52-142
75-15-0	Carbon disulfide	50	51.5	103	61-142
56-23-5	Carbon tetrachloride	50	54.3	109	79-135
75-34-3	1,1-Dichloroethane	50	53.5	107	77-132
75-35-4	1,1-Dichloroethylene	50	57.9	116	66-132
563-58-6	1,1-Dichloropropene	50	54.7	109	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	50.9	102	67-129
106-93-4	1,2-Dibromoethane	50	51.7	103	77-126
107-06-2	1,2-Dichloroethane	50	55.1	110	78-129
78-87-5	1,2-Dichloropropane	50	53.3	107	74-127
142-28-9	1,3-Dichloropropane	50	51.2	102	78-118
594-20-7	2,2-Dichloropropane	50	57.0	114	80-137
124-48-1	Dibromochloromethane	50	51.7	103	78-117
75-71-8	Dichlorodifluoromethane	50	44.2	88	35-162
156-59-2	cis-1,2-Dichloroethylene	50	49.9	100	74-123
10061-01-5	cis-1,3-Dichloropropene	50	54.5	109	79-130

Blank Spike Summary

Job Number: F52006
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF441-BS	F023116.D	1	08/31/07	WJ	n/a	n/a	VF441

The QC reported here applies to the following samples: **Method:** SW846 8260B

F52006-1, F52006-2, F52006-3, F52006-4, F52006-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	55.0	110	71-126
541-73-1	m-Dichlorobenzene	50	53.2	106	82-126
95-50-1	o-Dichlorobenzene	50	53.0	106	83-123
106-46-7	p-Dichlorobenzene	50	53.2	106	84-124
156-60-5	trans-1,2-Dichloroethylene	50	53.0	106	77-129
10061-02-6	trans-1,3-Dichloropropene	50	56.6	113	87-131
100-41-4	Ethylbenzene	50	52.8	106	82-124
97-63-2	Ethyl methacrylate	50	51.0	102	78-118
76-13-1	Freon 113	50	56.5	113	62-147
591-78-6	2-Hexanone	250	267	107	67-130
87-68-3	Hexachlorobutadiene	50	56.7	113	77-150
110-54-3	Hexane	50	46.1	92	65-147
98-82-8	Isopropylbenzene	50	56.8	114	82-133
99-87-6	p-Isopropyltoluene	50	54.1	108	82-132
108-10-1	4-Methyl-2-pentanone	250	261	104	69-125
126-98-7	Methacrylonitrile	500	552	110	70-138
74-83-9	Methyl bromide	50	56.3	113	60-146
74-87-3	Methyl chloride	50	64.7	129	58-163
74-88-4	Methyl iodide	50	50.4	101	66-128
80-62-6	Methyl methacrylate	50	51.5	103	73-125
74-95-3	Methylene bromide	50	54.1	108	75-128
75-09-2	Methylene chloride	50	47.7	95	62-140
78-93-3	Methyl ethyl ketone	250	259	104	66-134
1634-04-4	Methyl Tert Butyl Ether	50	49.3	99	70-131
91-20-3	Naphthalene	50	50.7	101	59-143
76-01-7	Pentachloroethane	50	51.3	103	64-156
107-12-0	Propionitrile	500	525	105	73-133
103-65-1	n-Propylbenzene	50	53.9	108	78-129
100-42-5	Styrene	50	51.6	103	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	52.5	105	81-121
71-55-6	1,1,1-Trichloroethane	50	56.3	113	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	50.3	101	70-128
79-00-5	1,1,2-Trichloroethane	50	51.1	102	76-118
87-61-6	1,2,3-Trichlorobenzene	50	53.6	107	78-136
96-18-4	1,2,3-Trichloropropane	50	50.9	102	74-125
120-82-1	1,2,4-Trichlorobenzene	50	54.9	110	82-137

Blank Spike Summary

Job Number: F52006
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF441-BS	F023116.D	1	08/31/07	WJ	n/a	n/a	VF441

The QC reported here applies to the following samples: **Method:** SW846 8260B

F52006-1, F52006-2, F52006-3, F52006-4, F52006-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	51.6	103	77-129
108-67-8	1,3,5-Trimethylbenzene	50	52.9	106	79-129
127-18-4	Tetrachloroethylene	50	54.2	108	79-132
108-88-3	Toluene	50	51.2	102	80-123
79-01-6	Trichloroethylene	50	54.2	108	78-132
75-69-4	Trichlorofluoromethane	50	56.7	113	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	55.5	111	74-138
75-01-4	Vinyl chloride	50	62.5	125	60-145
108-05-4	Vinyl Acetate	250	183	73	25-164
	m,p-Xylene	100	109	109	82-128
95-47-6	o-Xylene	50	53.6	107	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	105%	80-121%
2037-26-5	Toluene-D8	97%	71-130%
460-00-4	4-Bromofluorobenzene	100%	59-148%
17060-07-0	1,2-Dichloroethane-D4	106%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F52006
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52006-1MS	F023120.D	1	08/31/07	WJ	n/a	n/a	VF441
F52006-1MSD	F023121.D	1	08/31/07	WJ	n/a	n/a	VF441
F52006-1	F023119.D	1	08/31/07	WJ	n/a	n/a	VF441

The QC reported here applies to the following samples: **Method:** SW846 8260B

F52006-1, F52006-2, F52006-3, F52006-4, F52006-5

CAS No.	Compound	F52006-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		314	159	51*	149	48*	6	61-144/29
75-05-8	Acetonitrile	ND		627	357	57*	311	50*	14	59-139/30
107-02-8	Acrolein	ND		314	452	144	380	122	17	27-156/39
107-13-1	Acrylonitrile	ND		314	189	60	173	56	9	55-144/24
107-05-1	Allyl chloride	ND		62.7	64.0	102	54.6	88	16	41-152/24
71-43-2	Benzene	ND		62.7	65.9	105	55.6	89	17	78-130/25
100-44-7	Benzyl Chloride	ND		62.7	45.9	73*	39.5	63*	15	74-130/28
108-86-1	Bromobenzene	ND		62.7	61.7	98	53.3	86	15	78-123/30
74-97-5	Bromochloromethane	ND		62.7	54.5	87	47.5	76	14	72-122/23
75-27-4	Bromodichloromethane	ND		62.7	61.7	98	53.1	85	15	73-122/25
75-25-2	Bromoform	ND		62.7	51.4	82	44.9	72	13	70-139/26
104-51-8	n-Butylbenzene	ND		62.7	68.1	109	56.5	91	19	80-138/31
135-98-8	sec-Butylbenzene	ND		62.7	68.7	110	57.2	92	18	82-132/29
98-06-6	tert-Butylbenzene	ND		62.7	67.6	108	57.1	92	17	79-130/29
108-90-7	Chlorobenzene	ND		62.7	65.2	104	55.4	89	16	83-122/23
75-00-3	Chloroethane	ND		62.7	64.9	104	51.2	82	24	61-153/31
67-66-3	Chloroform	ND		62.7	66.7	106	56.7	91	16	79-129/27
544-10-5	1-Chlorohexane	ND		62.7	69.3	111	57.6	93	18	85-137/29
95-49-8	o-Chlorotoluene	ND		62.7	66.8	107	56.6	91	17	77-123/31
106-43-4	p-Chlorotoluene	ND		62.7	67.3	107	57.1	92	16	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		314	233	74	197	63	17	52-142/25
75-15-0	Carbon disulfide	ND		62.7	65.7	105	54.3	87	19	61-142/27
56-23-5	Carbon tetrachloride	ND		62.7	68.7	110	57.7	93	17	79-135/29
75-34-3	1,1-Dichloroethane	ND		62.7	66.1	105	55.9	90	17	77-132/26
75-35-4	1,1-Dichloroethylene	ND		62.7	60.5	96	49.8	80	19	66-132/27
563-58-6	1,1-Dichloropropene	ND		62.7	67.8	108	56.5	91	18	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		62.7	42.9	68	38.3	62*	11	67-129/29
106-93-4	1,2-Dibromoethane	ND		62.7	51.9	83	44.9	72*	14	77-126/24
107-06-2	1,2-Dichloroethane	ND		62.7	59.5	95	51.8	83	14	78-129/24
78-87-5	1,2-Dichloropropane	ND		62.7	62.4	100	54.3	87	14	74-127/27
142-28-9	1,3-Dichloropropane	ND		62.7	53.7	86	47.2	76*	13	78-118/26
594-20-7	2,2-Dichloropropane	ND		62.7	69.1	110	57.3	92	19	80-137/28
124-48-1	Dibromochloromethane	ND		62.7	55.5	89	48.2	77*	14	78-117/27
75-71-8	Dichlorodifluoromethane	ND		62.7	53.6	85	43.9	71	20	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		62.7	60.3	96	51.8	83	15	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		62.7	62.2	99	54.1	87	14	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F52006
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52006-1MS	F023120.D	1	08/31/07	WJ	n/a	n/a	VF441
F52006-1MSD	F023121.D	1	08/31/07	WJ	n/a	n/a	VF441
F52006-1	F023119.D	1	08/31/07	WJ	n/a	n/a	VF441

The QC reported here applies to the following samples: **Method:** SW846 8260B

F52006-1, F52006-2, F52006-3, F52006-4, F52006-5

CAS No.	Compound	F52006-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		62.7	49.1	78	43.4	70*	12	71-126/28
541-73-1	m-Dichlorobenzene	ND		62.7	65.8	105	56.1	90	16	82-126/29
95-50-1	o-Dichlorobenzene	ND		62.7	63.3	101	54.7	88	15	83-123/28
106-46-7	p-Dichlorobenzene	ND		62.7	65.3	104	55.7	90	16	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		62.7	65.9	105	55.2	89	18	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		62.7	61.0	97	53.3	86*	13	87-131/27
100-41-4	Ethylbenzene	ND		62.7	66.0	105	55.5	89	17	82-124/25
97-63-2	Ethyl methacrylate	ND		62.7	47.9	76*	42.9	69*	11	78-118/30
76-13-1	Freon 113	ND		62.7	61.6	98	49.6	80	22	62-147/29
591-78-6	2-Hexanone	ND		314	202	64*	187	60*	8	67-130/29
87-68-3	Hexachlorobutadiene	ND		62.7	70.0	112	57.6	93	19	77-150/36
110-54-3	Hexane	ND		62.7	52.5	84	44.5	72	16	65-147/27
98-82-8	Isopropylbenzene	ND		62.7	70.8	113	58.8	94	19	82-133/27
99-87-6	p-Isopropyltoluene	ND		62.7	68.0	108	57.1	92	17	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		314	214	68*	195	63*	9	69-125/24
126-98-7	Methacrylonitrile	ND		627	463	74	415	67*	11	70-138/22
74-83-9	Methyl bromide	ND		62.7	83.9	134	67.8	109	21	60-146/31
74-87-3	Methyl chloride	ND		62.7	81.2	130	66.4	107	20	58-163/26
74-88-4	Methyl iodide	ND		62.7	62.1	99	52.4	84	17	66-128/27
80-62-6	Methyl methacrylate	ND		62.7	44.8	71*	40.5	65*	10	73-125/24
74-95-3	Methylene bromide	ND		62.7	55.9	89	48.6	78	14	75-128/26
75-09-2	Methylene chloride	9.6	J	62.7	69.3	95	56.7	76	20	62-140/25
78-93-3	Methyl ethyl ketone	ND		314	185	59*	170	55*	8	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		62.7	51.4	82	45.9	74	11	70-131/25
91-20-3	Naphthalene	3.4	J	62.7	49.1	73	43.1	64	13	59-143/31
76-01-7	Pentachloroethane	ND		62.7	58.0	93	48.6	78	18	64-156/37
107-12-0	Propionitrile	ND		627	387	62*	360	58*	7	73-133/23
103-65-1	n-Propylbenzene	ND		62.7	68.2	109	57.0	92	18	78-129/29
100-42-5	Styrene	ND		62.7	63.0	100	54.0	87	15	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		62.7	63.1	101	54.0	87	16	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		62.7	70.8	113	58.4	94	19	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		62.7	48.1	77	42.8	69*	12	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		62.7	53.8	86	46.5	75*	15	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		62.7	62.1	99	53.4	86	15	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		62.7	47.3	75	40.9	66*	15	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		62.7	65.3	104	55.3	89	17	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F52006
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52006-1MS	F023120.D	1	08/31/07	WJ	n/a	n/a	VF441
F52006-1MSD	F023121.D	1	08/31/07	WJ	n/a	n/a	VF441
F52006-1	F023119.D	1	08/31/07	WJ	n/a	n/a	VF441

The QC reported here applies to the following samples: **Method:** SW846 8260B

F52006-1, F52006-2, F52006-3, F52006-4, F52006-5

CAS No.	Compound	F52006-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		62.7	64.9	104	55.0	88	17	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		62.7	66.6	106	56.0	90	17	79-129/31
127-18-4	Tetrachloroethylene	ND		62.7	72.5	116	60.7	98	18	79-132/27
108-88-3	Toluene	ND		62.7	64.3	103	54.4	87	17	80-123/26
79-01-6	Trichloroethylene	ND		62.7	67.4	107	56.5	91	18	78-132/28
75-69-4	Trichlorofluoromethane	ND		62.7	72.3	115	56.5	91	25	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		62.7	49.8	79	44.1	71*	12	74-138/30
75-01-4	Vinyl chloride	ND		62.7	77.7	124	65.1	105	18	60-145/29
108-05-4	Vinyl Acetate	ND		314	166	53	146	47	13	25-164/35
	m,p-Xylene	ND		125	135	108	113	91	18	82-128/25
95-47-6	o-Xylene	ND		62.7	66.4	106	56.0	90	17	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F52006-1	Limits
1868-53-7	Dibromofluoromethane	100%	100%	105%	80-121%
2037-26-5	Toluene-D8	99%	99%	96%	71-130%
460-00-4	4-Bromofluorobenzene	96%	99%	101%	59-148%
17060-07-0	1,2-Dichloroethane-D4	89%	93%	107%	77-123%

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F52006
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3319-MB	CD079803.D	1	08/28/07	MM	n/a	n/a	GCD3319

The QC reported here applies to the following samples: **Method:** SW846 8015

F52006-1, F52006-2, F52006-3, F52006-4

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	93%	56-136%
98-08-8	aaa-Trifluorotoluene	84%	61-121%

Blank Spike Summary

Job Number: F52006
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3319-BS	CD079802.D	1	08/28/07	MM	n/a	n/a	GCD3319

The QC reported here applies to the following samples: **Method:** SW846 8015

F52006-1, F52006-2, F52006-3, F52006-4

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	19.5	98	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	97%	56-136%
98-08-8	aaa-Trifluorotoluene	107%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F52006
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52039-5MS	CD079830.D	1	08/28/07	MM	n/a	n/a	GCD3319
F52039-5MSD	CD079831.D	1	08/28/07	MM	n/a	n/a	GCD3319
F52039-5	CD079829.D	1	08/28/07	MM	n/a	n/a	GCD3319

The QC reported here applies to the following samples: **Method:** SW846 8015

F52006-1, F52006-2, F52006-3, F52006-4

CAS No.	Compound	F52039-5 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		31.4	27.3	87	29.0	92	6	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F52039-5	Limits
460-00-4	4-Bromofluorobenzene	102%	106%	89%	56-136%
98-08-8	aaa-Trifluorotoluene	98%	100%	85%	61-121%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

09/17/08

Technical Report for

Bhate Environmental Associates, Inc.

HOLMN

PROJECT # 9050361 01.02

Accutest Job Number: F52038

Sampling Date: 08/23/07

Report to:

Bhate Environmental Associates, Inc.

jmoore@bhate.com

ATTN: Jim Moore

Total number of pages in report: **86**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Sections: 1 2 3 4

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **7**
3.1: F52038-1: SS61-DP80-10 8
3.2: F52038-2: SS61-DP80-20 17
3.3: F52038-3: SS61-DP81-15 26
3.4: F52038-4: SS61-DP81-22 35
3.5: F52038-5: SS61-DP82-10 44
3.6: F52038-6: SS61-DP82-22 53
3.7: F52038-7: SS61-DP83-15 62
3.8: F52038-8: SS61-DP83-22 71
3.9: F52038-9: 08232007-TB 80
Section 4: Misc. Forms **83**
4.1: Certification Exceptions 84
4.2: Chain of Custody 85

Sample Summary

Bhate Environmental Associates, Inc.

Job No: F52038

HOLMN
Project No: PROJECT # 9050361 01.02

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F52038-1	08/23/07	00:00	CM	08/24/07	SO	Soil	SS61-DP80-10
F52038-2	08/23/07	00:00	CM	08/24/07	SO	Soil	SS61-DP80-20
F52038-3	08/23/07	00:00	CM	08/24/07	SO	Soil	SS61-DP81-15
F52038-4	08/23/07	00:00	CM	08/24/07	SO	Soil	SS61-DP81-22
F52038-5	08/23/07	00:00	CM	08/24/07	SO	Soil	SS61-DP82-10
F52038-6	08/23/07	00:00	CM	08/24/07	SO	Soil	SS61-DP82-22
F52038-7	08/23/07	00:00	CM	08/24/07	SO	Soil	SS61-DP83-15
F52038-8	08/23/07	00:00	CM	08/24/07	SO	Soil	SS61-DP83-22
F52038-9	08/23/07	00:00	CM	08/24/07	SO	Trip Blank Soil	08232007-TB

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Bhate Environmental Associates, Inc. **Job No:** F52038

Site: HOLMN **Report Date** 9/19/2007 10:42:28

8 Samples, 1 Trip Blank were collected on 08/23/2007 and received at Accutest on 08/24/2007 properly preserved, at 2.6 Deg. C and intact. These Samples received an Accutest job number of F52038. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VF441

All samples were analyzed within the recommended method holding time.

Sample(s) F52006-1MS, F52006-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Matrix Spike Recovery(s) for 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Acetonitrile, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Methyl methacrylate, Propionitrile are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,2,3-Trichloropropane, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, 1,3-Dichloropropane, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Acetonitrile, Benzyl Chloride, cis-1,4-Dichloro-2-Butene, Dibromochloromethane, Ethyl methacrylate, Methacrylonitrile, Methyl ethyl ketone, Methyl methacrylate, Propionitrile, trans-1,3-Dichloropropene, Trans-1,4-Dichloro-2-Butene are outside control limits. Probable cause due to matrix interference. For method performance in clean matrix refer to Blank Spike.

Sample(s) F52031-2MSD, F52031-2MS have surrogates outside control limits. Probable cause due to matrix interference.

F52038-1 for Acetone: CCV outside of control limits; results may be biased high.

Matrix: SO **Batch ID:** VF442

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F52031-2MS, F52031-2MSD were used as the QC samples indicated.

Matrix Spike Recovery(s) for 1,1,2,2-Tetrachloroethane, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromo-3-chloropropane, Acetone, Benzyl Chloride, cis-1,4-Dichloro-2-Butene, Hexachlorobutadiene, Hexane, m-Dichlorobenzene, Methacrylonitrile, Methyl ethyl ketone, n-Butylbenzene, Naphthalene, o-Dichlorobenzene, p-Isopropyltoluene, Pentachloroethane, Propionitrile, Tetrachloroethylene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, Acetone, Benzyl Chloride, cis-1,4-Dichloro-2-Butene, Hexachlorobutadiene, Hexane, Isopropylbenzene, m-Dichlorobenzene, Methacrylonitrile, Methyl ethyl ketone, Methyl methacrylate, n-Butylbenzene, Naphthalene, o-Dichlorobenzene, p-Dichlorobenzene, p-Isopropyltoluene, Pentachloroethane, Propionitrile, tert-Butylbenzene, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference. For method performance in clean matrix refer to Blank Spike.

RPD(s) for MSD for 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, Acrolein, Benzyl Chloride, cis-1,4-Dichloro-2-Butene, Hexachlorobutadiene, Methyl methacrylate, n-Butylbenzene, Naphthalene, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits for sample F52031-2MSD. Probable cause due to sample homogeneity.

Sample(s) F52031-2MSD, F52031-2MS have surrogates outside control limits. Probable cause due to matrix interference.

F52031-2MS for 4-Bromofluorobenzene: Outside control limits due to matrix interference. Confirmed by reanalysis.

Matrix: SO **Batch ID:** VF443

All samples were analyzed within the recommended method holding time.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VF443

Sample(s) F52038-5MS, F52038-5MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for 2-Chloroethyl vinyl ether are outside control limits. Biased high, not detected in the samples, data

integrity not adversely affected.

Matrix Spike Recovery(s) for 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,2,3-Trichloropropane, 1,2-Dibromoethane, 1,3-Dichloropropane, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Acrylonitrile, Benzyl Chloride, Ethyl methacrylate, Methacrylonitrile, Methyl ethyl ketone, Propionitrile, Trans-1,4-Dichloro-2-Butene are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,2,3-Trichloropropane, 4-Methyl-2-pentanone, Acetone, Acetonitrile, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Propionitrile are outside control limits. Probable cause due to matrix interference. For method performance in clean matrix refer to Blank Spike.

Sample(s) F52031-2MSD, F52031-2MS have surrogates outside control limits. Probable cause due to matrix interference.

Extractables by GCMS By Method SW846 8270C

Matrix: SO **Batch ID:** OP22233

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F52102-3MS, F52102-3MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

MS/MSD Recovery(s) for 2,4-Dinitrophenol, 4,6-Dinitro-o-cresol, Benzidine, Benzoic acid are outside control limits. Probable cause due to matrix interference. See Blank Spike.

Sample(s) F52038-1 have surrogates outside control limits. Probable cause due to matrix interference.

F52038-1: Confirmation run.

OP22233-BS for bis(2-Chloroethoxy)methane: Spike recoveries corrected for actual spike amount.

OP22233-MS for bis(2-Chloroethoxy)methane: Spike recoveries corrected for actual spike amount.

F52038-1 for Phenol-d5: Outside control limits due to matrix interference. Confirmed by reanalysis.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GUV1635

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F52039-6MS, F52039-6MSD were used as the QC samples indicated.

Sample(s) F52038-1, F52038-5, F52039-6MS, F52039-6MSD have surrogates outside control limits. Probable cause due to matrix interference.

F52039-6MS for aaa-Trifluorotoluene: Outside control limits due to matrix interference.

F52038-1 for 4-Bromofluorobenzene: Outside control limits due to matrix interference.

F52039-6MS for 4-Bromofluorobenzene: Outside control limits due to matrix interference.

F52039-6MS for 4-Bromofluorobenzene: Result reported from PID.

F52039-6MS for aaa-Trifluorotoluene: Result reported from PID.

F52039-6MSD for 4-Bromofluorobenzene: Outside control limits due to matrix interference.

F52039-6MSD for aaa-Trifluorotoluene: Outside control limits due to matrix interference.

F52039-6MSD for 4-Bromofluorobenzene: Result reported from PID.

F52039-6MSD for aaa-Trifluorotoluene: Result reported from PID.

F52038-5 for 4-Bromofluorobenzene: Outside control limits due to matrix interference.

F52038-5 for 4-Bromofluorobenzene: Result reported from PID.

F52038-1 for 4-Bromofluorobenzene: Result reported from PID.

Extractables by GC By Method SW846 8015 M

Matrix: SO **Batch ID:** OP22227

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F52038-1MS, F52038-1MSD were used as the QC samples indicated.

MS/MSD Recovery(s) for TPH (>C22-C36) are outside control limits. Probable cause due to matrix interference.

Matrix Spike Recovery(s) for TPH (C10-C22) are outside control limits. Outside control limits due to high level in sample relative to spike amount.

Sample(s) OP22227-MS, OP22227-MSD have surrogates outside control limits. Probable cause due to matrix interference.

OP22227-MS for o-Terphenyl: Outside control limits due to dilution.

OP22227-MSD for o-Terphenyl: Outside control limits due to dilution.

Metals By Method SW846 6010B

Matrix: SO **Batch ID:** MP12879

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F52038-1DUP, F52038-1MS, F52038-1MSD, F52038-1SDL were used as the QC samples for metals.

MS/MSD Recovery(s) for Lead are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

RPD(s) for Duplicate for Lead, Arsenic are outside control limits for sample MP12879-D1. High RPD due to possible sample nonhomogeneity.

RPD(s) for Serial Dilution for Arsenic, Cadmium, Chromium, Lead are outside control limits for sample MP12879-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

F52038-3 for Selenium: Elevated reporting limit(s) due to matrix interference.

F52038-8 for Selenium: Elevated reporting limit(s) due to matrix interference.

F52038-7 for Selenium: Elevated reporting limit(s) due to matrix interference.

F52038-6 for Selenium: Elevated reporting limit(s) due to matrix interference.

F52038-4 for Selenium: Elevated reporting limit(s) due to matrix interference.

F52038-2 for Selenium: Elevated reporting limit(s) due to matrix interference.

MP12879-SD1 for Lead: Serial dilution indicates possible matrix interference.

MP12879-D1 for Arsenic: RPD acceptable due to low duplicate and sample concentrations.

F52038-1 for Selenium: Elevated reporting limit(s) due to matrix interference.

F52038-5 for Selenium: Elevated reporting limit(s) due to matrix interference.

Metals By Method SW846 7471A

Matrix: SO **Batch ID:** MP12839

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F52038-1DUP, F52038-1MS, F52038-1MSD, F52038-1SDL were used as the QC samples for metals.

Wet Chemistry By Method EPA 160.3 M

Matrix: SO **Batch ID:** GN27181

Sample(s) F52031-1DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: September 19, 2007

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-DP80-10		
Lab Sample ID:	F52038-1	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	79.8
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F023129.D	1	08/31/07	WJ	08/24/07 13:45	n/a	VF441
Run #2							

	Initial Weight
Run #1	5.58 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	270	56	28	ug/kg	J
75-05-8	Acetonitrile	ND	56	19	ug/kg	
107-02-8	Acrolein	ND	28	12	ug/kg	
107-13-1	Acrylonitrile	ND	28	8.9	ug/kg	
107-05-1	Allyl chloride	ND	28	5.6	ug/kg	
71-43-2	Benzene	ND	5.6	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.6	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.6	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.6	1.1	ug/kg	
75-27-4	Bromodichloromethane	ND	5.6	1.1	ug/kg	
75-25-2	Bromoform	ND	5.6	1.1	ug/kg	
104-51-8	n-Butylbenzene	ND	5.6	1.1	ug/kg	
135-98-8	sec-Butylbenzene	3.8	5.6	1.2	ug/kg	J
98-06-6	tert-Butylbenzene	ND	5.6	1.3	ug/kg	
108-90-7	Chlorobenzene	ND	5.6	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.6	2.9	ug/kg	
67-66-3	Chloroform	ND	5.6	1.1	ug/kg	
544-10-5	1-Chlorohexane	ND	5.6	1.1	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.6	1.3	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.6	1.2	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	28	5.6	ug/kg	
75-15-0	Carbon disulfide	2.5	5.6	1.1	ug/kg	J
56-23-5	Carbon tetrachloride	ND	5.6	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.6	1.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.6	1.1	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.6	1.1	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.6	2.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.6	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.6	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.6	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.6	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.6	1.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP80-10		
Lab Sample ID:	F52038-1	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	79.8
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.6	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.6	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.6	1.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.6	1.1	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	28	5.6	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.6	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.6	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.6	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.6	1.1	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.6	1.1	ug/kg	
100-41-4	Ethylbenzene	13.6	5.6	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	28	5.6	ug/kg	
76-13-1	Freon 113	ND	5.6	1.5	ug/kg	
591-78-6	2-Hexanone	ND	28	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.6	1.8	ug/kg	
110-54-3	Hexane	ND	5.6	2.0	ug/kg	
98-82-8	Isopropylbenzene	114	5.6	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.6	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	28	11	ug/kg	
126-98-7	Methacrylonitrile	ND	28	5.6	ug/kg	
74-83-9	Methyl bromide	ND	5.6	2.0	ug/kg	
74-87-3	Methyl chloride	ND	5.6	2.2	ug/kg	
74-88-4	Methyl iodide	ND	11	2.2	ug/kg	
80-62-6	Methyl methacrylate	ND	28	5.6	ug/kg	
74-95-3	Methylene bromide	ND	5.6	1.1	ug/kg	
75-09-2	Methylene chloride	6.5	11	5.6	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	28	11	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.6	1.1	ug/kg	
91-20-3	Naphthalene	ND	5.6	2.2	ug/kg	
76-01-7	Pentachloroethane	ND	28	5.6	ug/kg	
107-12-0	Propionitrile	ND	56	11	ug/kg	
103-65-1	n-Propylbenzene	2.9	5.6	1.2	ug/kg	J
100-42-5	Styrene	ND	5.6	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.6	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.6	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.6	1.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.6	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.6	2.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.6	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	1.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP80-10		
Lab Sample ID:	F52038-1	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	79.8
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	9.0	5.6	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	15.2	5.6	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.6	1.1	ug/kg	
108-88-3	Toluene	ND	5.6	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.6	1.1	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.6	1.8	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	28	5.6	ug/kg	
75-01-4	Vinyl chloride	ND	5.6	1.6	ug/kg	
108-05-4	Vinyl Acetate	ND	28	5.6	ug/kg	
	m,p-Xylene	3.6	11	1.2	ug/kg	J
95-47-6	o-Xylene	ND	5.6	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		80-121%
2037-26-5	Toluene-D8	94%		71-130%
460-00-4	4-Bromofluorobenzene	107%		59-148%
17060-07-0	1,2-Dichloroethane-D4	114%		77-123%

(a) CCV outside of control limits; results may be biased high.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP80-10		
Lab Sample ID:	F52038-1	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	79.8
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R10626.D	1	09/15/07	NJ	09/06/07	OP22233	SR496
Run #2 [a]	R10627.D	4	09/15/07	NJ	09/06/07	OP22233	SR496

	Initial Weight	Final Volume
Run #1	29.7 g	1.0 ml
Run #2	29.7 g	1.0 ml

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	1100	420	ug/kg	
95-57-8	2-Chlorophenol	ND	210	42	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	210	42	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	210	42	ug/kg	
105-67-9	2,4-Dimethylphenol	271	210	42	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1100	420	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	420	84	ug/kg	
95-48-7	2-Methylphenol	ND	210	42	ug/kg	
	3&4-Methylphenol	ND	210	42	ug/kg	
88-75-5	2-Nitrophenol	ND	210	42	ug/kg	
100-02-7	4-Nitrophenol	ND	1100	420	ug/kg	
87-86-5	Pentachlorophenol	ND	1100	420	ug/kg	
108-95-2	Phenol	ND	210	42	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	210	42	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	210	42	ug/kg	
83-32-9	Acenaphthene	ND	210	42	ug/kg	
208-96-8	Acenaphthylene	ND	210	42	ug/kg	
120-12-7	Anthracene	ND	210	42	ug/kg	
92-87-5	Benzidine	ND	2100	1100	ug/kg	
56-55-3	Benzo(a)anthracene	ND	210	42	ug/kg	
50-32-8	Benzo(a)pyrene	ND	210	42	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	210	42	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	210	42	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	210	42	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	210	42	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	420	110	ug/kg	
100-51-6	Benzyl Alcohol	ND	210	42	ug/kg	
91-58-7	2-Chloronaphthalene	ND	210	42	ug/kg	
106-47-8	4-Chloroaniline	ND	210	84	ug/kg	
218-01-9	Chrysene	ND	210	42	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	210	42	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	210	42	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP80-10		
Lab Sample ID:	F52038-1	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	79.8
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	210	42	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	210	42	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	210	42	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	210	42	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	210	42	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	210	42	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	210	42	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	420	84	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	210	42	ug/kg	
132-64-9	Dibenzofuran	ND	210	42	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	420	110	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	420	110	ug/kg	
84-66-2	Diethyl phthalate	ND	420	210	ug/kg	
131-11-3	Dimethyl phthalate	ND	420	110	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	420	210	ug/kg	
206-44-0	Fluoranthene	ND	210	42	ug/kg	
86-73-7	Fluorene	ND	210	42	ug/kg	
118-74-1	Hexachlorobenzene	ND	210	42	ug/kg	
87-68-3	Hexachlorobutadiene	ND	210	42	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	210	42	ug/kg	
67-72-1	Hexachloroethane	ND	210	42	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	210	42	ug/kg	
78-59-1	Isophorone	ND	210	42	ug/kg	
91-57-6	2-Methylnaphthalene	119	210	42	ug/kg	J
88-74-4	2-Nitroaniline	ND	420	84	ug/kg	
99-09-2	3-Nitroaniline	ND	420	84	ug/kg	
100-01-6	4-Nitroaniline	ND	420	84	ug/kg	
91-20-3	Naphthalene	368	210	42	ug/kg	
98-95-3	Nitrobenzene	ND	210	42	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	210	42	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	210	42	ug/kg	
85-01-8	Phenanthrene	ND	210	42	ug/kg	
129-00-0	Pyrene	ND	210	42	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	210	42	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	89%	87%	40-102%
4165-62-2	Phenol-d5	124% [b]	134%	41-100%
118-79-6	2,4,6-Tribromophenol	93%	94%	42-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP80-10		
Lab Sample ID:	F52038-1	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	79.8
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	85%	86%	40-105%
321-60-8	2-Fluorobiphenyl	85%	85%	43-107%
1718-51-0	Terphenyl-d14	91%	86%	45-119%

(a) Confirmation run.
(b) Outside control limits due to matrix interference. Confirmed by reanalysis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP80-10		
Lab Sample ID:	F52038-1	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	79.8
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV028389.D	1	08/29/07	MM	08/24/07 13:45	n/a	GUV1635
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.79 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	43.9	6.7	3.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	117% [a]		56-136%
460-00-4	4-Bromofluorobenzene	400% [b]		56-136%
98-08-8	aaa-Trifluorotoluene	116%		61-121%

(a) Result reported from PID.
(b) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP80-10		
Lab Sample ID:	F52038-1	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	79.8
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL18541.D	10	09/10/07	MG	09/06/07	OP22227	GLL659
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	771	100	61	mg/kg	
	TPH (> C22-C36)	ND	100	61	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	83%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SS61-DP80-10
Lab Sample ID: F52038-1
Matrix: SO - Soil
Project: HOLMN

Date Sampled: 08/23/07
Date Received: 08/24/07
Percent Solids: 79.8

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.52	0.49	0.24	mg/kg	1	09/06/07	09/06/07	RS	SW846 6010B [2]	SW846 3050B [4]
Barium	30.6	12	0.30	mg/kg	1	09/06/07	09/06/07	RS	SW846 6010B [2]	SW846 3050B [4]
Cadmium	0.082 J	0.24	0.061	mg/kg	1	09/06/07	09/06/07	RS	SW846 6010B [2]	SW846 3050B [4]
Chromium	2.6	0.61	0.085	mg/kg	1	09/06/07	09/06/07	RS	SW846 6010B [2]	SW846 3050B [4]
Lead	95.0	6.1	0.15	mg/kg	1	09/06/07	09/06/07	RS	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.012 U	0.096	0.012	mg/kg	1	08/29/07	08/29/07	LM	SW846 7471A [1]	SW846 7471A [3]
Selenium [a]	27 U	31	27	mg/kg	1	09/06/07	09/06/07	RS	SW846 6010B [2]	SW846 3050B [4]
Silver	0.085 U	0.61	0.085	mg/kg	1	09/06/07	09/06/07	RS	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA5943
(2) Instrument QC Batch: MA5957
(3) Prep QC Batch: MP12839
(4) Prep QC Batch: MP12879

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-DP80-20		
Lab Sample ID:	F52038-2	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.7
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F023180.D	1	09/05/07	WJ	08/24/07 13:45	n/a	VF443
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.15 g	5.0 ml	2.0 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	180000	88000	ug/kg	
75-05-8	Acetonitrile	ND	180000	60000	ug/kg	
107-02-8	Acrolein	ND	88000	39000	ug/kg	
107-13-1	Acrylonitrile	ND	88000	28000	ug/kg	
107-05-1	Allyl chloride	ND	88000	18000	ug/kg	
71-43-2	Benzene	65000	18000	3500	ug/kg	
100-44-7	Benzyl Chloride	ND	18000	3500	ug/kg	
108-86-1	Bromobenzene	ND	18000	3500	ug/kg	
74-97-5	Bromochloromethane	ND	18000	3500	ug/kg	
75-27-4	Bromodichloromethane	ND	18000	3500	ug/kg	
75-25-2	Bromoform	ND	18000	3500	ug/kg	
104-51-8	n-Butylbenzene	ND	18000	3500	ug/kg	
135-98-8	sec-Butylbenzene	ND	18000	3900	ug/kg	
98-06-6	tert-Butylbenzene	ND	18000	4200	ug/kg	
108-90-7	Chlorobenzene	ND	18000	3500	ug/kg	
75-00-3	Chloroethane	ND	18000	9200	ug/kg	
67-66-3	Chloroform	ND	18000	3500	ug/kg	
544-10-5	1-Chlorohexane	ND	18000	3500	ug/kg	
95-49-8	o-Chlorotoluene	ND	18000	4200	ug/kg	
106-43-4	p-Chlorotoluene	ND	18000	3900	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	88000	18000	ug/kg	
75-15-0	Carbon disulfide	ND	18000	3500	ug/kg	
56-23-5	Carbon tetrachloride	ND	18000	4600	ug/kg	
75-34-3	1,1-Dichloroethane	ND	18000	3900	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	18000	3500	ug/kg	
563-58-6	1,1-Dichloropropene	ND	18000	3500	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	18000	7800	ug/kg	
106-93-4	1,2-Dibromoethane	ND	18000	3500	ug/kg	
107-06-2	1,2-Dichloroethane	ND	18000	3500	ug/kg	
78-87-5	1,2-Dichloropropane	ND	18000	4600	ug/kg	
142-28-9	1,3-Dichloropropane	ND	18000	3500	ug/kg	
594-20-7	2,2-Dichloropropane	ND	18000	4200	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP80-20		
Lab Sample ID:	F52038-2	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.7
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	18000	3500	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	18000	7100	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	18000	3500	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	18000	3500	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	88000	18000	ug/kg	
541-73-1	m-Dichlorobenzene	ND	18000	3500	ug/kg	
95-50-1	o-Dichlorobenzene	ND	18000	3500	ug/kg	
106-46-7	p-Dichlorobenzene	ND	18000	3500	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	18000	3500	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	18000	3500	ug/kg	
100-41-4	Ethylbenzene	70900	18000	3500	ug/kg	
97-63-2	Ethyl methacrylate	ND	88000	18000	ug/kg	
76-13-1	Freon 113	ND	18000	4600	ug/kg	
591-78-6	2-Hexanone	ND	88000	35000	ug/kg	
87-68-3	Hexachlorobutadiene	ND	18000	5600	ug/kg	
110-54-3	Hexane	68600	18000	6400	ug/kg	
98-82-8	Isopropylbenzene	162000	18000	3500	ug/kg	
99-87-6	p-Isopropyltoluene	ND	18000	3500	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	88000	35000	ug/kg	
126-98-7	Methacrylonitrile	ND	88000	18000	ug/kg	
74-83-9	Methyl bromide	ND	18000	6400	ug/kg	
74-87-3	Methyl chloride	ND	18000	7100	ug/kg	
74-88-4	Methyl iodide	ND	35000	7100	ug/kg	
80-62-6	Methyl methacrylate	ND	88000	18000	ug/kg	
74-95-3	Methylene bromide	ND	18000	3500	ug/kg	
75-09-2	Methylene chloride	ND	35000	18000	ug/kg	
78-93-3	Methyl ethyl ketone	ND	88000	35000	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	18000	3500	ug/kg	
91-20-3	Naphthalene	ND	18000	7100	ug/kg	
76-01-7	Pentachloroethane	ND	88000	18000	ug/kg	
107-12-0	Propionitrile	ND	180000	35000	ug/kg	
103-65-1	n-Propylbenzene	13300	18000	3900	ug/kg	J
100-42-5	Styrene	ND	18000	3500	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	18000	3500	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	18000	3500	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	18000	4600	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	18000	3500	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	18000	7100	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	18000	6700	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	18000	3900	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP80-20		
Lab Sample ID:	F52038-2	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.7
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	91000	18000	3900	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	48300	18000	3500	ug/kg	
127-18-4	Tetrachloroethylene	ND	18000	3500	ug/kg	
108-88-3	Toluene	9660	18000	3500	ug/kg	J
79-01-6	Trichloroethylene	ND	18000	3500	ug/kg	
75-69-4	Trichlorofluoromethane	ND	18000	5600	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	88000	18000	ug/kg	
75-01-4	Vinyl chloride	ND	18000	4900	ug/kg	
108-05-4	Vinyl Acetate	ND	88000	18000	ug/kg	
	m,p-Xylene	104000	35000	3900	ug/kg	
95-47-6	o-Xylene	11500	18000	3500	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		80-121%
2037-26-5	Toluene-D8	95%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	114%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP80-20		
Lab Sample ID:	F52038-2	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	81.7
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R10581.D	1	09/13/07	NJ	09/06/07	OP22233	SR494
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	1000	400	ug/kg	
95-57-8	2-Chlorophenol	ND	200	40	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	200	40	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	200	40	ug/kg	
105-67-9	2,4-Dimethylphenol	73.9	200	40	ug/kg	J
51-28-5	2,4-Dinitrophenol	ND	1000	400	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	400	80	ug/kg	
95-48-7	2-Methylphenol	ND	200	40	ug/kg	
	3&4-Methylphenol	ND	200	40	ug/kg	
88-75-5	2-Nitrophenol	ND	200	40	ug/kg	
100-02-7	4-Nitrophenol	ND	1000	400	ug/kg	
87-86-5	Pentachlorophenol	ND	1000	400	ug/kg	
108-95-2	Phenol	787	200	40	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	40	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	40	ug/kg	
83-32-9	Acenaphthene	ND	200	40	ug/kg	
208-96-8	Acenaphthylene	ND	200	40	ug/kg	
120-12-7	Anthracene	ND	200	40	ug/kg	
92-87-5	Benzidine	ND	2000	1000	ug/kg	
56-55-3	Benzo(a)anthracene	ND	200	40	ug/kg	
50-32-8	Benzo(a)pyrene	ND	200	40	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	200	40	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	200	40	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	200	40	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	200	40	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	400	100	ug/kg	
100-51-6	Benzyl Alcohol	ND	200	40	ug/kg	
91-58-7	2-Chloronaphthalene	ND	200	40	ug/kg	
106-47-8	4-Chloroaniline	ND	200	80	ug/kg	
218-01-9	Chrysene	ND	200	40	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	200	40	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	200	40	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP80-20		
Lab Sample ID:	F52038-2	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	81.7
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	200	40	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	200	40	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	200	40	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	200	40	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	200	40	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	200	40	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	200	40	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	400	80	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	200	40	ug/kg	
132-64-9	Dibenzofuran	ND	200	40	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	400	100	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	400	100	ug/kg	
84-66-2	Diethyl phthalate	ND	400	200	ug/kg	
131-11-3	Dimethyl phthalate	ND	400	100	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	400	200	ug/kg	
206-44-0	Fluoranthene	ND	200	40	ug/kg	
86-73-7	Fluorene	ND	200	40	ug/kg	
118-74-1	Hexachlorobenzene	ND	200	40	ug/kg	
87-68-3	Hexachlorobutadiene	ND	200	40	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	200	40	ug/kg	
67-72-1	Hexachloroethane	ND	200	40	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	200	40	ug/kg	
78-59-1	Isophorone	ND	200	40	ug/kg	
91-57-6	2-Methylnaphthalene	ND	200	40	ug/kg	
88-74-4	2-Nitroaniline	ND	400	80	ug/kg	
99-09-2	3-Nitroaniline	ND	400	80	ug/kg	
100-01-6	4-Nitroaniline	ND	400	80	ug/kg	
91-20-3	Naphthalene	ND	200	40	ug/kg	
98-95-3	Nitrobenzene	ND	200	40	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	200	40	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	40	ug/kg	
85-01-8	Phenanthrene	ND	200	40	ug/kg	
129-00-0	Pyrene	ND	200	40	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	200	40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	74%		40-102%
4165-62-2	Phenol-d5	87%		41-100%
118-79-6	2,4,6-Tribromophenol	76%		42-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP80-20		
Lab Sample ID:	F52038-2	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	81.7
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	71%		40-105%
321-60-8	2-Fluorobiphenyl	69%		43-107%
1718-51-0	Terphenyl-d14	76%		45-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP80-20		
Lab Sample ID:	F52038-2	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	81.7
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV028390.D	10	08/29/07	MM	08/24/07 13:45	n/a	GUV1635
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.07 g	5.0 ml	5.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	6090	1200	620	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	118%		56-136%
98-08-8	aaa-Trifluorotoluene	116%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP80-20		
Lab Sample ID:	F52038-2	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	81.7
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL18542.D	1	09/10/07	MG	09/06/07	OP22227	GLL659
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	21.1	10	6.1	mg/kg	
	TPH (> C22-C36)	ND	10	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	76%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP80-20		
Lab Sample ID:	F52038-2	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
		Percent Solids:	81.7
Project:	HOLMN		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	1.7	0.47	0.23	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]
Barium	89.6	12	0.29	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]
Cadmium	0.25	0.24	0.059	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]
Chromium	8.0	0.59	0.082	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]
Lead	15.5	5.9	0.14	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.85	0.19	0.024	mg/kg	2	08/29/07	08/29/07	LM	SW846 7471A [1]	SW846 7471A [3]
Selenium [a]	13 U	24	13	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]
Silver	0.082 U	0.59	0.082	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA5943
(2) Instrument QC Batch: MA5957
(3) Prep QC Batch: MP12839
(4) Prep QC Batch: MP12879

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-DP81-15		
Lab Sample ID:	F52038-3	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.4
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F023183.D	1	09/05/07	WJ	08/24/07 13:45	n/a	VF443
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.27 g	5.0 ml	1.0 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	300000	150000	ug/kg	
75-05-8	Acetonitrile	ND	300000	100000	ug/kg	
107-02-8	Acrolein	ND	150000	65000	ug/kg	
107-13-1	Acrylonitrile	ND	150000	47000	ug/kg	
107-05-1	Allyl chloride	ND	150000	30000	ug/kg	
71-43-2	Benzene	102000	30000	5900	ug/kg	
100-44-7	Benzyl Chloride	ND	30000	5900	ug/kg	
108-86-1	Bromobenzene	ND	30000	5900	ug/kg	
74-97-5	Bromochloromethane	ND	30000	5900	ug/kg	
75-27-4	Bromodichloromethane	ND	30000	5900	ug/kg	
75-25-2	Bromoform	ND	30000	5900	ug/kg	
104-51-8	n-Butylbenzene	ND	30000	5900	ug/kg	
135-98-8	sec-Butylbenzene	ND	30000	6500	ug/kg	
98-06-6	tert-Butylbenzene	ND	30000	7100	ug/kg	
108-90-7	Chlorobenzene	ND	30000	5900	ug/kg	
75-00-3	Chloroethane	ND	30000	15000	ug/kg	
67-66-3	Chloroform	ND	30000	5900	ug/kg	
544-10-5	1-Chlorohexane	ND	30000	5900	ug/kg	
95-49-8	o-Chlorotoluene	ND	30000	7100	ug/kg	
106-43-4	p-Chlorotoluene	ND	30000	6500	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	150000	30000	ug/kg	
75-15-0	Carbon disulfide	ND	30000	5900	ug/kg	
56-23-5	Carbon tetrachloride	ND	30000	7700	ug/kg	
75-34-3	1,1-Dichloroethane	ND	30000	6500	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	30000	5900	ug/kg	
563-58-6	1,1-Dichloropropene	ND	30000	5900	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	30000	13000	ug/kg	
106-93-4	1,2-Dibromoethane	ND	30000	5900	ug/kg	
107-06-2	1,2-Dichloroethane	ND	30000	5900	ug/kg	
78-87-5	1,2-Dichloropropane	ND	30000	7700	ug/kg	
142-28-9	1,3-Dichloropropane	ND	30000	5900	ug/kg	
594-20-7	2,2-Dichloropropane	ND	30000	7100	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SS61-DP81-15
Lab Sample ID: F52038-3
Matrix: SO - Soil
Method: SW846 8260B SW846 5035
Project: HOLMN

Date Sampled: 08/23/07
Date Received: 08/24/07
Percent Solids: 82.4

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	30000	5900	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	30000	12000	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	30000	5900	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	30000	5900	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	150000	30000	ug/kg	
541-73-1	m-Dichlorobenzene	ND	30000	5900	ug/kg	
95-50-1	o-Dichlorobenzene	ND	30000	5900	ug/kg	
106-46-7	p-Dichlorobenzene	ND	30000	5900	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	30000	5900	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	30000	5900	ug/kg	
100-41-4	Ethylbenzene	127000	30000	5900	ug/kg	
97-63-2	Ethyl methacrylate	ND	150000	30000	ug/kg	
76-13-1	Freon 113	ND	30000	7700	ug/kg	
591-78-6	2-Hexanone	ND	150000	59000	ug/kg	
87-68-3	Hexachlorobutadiene	ND	30000	9500	ug/kg	
110-54-3	Hexane	64100	30000	11000	ug/kg	
98-82-8	Isopropylbenzene	470000	30000	5900	ug/kg	
99-87-6	p-Isopropyltoluene	ND	30000	5900	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	150000	59000	ug/kg	
126-98-7	Methacrylonitrile	ND	150000	30000	ug/kg	
74-83-9	Methyl bromide	ND	30000	11000	ug/kg	
74-87-3	Methyl chloride	ND	30000	12000	ug/kg	
74-88-4	Methyl iodide	ND	59000	12000	ug/kg	
80-62-6	Methyl methacrylate	ND	150000	30000	ug/kg	
74-95-3	Methylene bromide	ND	30000	5900	ug/kg	
75-09-2	Methylene chloride	ND	59000	30000	ug/kg	
78-93-3	Methyl ethyl ketone	ND	150000	59000	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	30000	5900	ug/kg	
91-20-3	Naphthalene	ND	30000	12000	ug/kg	
76-01-7	Pentachloroethane	ND	150000	30000	ug/kg	
107-12-0	Propionitrile	ND	300000	59000	ug/kg	
103-65-1	n-Propylbenzene	25400	30000	6500	ug/kg	J
100-42-5	Styrene	ND	30000	5900	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	30000	5900	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	30000	5900	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	30000	7700	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	30000	5900	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	30000	12000	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	30000	11000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	30000	6500	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP81-15		
Lab Sample ID:	F52038-3	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.4
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	112000	30000	6500	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	92100	30000	5900	ug/kg	
127-18-4	Tetrachloroethylene	ND	30000	5900	ug/kg	
108-88-3	Toluene	ND	30000	5900	ug/kg	
79-01-6	Trichloroethylene	ND	30000	5900	ug/kg	
75-69-4	Trichlorofluoromethane	ND	30000	9500	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	150000	30000	ug/kg	
75-01-4	Vinyl chloride	ND	30000	8300	ug/kg	
108-05-4	Vinyl Acetate	ND	150000	30000	ug/kg	
	m,p-Xylene	71000	59000	6500	ug/kg	
95-47-6	o-Xylene	ND	30000	5900	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		80-121%
2037-26-5	Toluene-D8	95%		71-130%
460-00-4	4-Bromofluorobenzene	101%		59-148%
17060-07-0	1,2-Dichloroethane-D4	117%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP81-15		
Lab Sample ID:	F52038-3	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	82.4
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R10582.D	1	09/13/07	NJ	09/06/07	OP22233	SR494
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	1000	400	ug/kg	
95-57-8	2-Chlorophenol	ND	200	40	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	200	40	ug/kg	
120-83-2	2,4-Dichlorophenol	140	200	40	ug/kg	J
105-67-9	2,4-Dimethylphenol	86.2	200	40	ug/kg	J
51-28-5	2,4-Dinitrophenol	ND	1000	400	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	400	80	ug/kg	
95-48-7	2-Methylphenol	ND	200	40	ug/kg	
	3&4-Methylphenol	ND	200	40	ug/kg	
88-75-5	2-Nitrophenol	ND	200	40	ug/kg	
100-02-7	4-Nitrophenol	ND	1000	400	ug/kg	
87-86-5	Pentachlorophenol	ND	1000	400	ug/kg	
108-95-2	Phenol	909	200	40	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	40	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	40	ug/kg	
83-32-9	Acenaphthene	ND	200	40	ug/kg	
208-96-8	Acenaphthylene	ND	200	40	ug/kg	
120-12-7	Anthracene	ND	200	40	ug/kg	
92-87-5	Benzidine	ND	2000	1000	ug/kg	
56-55-3	Benzo(a)anthracene	ND	200	40	ug/kg	
50-32-8	Benzo(a)pyrene	ND	200	40	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	200	40	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	200	40	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	200	40	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	200	40	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	400	100	ug/kg	
100-51-6	Benzyl Alcohol	ND	200	40	ug/kg	
91-58-7	2-Chloronaphthalene	ND	200	40	ug/kg	
106-47-8	4-Chloroaniline	ND	200	80	ug/kg	
218-01-9	Chrysene	ND	200	40	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	200	40	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	200	40	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP81-15		
Lab Sample ID:	F52038-3	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	82.4
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	200	40	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	200	40	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	200	40	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	200	40	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	200	40	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	200	40	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	200	40	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	400	80	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	200	40	ug/kg	
132-64-9	Dibenzofuran	ND	200	40	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	400	100	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	400	100	ug/kg	
84-66-2	Diethyl phthalate	ND	400	200	ug/kg	
131-11-3	Dimethyl phthalate	ND	400	100	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	400	200	ug/kg	
206-44-0	Fluoranthene	ND	200	40	ug/kg	
86-73-7	Fluorene	ND	200	40	ug/kg	
118-74-1	Hexachlorobenzene	ND	200	40	ug/kg	
87-68-3	Hexachlorobutadiene	ND	200	40	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	200	40	ug/kg	
67-72-1	Hexachloroethane	ND	200	40	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	200	40	ug/kg	
78-59-1	Isophorone	ND	200	40	ug/kg	
91-57-6	2-Methylnaphthalene	ND	200	40	ug/kg	
88-74-4	2-Nitroaniline	ND	400	80	ug/kg	
99-09-2	3-Nitroaniline	ND	400	80	ug/kg	
100-01-6	4-Nitroaniline	ND	400	80	ug/kg	
91-20-3	Naphthalene	ND	200	40	ug/kg	
98-95-3	Nitrobenzene	ND	200	40	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	200	40	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	40	ug/kg	
85-01-8	Phenanthrene	ND	200	40	ug/kg	
129-00-0	Pyrene	ND	200	40	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	200	40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	71%		40-102%
4165-62-2	Phenol-d5	84%		41-100%
118-79-6	2,4,6-Tribromophenol	75%		42-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP81-15		
Lab Sample ID:	F52038-3	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	82.4
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	68%		40-105%
321-60-8	2-Fluorobiphenyl	68%		43-107%
1718-51-0	Terphenyl-d14	76%		45-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP81-15		
Lab Sample ID:	F52038-3	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	82.4
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV028391.D	100	08/29/07	MM	08/24/07 13:45	n/a	GUV1635
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.69 g	5.0 ml	10.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	19800	6400	3200	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	106%		56-136%
98-08-8	aaa-Trifluorotoluene	108%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP81-15		
Lab Sample ID:	F52038-3	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	82.4
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL18543.D	1	09/10/07	MG	09/06/07	OP22227	GLL659
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	30.8	10	6.0	mg/kg	
	TPH (> C22-C36)	7.28	10	6.0	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	75%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP81-15		
Lab Sample ID:	F52038-3	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
		Percent Solids:	82.4
Project:	HOLMN		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.4	0.47	0.23	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]
Barium	28.7	12	0.29	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]
Cadmium	0.46	0.23	0.058	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]
Chromium	12.6	0.58	0.082	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]
Lead	42.7	5.8	0.14	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.012 U	0.10	0.012	mg/kg	1	08/29/07	08/29/07	LM	SW846 7471A [1]	SW846 7471A [3]
Selenium [a]	13 U	29	13	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]
Silver	0.082 U	0.58	0.082	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA5943
(2) Instrument QC Batch: MA5957
(3) Prep QC Batch: MP12839
(4) Prep QC Batch: MP12879

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-DP81-22		
Lab Sample ID:	F52038-4	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.8
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F023182.D	1	09/05/07	WJ	08/24/07 13:45	n/a	VF443
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.67 g	5.0 ml	2.0 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	160000	80000	ug/kg	
75-05-8	Acetonitrile	ND	160000	54000	ug/kg	
107-02-8	Acrolein	ND	80000	35000	ug/kg	
107-13-1	Acrylonitrile	ND	80000	25000	ug/kg	
107-05-1	Allyl chloride	ND	80000	16000	ug/kg	
71-43-2	Benzene	88100	16000	3200	ug/kg	
100-44-7	Benzyl Chloride	ND	16000	3200	ug/kg	
108-86-1	Bromobenzene	ND	16000	3200	ug/kg	
74-97-5	Bromochloromethane	ND	16000	3200	ug/kg	
75-27-4	Bromodichloromethane	ND	16000	3200	ug/kg	
75-25-2	Bromoform	ND	16000	3200	ug/kg	
104-51-8	n-Butylbenzene	ND	16000	3200	ug/kg	
135-98-8	sec-Butylbenzene	ND	16000	3500	ug/kg	
98-06-6	tert-Butylbenzene	ND	16000	3800	ug/kg	
108-90-7	Chlorobenzene	ND	16000	3200	ug/kg	
75-00-3	Chloroethane	ND	16000	8300	ug/kg	
67-66-3	Chloroform	ND	16000	3200	ug/kg	
544-10-5	1-Chlorohexane	ND	16000	3200	ug/kg	
95-49-8	o-Chlorotoluene	ND	16000	3800	ug/kg	
106-43-4	p-Chlorotoluene	ND	16000	3500	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	80000	16000	ug/kg	
75-15-0	Carbon disulfide	ND	16000	3200	ug/kg	
56-23-5	Carbon tetrachloride	ND	16000	4100	ug/kg	
75-34-3	1,1-Dichloroethane	ND	16000	3500	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	16000	3200	ug/kg	
563-58-6	1,1-Dichloropropene	ND	16000	3200	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	16000	7000	ug/kg	
106-93-4	1,2-Dibromoethane	ND	16000	3200	ug/kg	
107-06-2	1,2-Dichloroethane	ND	16000	3200	ug/kg	
78-87-5	1,2-Dichloropropane	ND	16000	4100	ug/kg	
142-28-9	1,3-Dichloropropane	ND	16000	3200	ug/kg	
594-20-7	2,2-Dichloropropane	ND	16000	3800	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP81-22		
Lab Sample ID:	F52038-4	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.8
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	16000	3200	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	16000	6400	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	16000	3200	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	16000	3200	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	80000	16000	ug/kg	
541-73-1	m-Dichlorobenzene	ND	16000	3200	ug/kg	
95-50-1	o-Dichlorobenzene	ND	16000	3200	ug/kg	
106-46-7	p-Dichlorobenzene	ND	16000	3200	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	16000	3200	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	16000	3200	ug/kg	
100-41-4	Ethylbenzene	76200	16000	3200	ug/kg	
97-63-2	Ethyl methacrylate	ND	80000	16000	ug/kg	
76-13-1	Freon 113	ND	16000	4100	ug/kg	
591-78-6	2-Hexanone	ND	80000	32000	ug/kg	
87-68-3	Hexachlorobutadiene	ND	16000	5100	ug/kg	
110-54-3	Hexane	77600	16000	5700	ug/kg	
98-82-8	Isopropylbenzene	288000	16000	3200	ug/kg	
99-87-6	p-Isopropyltoluene	ND	16000	3200	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	80000	32000	ug/kg	
126-98-7	Methacrylonitrile	ND	80000	16000	ug/kg	
74-83-9	Methyl bromide	ND	16000	5700	ug/kg	
74-87-3	Methyl chloride	ND	16000	6400	ug/kg	
74-88-4	Methyl iodide	ND	32000	6400	ug/kg	
80-62-6	Methyl methacrylate	ND	80000	16000	ug/kg	
74-95-3	Methylene bromide	ND	16000	3200	ug/kg	
75-09-2	Methylene chloride	ND	32000	16000	ug/kg	
78-93-3	Methyl ethyl ketone	ND	80000	32000	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	16000	3200	ug/kg	
91-20-3	Naphthalene	ND	16000	6400	ug/kg	
76-01-7	Pentachloroethane	ND	80000	16000	ug/kg	
107-12-0	Propionitrile	ND	160000	32000	ug/kg	
103-65-1	n-Propylbenzene	13800	16000	3500	ug/kg	J
100-42-5	Styrene	ND	16000	3200	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	16000	3200	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	16000	3200	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	16000	4100	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	16000	3200	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	16000	6400	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	16000	6000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	16000	3500	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP81-22		
Lab Sample ID:	F52038-4	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.8
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	95600	16000	3500	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	47500	16000	3200	ug/kg	
127-18-4	Tetrachloroethylene	ND	16000	3200	ug/kg	
108-88-3	Toluene	7650	16000	3200	ug/kg	J
79-01-6	Trichloroethylene	ND	16000	3200	ug/kg	
75-69-4	Trichlorofluoromethane	ND	16000	5100	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	80000	16000	ug/kg	
75-01-4	Vinyl chloride	ND	16000	4500	ug/kg	
108-05-4	Vinyl Acetate	ND	80000	16000	ug/kg	
	m,p-Xylene	105000	32000	3500	ug/kg	
95-47-6	o-Xylene	ND	16000	3200	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		80-121%
2037-26-5	Toluene-D8	94%		71-130%
460-00-4	4-Bromofluorobenzene	100%		59-148%
17060-07-0	1,2-Dichloroethane-D4	117%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP81-22		
Lab Sample ID:	F52038-4	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	82.8
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R10583.D	1	09/13/07	NJ	09/06/07	OP22233	SR494
Run #2							

	Initial Weight	Final Volume
Run #1	29.7 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	1000	410	ug/kg	
95-57-8	2-Chlorophenol	ND	200	41	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	200	41	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	200	41	ug/kg	
105-67-9	2,4-Dimethylphenol	120	200	41	ug/kg	J
51-28-5	2,4-Dinitrophenol	ND	1000	410	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	410	81	ug/kg	
95-48-7	2-Methylphenol	ND	200	41	ug/kg	
	3&4-Methylphenol	50.9	200	41	ug/kg	J
88-75-5	2-Nitrophenol	ND	200	41	ug/kg	
100-02-7	4-Nitrophenol	ND	1000	410	ug/kg	
87-86-5	Pentachlorophenol	ND	1000	410	ug/kg	
108-95-2	Phenol	626	200	41	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	41	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	41	ug/kg	
83-32-9	Acenaphthene	ND	200	41	ug/kg	
208-96-8	Acenaphthylene	ND	200	41	ug/kg	
120-12-7	Anthracene	ND	200	41	ug/kg	
92-87-5	Benzidine	ND	2000	1000	ug/kg	
56-55-3	Benzo(a)anthracene	ND	200	41	ug/kg	
50-32-8	Benzo(a)pyrene	ND	200	41	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	200	41	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	200	41	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	200	41	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	200	41	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	410	100	ug/kg	
100-51-6	Benzyl Alcohol	ND	200	41	ug/kg	
91-58-7	2-Chloronaphthalene	ND	200	41	ug/kg	
106-47-8	4-Chloroaniline	ND	200	81	ug/kg	
218-01-9	Chrysene	ND	200	41	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	200	41	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	200	41	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP81-22		
Lab Sample ID:	F52038-4	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	82.8
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	200	41	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	200	41	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	200	41	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	200	41	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	200	41	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	200	41	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	200	41	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	410	81	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	200	41	ug/kg	
132-64-9	Dibenzofuran	ND	200	41	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	410	100	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	410	100	ug/kg	
84-66-2	Diethyl phthalate	ND	410	200	ug/kg	
131-11-3	Dimethyl phthalate	ND	410	100	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	410	200	ug/kg	
206-44-0	Fluoranthene	ND	200	41	ug/kg	
86-73-7	Fluorene	ND	200	41	ug/kg	
118-74-1	Hexachlorobenzene	ND	200	41	ug/kg	
87-68-3	Hexachlorobutadiene	ND	200	41	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	200	41	ug/kg	
67-72-1	Hexachloroethane	ND	200	41	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	200	41	ug/kg	
78-59-1	Isophorone	ND	200	41	ug/kg	
91-57-6	2-Methylnaphthalene	ND	200	41	ug/kg	
88-74-4	2-Nitroaniline	ND	410	81	ug/kg	
99-09-2	3-Nitroaniline	ND	410	81	ug/kg	
100-01-6	4-Nitroaniline	ND	410	81	ug/kg	
91-20-3	Naphthalene	ND	200	41	ug/kg	
98-95-3	Nitrobenzene	ND	200	41	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	200	41	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	41	ug/kg	
85-01-8	Phenanthrene	ND	200	41	ug/kg	
129-00-0	Pyrene	ND	200	41	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	200	41	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	47%		40-102%
4165-62-2	Phenol-d5	61%		41-100%
118-79-6	2,4,6-Tribromophenol	60%		42-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP81-22		
Lab Sample ID:	F52038-4	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	82.8
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	44%		40-105%
321-60-8	2-Fluorobiphenyl	49%		43-107%
1718-51-0	Terphenyl-d14	62%		45-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP81-22		
Lab Sample ID:	F52038-4	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	82.8
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV028392.D	10	08/29/07	MM	08/24/07 13:45	n/a	GUV1635
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.67 g	5.0 ml	2.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	9100	3200	1600	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%		56-136%
98-08-8	aaa-Trifluorotoluene	100%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP81-22		
Lab Sample ID:	F52038-4	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	82.8
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL18544.D	1	09/10/07	MG	09/06/07	OP22227	GLL659
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	14.3	9.9	5.9	mg/kg	
	TPH (> C22-C36)	ND	9.9	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	82%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP81-22		
Lab Sample ID:	F52038-4	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
		Percent Solids:	82.8
Project:	HOLMN		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	1.4	0.47	0.23	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]
Barium	52.9	12	0.30	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]
Cadmium	0.20 J	0.24	0.059	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]
Chromium	5.7	0.59	0.083	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]
Lead	29.2	5.9	0.14	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.012 U	0.097	0.012	mg/kg	1	08/29/07	08/29/07	LM	SW846 7471A [1]	SW846 7471A [3]
Selenium [a]	27 U	30	27	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]
Silver	0.083 U	0.59	0.083	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA5943
(2) Instrument QC Batch: MA5957
(3) Prep QC Batch: MP12839
(4) Prep QC Batch: MP12879

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-DP82-10		
Lab Sample ID:	F52038-5	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.4
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F023177.D	1	09/05/07	WJ	08/24/07 13:45	n/a	VF443
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.73 g	5.0 ml	100 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3700	1900	ug/kg	
75-05-8	Acetonitrile	ND	3700	1300	ug/kg	
107-02-8	Acrolein	ND	1900	820	ug/kg	
107-13-1	Acrylonitrile	ND	1900	590	ug/kg	
107-05-1	Allyl chloride	ND	1900	370	ug/kg	
71-43-2	Benzene	ND	370	75	ug/kg	
100-44-7	Benzyl Chloride	ND	370	75	ug/kg	
108-86-1	Bromobenzene	ND	370	75	ug/kg	
74-97-5	Bromochloromethane	ND	370	75	ug/kg	
75-27-4	Bromodichloromethane	ND	370	75	ug/kg	
75-25-2	Bromoform	ND	370	75	ug/kg	
104-51-8	n-Butylbenzene	ND	370	75	ug/kg	
135-98-8	sec-Butylbenzene	ND	370	82	ug/kg	
98-06-6	tert-Butylbenzene	ND	370	90	ug/kg	
108-90-7	Chlorobenzene	ND	370	75	ug/kg	
75-00-3	Chloroethane	ND	370	190	ug/kg	
67-66-3	Chloroform	ND	370	75	ug/kg	
544-10-5	1-Chlorohexane	ND	370	75	ug/kg	
95-49-8	o-Chlorotoluene	ND	370	90	ug/kg	
106-43-4	p-Chlorotoluene	ND	370	82	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1900	370	ug/kg	
75-15-0	Carbon disulfide	ND	370	75	ug/kg	
56-23-5	Carbon tetrachloride	ND	370	97	ug/kg	
75-34-3	1,1-Dichloroethane	ND	370	82	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	370	75	ug/kg	
563-58-6	1,1-Dichloropropene	ND	370	75	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	370	160	ug/kg	
106-93-4	1,2-Dibromoethane	ND	370	75	ug/kg	
107-06-2	1,2-Dichloroethane	ND	370	75	ug/kg	
78-87-5	1,2-Dichloropropane	ND	370	97	ug/kg	
142-28-9	1,3-Dichloropropane	ND	370	75	ug/kg	
594-20-7	2,2-Dichloropropane	ND	370	90	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP82-10		
Lab Sample ID:	F52038-5	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.4
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	370	75	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	370	150	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	370	75	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	370	75	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	1900	370	ug/kg	
541-73-1	m-Dichlorobenzene	ND	370	75	ug/kg	
95-50-1	o-Dichlorobenzene	ND	370	75	ug/kg	
106-46-7	p-Dichlorobenzene	ND	370	75	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	370	75	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	370	75	ug/kg	
100-41-4	Ethylbenzene	ND	370	75	ug/kg	
97-63-2	Ethyl methacrylate	ND	1900	370	ug/kg	
76-13-1	Freon 113	ND	370	97	ug/kg	
591-78-6	2-Hexanone	ND	1900	750	ug/kg	
87-68-3	Hexachlorobutadiene	ND	370	120	ug/kg	
110-54-3	Hexane	ND	370	130	ug/kg	
98-82-8	Isopropylbenzene	1880	370	75	ug/kg	
99-87-6	p-Isopropyltoluene	ND	370	75	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1900	750	ug/kg	
126-98-7	Methacrylonitrile	ND	1900	370	ug/kg	
74-83-9	Methyl bromide	ND	370	130	ug/kg	
74-87-3	Methyl chloride	ND	370	150	ug/kg	
74-88-4	Methyl iodide	ND	750	150	ug/kg	
80-62-6	Methyl methacrylate	ND	1900	370	ug/kg	
74-95-3	Methylene bromide	ND	370	75	ug/kg	
75-09-2	Methylene chloride	462	750	370	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	1900	750	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	370	75	ug/kg	
91-20-3	Naphthalene	ND	370	150	ug/kg	
76-01-7	Pentachloroethane	ND	1900	370	ug/kg	
107-12-0	Propionitrile	ND	3700	750	ug/kg	
103-65-1	n-Propylbenzene	ND	370	82	ug/kg	
100-42-5	Styrene	ND	370	75	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	370	75	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	370	75	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	370	97	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	370	75	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	370	150	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	370	140	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	370	82	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Appendix A-2

Portions of: Final Voluntary Corrective Measures Addendum Letter Report Site SS-61 Soil Remediation, Holloman AFB, New Mexico, North Wind, Inc., February 2009

Table 3-1
Groundwater Elevation Summary
Spill Site SS-61 VCM Addendum
Holloman Air Force Base, New Mexico

Well	Northing	Easting	Elevation TOC (ft above msl)	DTW from TOC (ft below TOC)	Groundwater Elevation December 9, 2008 (ft above msl)
SS61-MW03	676733.4	1689619.2	4,100.48	17.95	4,082.53
SS61-MW06	676517.8	1689689.2	4,098.30	14.93	4,083.37
SS61-MW07	676535.1	1688891.5	4,095.36	16.04	4,079.32
SS61-MW08	676461.1	1689333.1	4,095.42	13.39	4,082.03
SS61-MW09	676221.2	1689429.7	4,096.53	13.70	4,082.83
SS61-MW10	676015.6	1689610.0	4,093.85	9.66	4,084.19
SS61-MW12	676149.8	1689203.0	4,092.55	11.22	4,081.33
SS61-MW13	676941.0	1688905.2	4,093.69	14.25	4,079.44
SS61-MW14	676783.9	1689432.5	4,098.17	16.66	4,081.51
SS61-MW15	676042.1	1689590.4	4,093.90	9.43	4,084.47
SS61-MW16	676136.3	1689397.2	4,093.77	11.23	4,082.54
MW29-02	677710.6	1688974.6	4,099.93	20.60	4,079.33
MW29-03	677207.0	1689001.5	4,099.22	19.37	4,079.85
MW29-04	677056.4	1689177.7	4,100.64	20.41	4,080.23
MW29-05	677387.1	1689487.9	4,103.79	22.85	4,080.94
MW29-08	677951.7	1689081.8	4,102.83	22.95	4,079.88

Notes:
TOC = Top of Casing
DTW = Depth to Water
ft = feet
msl = mean sea level

Table 4-1
Summary of Soil Boring Locations and Sample Intervals
Spill Site SS-61 VCM Addendum
Holloman Air Force Base, New Mexico

Soil Boring Number	Location	Northing	Easting	Total Depth (ft)	Sample Depths for Chemical Analysis (ft bgs)	Laboratory Analysis
SS61-SB01	Pipeline T-Junction (North Grid)	676738.8	1689440.4	40	16-18, 25-27, 35-37	VOCs, TPH
SS61-SB02	Pipeline T-Junction (North Grid)	676696.1	1689493.6	40	18-20, 24-26, 38-40	VOCs, TPH
SS61-SB03	Pipeline T-Junction (North Grid)	676748.1	1689494.7	40	21-23, 25-27, 38-40	VOCs, TPH
SS61-SB04	Pipeline T-Junction (North Grid)	676745.8	1689596.3	40	17-19, 29-31, 38-40	VOCs, TPH
SS61-SB05	Pipeline T-Junction (North Grid)	676696.1	1689582.5	40	20-22, 24-26, 38-40	VOCs, TPH
SS61-SB06	Pipeline T-Junction (North Grid)	676579.3	1689597.5	40	18-20, 23-25, 38-40	VOCs, TPH
SS61-SB07	Pipeline T-Junction (North Grid)	676506.8	1689700.2	40	14-16, 25-27, 38-40	VOCs, TPH
SS61-SB08	Pipeline T-Junction (North Grid)	676497.5	1689744.1	40	21-23, 25-27, 38-40	VOCs, TPH
SS61-SB09	Pipeline T-Junction (North Grid)	676481.4	1689791.4	40	21-23, 26-28, 33-35	VOCs, TPH
SS61-SB10	Pipeline T-Junction (North Grid)	676543.7	1689696.8	40	14-16, 26-28, 33-35	VOCs, TPH
SS61-SB11	Pipeline T-Junction (North Grid)	676450.2	1689872.2	40	23-25, 26-28, 33-35	VOCs, TPH
SS61-SB12	Pipeline T-Junction (North Grid)	676497.5	1689901.1	40	23-25, 26-28, 31-33	VOCs, TPH
SS61-SB13	Pipeline T-Junction (North Grid)	676633.8	1689510.9	35	18-20, 27-29, 33-35	VOCs, TPH
SS61-SB14	Pipeline T-Junction (North Grid)	676655.7	1689587.1	40	18-20, 26-28, 38-40	VOCs, TPH
SS61-SB15	Pipeline T-Junction (North Grid)	676527.2	1689596.5	40	20-22, 23-25, 31-33	VOCs, TPH
SS61-SB16	Pipeline T-Junction (North Grid)	676558.7	1689486.6	35	18-20, 25-27, 33-35	VOCs, TPH
SS61-SB17	Pipeline T-Junction (North Grid)	676533.3	1689901.1	40	23-25, 27-29, 33-35	VOCs, TPH
SS61-SB18	Pipeline T-Junction (North Grid)	676595.7	1689900.0	40	22-24, 26-28, 33-35	VOCs, TPH
SS61-SB19	Pipeline T-Junction (North Grid)	676588.5	1689957.6	40	23-25, 26-28, 38-40	VOCs, TPH
SS61-SB20	Pipeline T-Junction (North Grid)	676682.3	1689901.1	40	23-25, 27-29, 33-35	VOCs, TPH
SS61-SB21	Pipeline T-Junction (North Grid)	676744.6	1689898.8	35	23-25, 26-28, 33-35	VOCs, TPH
SS61-SB22	Pipeline T-Junction (North Grid)	676801.2	1689846.8	35	20-22, 24-26, 33-35	VOCs, TPH
SS61-SB23	Pipeline T-Junction (North Grid)	676801.2	1689745.2	35	14-16, 24-26, 33-35	VOCs, TPH
SS61-SB24	Pipeline T-Junction (North Grid)	676646.5	1689786.8	40	14-16, 25-27, 38-40	VOCs, TPH
SS61-SB25	Pipeline T-Junction (North Grid)	676696.1	1689796.0	40	18-20, 22-24, 33-35	VOCs, TPH
SS61-SB26	Pipeline T-Junction (North Grid)	676645.3	1689696.8	40	17-19, 22-24, 38-40	VOCs, TPH
SS61-SB27	Pipeline T-Junction (North Grid)	676546.0	1689747.6	40	18-20, 26-28, 33-35	VOCs, TPH

Table 4-1
Summary of Soil Boring Locations and Sample Intervals
Spill Site SS-61 VCM Addendum
Holloman Air Force Base, New Mexico

Soil Boring Number	Location	Northing	Easting	Total Depth (ft)	Sample Depths for Chemical Analysis (ft bgs)	Laboratory Analysis
SS61-SB28	Pipeline T-Junction (North Grid)	676697.3	1689848.0	40	18-20, 26-28, 33-35	VOCs, TPH
SS61-SB29	Pipeline T-Junction (North Grid)	676901.6	1689693.3	50	18-20, 27-29, 38-40	VOCs, TPH
SS61-SB30	Pipeline T-Junction (North Grid)	676800.0	1689948.4	40	24-26, 28-30, 35-37	VOCs, TPH
SS61-SB31	Pipeline T-Junction (North Grid)	676848.5	1689846.8	40	23-25, 30-32, 38-40	VOCs, TPH
SS61-SB32	Pipeline Valve Vault (South Grid)	676010.6	1689631.0	40	7-9, 15-17, 33-35	VOCs, TPH
SS61-SB33	Pipeline Valve Vault (South Grid)	676042.1	1689590.4	40	13-15, 25-27, 33-35	VOCs, TPH
SS61-SB34	Pipeline Valve Vault (South Grid)	676136.3	1689397.2	40	18-20, 24-26, 28-30	VOCs, TPH
SS61-SB35	Pipeline T-Junction (North Grid)	676745.8	1689995.8	40	23-25, 30-32, 34-36	VOCs, TPH
SS61-SB36	Pipeline T-Junction (North Grid)	676645.3	1689994.6	40	23-25, 28-30, 38-40	VOCs, TPH
SS61-SB37	Pipeline T-Junction (North Grid)	676574.9	1690027.0	40	23-25, 26-28, 35-37	VOCs, TPH
SS61-SB38	Pipeline T-Junction (North Grid)	676385.6	1689677.1	40	13-15, 18-20, 33-35	VOCs, TPH
SS61-SB39	Pipeline T-Junction (North Grid)	676431.9	1689979.9	40	23-25, 27-29, 33-35	VOCs, TPH
SS61-SB40	Pipeline Valve Vault (South Grid)	676007.4	1689605.0	35	14-16, 18-20, 33-35	VOCs, TPH
SS61-SB41	Pipeline Valve Vault (South Grid)	676048.8	1689623.5	35	9-11, 12-14, 33-35	VOCs, TPH
SS61-SB42	Pipeline Valve Vault (South Grid)	675996.5	1689618.4	35	10-12, 17-19, 33-35,	VOCs, TPH
SS61-SB43	Pipeline Valve Vault (South Grid)	676000.5	1689674.4	35	10-12, 13-15, 28-30	VOCs, TPH
SS61-SB44	Pipeline Valve Vault (South Grid)	676030.8	1689683.2	35	23-25, 24-26, 28-30	VOCs, TPH
SS61-SB45	Pipeline Valve Vault (South Grid)	675979.4	1689671.3	35	13-15, 18-20, 30-32	VOCs, TPH
SS61-SB46	Pipeline T-Junction (North Grid)	676696.1	1689696.8	35	15-17, 26-28, 33-35	VOCs, TPH
SS61-SB47	Pipeline T-Junction (North Grid)	676730.7	1689391.2	35	23-25, 27-29, 33-35	VOCs, TPH
SS61-SB48	Pipeline T-Junction (North Grid)	676801.2	1689650.6	40	15-17, 23-25, 38-40	VOCs, TPH
SS61-SB49	Pipeline T-Junction (North Grid)	676956.9	1689691.0	35	18-20, 28-30, 33-35	VOCs, TPH
SS61-SB50	Pipeline T-Junction (North Grid)	676900.5	1689792.6	35	18-20, 27-29, 33-35	VOCs, TPH
SS61-SB51	Pipeline T-Junction (North Grid)	677005.5	1689744.1	35	18-20, 23-25, 33-35	VOCs, TPH
SS61-SB52	Pipeline T-Junction (North Grid)	677005.5	1689592.8	35	19-21, 28-30, 33-35	VOCs, TPH
SS61-SB53	Pipeline T-Junction (North Grid)	677005.5	1689493.6	40	18-20, 27-29, 33-35	VOCs, TPH
SS61-SB54	Pipeline T-Junction (North Grid)	677100.2	1689691.0	35	23-25, 28-30, 29-31	VOCs, TPH

Table 4-1
Summary of Soil Boring Locations and Sample Intervals
Spill Site SS-61 VCM Addendum
Holloman Air Force Base, New Mexico

Soil Boring Number	Location	Northing	Easting	Total Depth (ft)	Sample Depths for Chemical Analysis (ft bgs)	Laboratory Analysis
SS61-SB55	Pipeline T-Junction (North Grid)	676744.6	1689745.2	40	15-17, 31-33, 38-40	VOCs, TPH
SS61-SB56	Pipeline T-Junction (North Grid)	676610.7	1689746.4	35	16-18, 23-25, 33-35	VOCs, TPH
SS61-SB57	Pipeline T-Junction (North Grid)	676800.0	1689494.7	35	20-22, 26-28, 33-35	VOCs, TPH
SS61-SB58	Pipeline T-Junction (North Grid)	676848.5	1689595.2	35	18-20, 23-25, 33-35	VOCs, TPH
SS61-SB59	Pipeline T-Junction (North Grid)	676901.6	1689494.7	35	23-25, 27-29, 33-35	VOCs, TPH
SS61-SB60	Pipeline T-Junction (North Grid)	676848.5	1689394.3	40	23-25, 28-30, 38-40	VOCs, TPH
SS61-SB61	Pipeline T-Junction (North Grid)	677006.7	1689382.7	35	23-25, 27-29, 33-35	VOCs, TPH
SS61-SB62	Pipeline T-Junction (North Grid)	676578.4	1689410.4	35	16-18, 26-28, 33-35	VOCs, TPH
SS61-SB63	Pipeline T-Junction (North Grid)	676426.0	1689584.8	35	14-16, 26-28, 33-35	VOCs, TPH
SS61-SB64	Pipeline Valve Vault (South Grid)	676023.8	1689596.0	35	18-20, 23-25, 33-35	VOCs, TPH
SS61-SB65	Pipeline Valve Vault (South Grid)	675988.2	1689695.9	35	12-14, 17-19, 26-28	VOCs, TPH
SS61-SB66/MW15	Pipeline Valve Vault (South Grid)	676042.1	1689590.4	28	NA	NA
SS61-SB67/MW16	Pipeline Valve Vault (South Grid)	676136.3	1689397.2	28	NA	NA

Notes:
VOCs = Volatile Organic Compounds
TPH = Total Petroleum Hydrocarbons (Gasoline Range Organics, Diesel Range Organics, and Oil Range Organics)
ft bgs = feet below ground surface
NA = Not Applicable

Table 4-2
Monitoring Well Construction Details
Spill Site SS-61 VCM Addendum
Holloman Air Force Base, New Mexico

Well ID	Installation Date	Sampled 2008	Diameter (inches)	Screen Interval (ft bgs)	Depth to Water December 9, 2008 (ft below TOC)	Total depth (feet)	Status
SS61-MW15	11/25/2008	1	2	18.5-28.5	9.74	28.6	Active
SS61-MW16	11/25/2008	1	1	18.0-28.0	11.34	28.5	Active
SS61-TMW80	11/20/2008	1	1	18.0-28.0	16.59	28.2	Active
SS61-TMW81	11/21/2008	1	1	17.75-27.75	14.72	28.0	Active
SS61-TMW82	11/23/2008	1	1	17.75-27.75	17.89	28.0	Active
SS61-TMW83	11/23/2008	1	1	17.4-27.4	18.25	27.6	Active
SS61-TMW84	12/3/2008	1	1	14.5-24.5	NA	24.7	Active
SS61-TMW85	12/6/2008	1	1	22.25-32.25	18.86	32.5	Active

Notes:
ft bgs - Feet below ground surface
ft below TOC - Feet below Top of Casing
NA - Not Applicable

Table 6-1
Soil Boring Analytical Results Pipeline T-Junction PCS Source Area (Nov-Dec 2008)
SS-61 Addendum Letter Report
Holloman Air Force Base, New Mexico

Client Sample ID:	Soil Screening Levels	SS61-SB01-18		SS61-SB01-27		SS61-SB01-37		SS61-SB02-20		SS61-SB02-26		SS61-SB02-40		SS61-SB03-23		SS61-SB03-27	
Lab Sample ID:	NMED	F61590-1		F61590-2		F61590-3		F61622-1		F61622-2		F61622-3		F61622-4		F61622-5	
Date Sampled:	Residential[1]	11/17/2008		11/17/2008		11/17/2008		11/17/2008		11/17/2008		11/17/2008		11/18/2008		11/18/2008	
Analyte		Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q
Volatile Organic Compounds	mg/kg	µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg	
Acetone	28,100	27	U	1,800	U	28	U	26	U	31	U	28	U	27	U	18,000	U
Benzene	10.3	1.1	U	74	U	1.1	U	1.0	U	511		165		1.1	U	7,870	
n-Butylbenzene	62.1	1.5	U	100	U	1.6	U	1.4	U	1.8	U	1.6	U	1.5	U	980	U
sec-Butylbenzene	60.6	1.2	U	3,430		7.3		1.1	U	7.3		1.2	U	1.2	U	1,060	J
tert-Butylbenzene	106	1.2	U	1,270		1.2	U	1.1	U	4.0	J	1.2	U	1.2	U	770	U
Chlorobenzene	194	1.1	U	74	U	1.1	U	1.0	U	1.3	U	1.1	U	1.1	U	700	U
Chloroform	4	1.8	U	130	U	1.9	U	1.7	U	2.1	U	1.9	U	1.8	U	1,200	U
Carbon disulfide	460	1.2	U	81	U	1.2	U	1.1	U	1.5	J	1.2	U	1.2	U	770	U
1,1-Dichloroethylene	206	1.4	U	96	U	1.5	U	1.3	U	1.6	U	1.4	U	1.4	U	910	U
1,2-Dichloroethane	6.04	1.2	U	81	U	9.1		1.1	U	1.4	U	14.6		1.2	U	770	U
m-Dichlorobenzene	32.6	1.1	U	74	U	1.1	U	1.0	U	1.3	U	1.1	U	1.1	U	700	U
o-Dichlorobenzene	37.4	1.1	U	74	U	1.1	U	1.0	U	1.3	U	1.1	U	1.1	U	700	U
p-Dichlorobenzene	39.5	1.1	U	74	U	1.1	U	1.0	U	1.3	U	1.1	U	1.1	U	700	U
Ethylbenzene	128	1.1	U	74	U	1.1	U	1.0	U	192		1.1	U	1.1	U	700	U
2-Hexanone	NV	5.4	U	370	U	5.6	U	5.1	U	6.3	U	5.6	U	5.4	U	3,500	U
Hexane	38	2.6	U	180	U	2.7	U	2.5	U	3.0	U	2.7	U	2.6	U	1,700	U
Isopropylbenzene	271	1.2	U	81	U	1.2	U	70.9		352	J	16.0		4.8	J	64,000	
p-Isopropyltoluene	NV	1.2	U	81	U	1.2	U	1.1	U	1.4	U	1.2	U	1.2	U	770	U
4-Methyl-2-pentanone	NV	7.0	U	470	U	7.2	U	6.6	U	8.1	U	7.1	U	6.9	U	4,500	U
Methylene chloride	182	5.5	J	370	U	5.6	U	10.5	B	9.2	JB	12.3	B	10.9	JB	3,500	U
Naphthalene	79.5	2.2	U	150	U	2.2	U	2.1	U	2.5	U	2.2	U	2.1	U	1,400	U
n-Propylbenzene	62.1	1.3	U	89	U	1.3	U	1.2	U	17.1		1.3	U	1.3	U	2,400	J
1,1,2,2-Tetrachloroethane	5.55	2.0	U	130	U	2.0	U	1.9	U	2.3	U	2.0	U	1.9	U	1,300	U
1,2,4-Trichlorobenzene	69.3	2.2	U	150	U	2.2	U	2.1	U	2.5	U	2.2	U	2.1	U	1,400	U
1,2,4-Trimethylbenzene	58	1.1	U	74	U	1.1	U	1.0	U	7.7		1.1	U	1.1	U	700	U
1,3,5-Trimethylbenzene	24.8	1.1	U	74	U	1.1	U	1.0	U	1.3	U	1.1	U	1.1	U	700	U
Toluene	252	1.1	U	74	U	1.1	U	1.0	U	1.3	U	1.1	U	1.1	U	700	U
m,p-Xylene	82	2.1	U	140	U	3.4	J	2.0	U	8.4	J	2.1	U	2.0	U	1,300	U
o-Xylene	99.5	1.1	U	74	U	1.6	J	1.0	U	5.5	J	1.1	U	1.1	U	700	U
Total Petroleum Hydrocarbons	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
TPH-GRO (C6-C10)	940 [3]	3.3	U	**1,120**		3.2	U	3.3	U	9.34		3.5	U	3.1	U	**1,540**	
TPH-DRO (C10-C22)	940 [3]	6.1	U	6.4	U	6.0	U	6.1	U	7.43	J	6.0	U	6.0	U	6.4	U
TPH-ORO (>C22-C36)	940 [3]	6.1	U	6.4	U	6.0	U	6.1	U	6.3	U	6.0	U	6.0	U	6.4	U
General Chemistry		%		%		%		%		%		%		%		%	
Solids, Percent	NV	81.3		78.1		83.6		79.8		78.5		81.1		81.9		77.5	

Notes:

NMED = New Mexico Environment Department
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NV = No Value
TPH = Total Petroleum Hydrocarbons
Q = Laboratory Qualifier
B = Analyte found in associated method blank
U = Not Detected
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
ORO = Oil Range Organics

J = Estimated result. Result is between the Method Detection Limit (MDL) and the Reporting Limit (RL).

[1] NMED, June 2006. Technical Background Document for Development of Soil Screening Levels, Revision 4.0.

[2] If results are not detected (U) then the value is set at the MDL

[3] NMED, October 2006. TPH Screening Guidelines (Kerosene and Jet Fuel, Residential Direct Exposure)

Bold value indicates analytes above NMED Soil Screening Levels (Rev 4.0, June 2006) or combined TPH results above NMED TPH Screening Guidelines for Kerosene and Jet Fuel (Table 2b, Oct 2006)

Table 6-1
Soil Boring Analytical Results Pipeline T-Junction PCS Source Area (Nov-Dec 2008)
SS-61 Addendum Letter Report
Holloman Air Force Base, New Mexico

Client Sample ID:	Soil Screening Levels	SS61-SB03-27-a		SS61-SB03-40		SS61-SB04-19		SS61-SB04-31		SS61-SB04-40		SS61-SB05-22		SS61-SB05-26		SS61-SB05-40	
Lab Sample ID:	NMED	F61622-6		F61622-7		F61620-1		F61620-2		F61620-3		F61662-1		F61662-2		F61662-3	
Date Sampled:	Residential[1]	11/18/2008		11/18/2008		11/18/2008		11/18/2008		11/18/2008		11/18/2008		11/18/2008		11/18/2008	
Analyte		Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q
Volatile Organic Compounds	mg/kg	µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg	
Acetone	28,100	3,700	U	24	U	30	U	12,000	U	26	U	24	U	1,700	U	55.5	
Benzene	10.3	4,330		0.96	U	1.2	U	**32,200**		1,640		19.2		4,680		312	
n-Butylbenzene	62.1	210	U	1.3	U	1.7	U	690	U	1.5	U	1.3	U	93	U	1.5	U
sec-Butylbenzene	60.6	556	J	1.1	U	1.3	U	2,680		1.2	J	1.1	U	291	J	1.2	U
tert-Butylbenzene	106	278	J	1.1	U	1.3	U	1,080	J	1.2	U	1.1	U	141	J	1.2	U
Chlorobenzene	194	150	U	0.96	U	1.2	U	500	U	1.0	U	0.96	U	67	U	1.1	U
Chloroform	4	250	U	1.6	U	2.0	U	840	U	1.8	U	1.6	U	110	U	1.9	U
Carbon disulfide	460	160	U	1.1	U	1.3	U	550	U	1.2	U	1.1	U	73	U	1.2	U
1,1-Dichloroethylene	206	190	U	1.2	U	1.6	U	640	U	1.4	U	1.2	U	87	U	1.4	U
1,2-Dichloroethane	6.04	160	U	15.9		1.3	U	550	U	20.7		2.8	J	73	U	21.4	
m-Dichlorobenzene	32.6	150	U	0.96	U	1.2	U	500	U	1.0	U	0.96	U	67	U	1.1	U
o-Dichlorobenzene	37.4	150	U	0.96	U	1.2	U	500	U	1.0	U	0.96	U	67	U	1.1	U
p-Dichlorobenzene	39.5	150	U	0.96	U	1.2	U	500	U	1.0	U	0.96	U	67	U	1.1	U
Ethylbenzene	128	9,000		0.96	U	1.2	U	19,000		1.0	U	0.96	U	6,250		1.1	U
2-Hexanone	NV	730	U	4.8	U	6.0	U	2,500	U	5.2	U	4.8	U	330	U	5.5	U
Hexane	38	350	U	2.3	U	2.9	U	**52,100**		2.5	U	2.3	U	160	U	2.6	U
Isopropylbenzene	271	39,600		1.1	U	1.3	U	107,000		159		5.9		15,600		105	
p-Isopropyltoluene	NV	160	U	1.1	U	1.3	U	550	U	1.2	U	1.1	U	73	U	1.2	U
4-Methyl-2-pentanone	NV	940	U	6.1	U	7.6	U	3,200	U	6.7	U	6.1	U	430	U	7.0	U
Methylene chloride	182	779	J	5.3	J	6.0	U	2,580	JB	14.9	B	4.8	U	1,080		809	
Naphthalene	79.5	290	U	1.9	U	2.4	U	3,510	J	2.1	U	1.9	U	130	U	2.2	U
n-Propylbenzene	62.1	1,410		1.2	U	1.4	U	3,710		1.7	J	1.2	U	867		1.5	J
1,1,2,2-Tetrachloroethane	5.55	260	U	1.7	U	2.1	U	890	U	1.9	U	1.7	U	120	U	2.0	U
1,2,4-Trichlorobenzene	69.3	290	U	1.9	U	2.4	U	990	U	2.1	U	1.9	U	130	U	2.2	U
1,2,4-Trimethylbenzene	58	150	U	0.96	U	1.2	U	30,000		1.0	U	0.96	U	4,490		1.1	U
1,3,5-Trimethylbenzene	24.8	150	U	0.96	U	1.2	U	15,400		1.0	U	0.96	U	1,630	J	1.1	U
Toluene	252	150	U	0.96	U	1.2	U	45,700		1.0	U	0.96	U	67	U	1.1	U
m,p-Xylene	82	386	J	1.8	U	2.3	U	**93,000**		2.0	U	1.8	U	3,010		2.1	U
o-Xylene	99.5	157	J	0.96	U	1.2	U	33,400		1.0	U	0.96	U	159	J	1.1	U
Total Petroleum Hydrocarbons	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
TPH-GRO (C6-C10)	940 [3]	**1,170**		2.9	U	3.8	U	**2,080**		4.87	J	2.7	U	759		3.1	U
TPH-DRO (C10-C22)	940 [3]	6.5	U	5.9	U	6.5	U	9.95	J	6.1	U	5.5	U	5.9	U	5.8	U
TPH-ORO (>C22-C36)	940 [3]	6.5	U	5.9	U	6.5	U	6.7	U	6.1	U	5.5	U	5.9	U	5.8	U
General Chemistry		%		%		%		%		%		%		%		%	
Solids, Percent	NV	75.7		82.6		76.8		73.4		81.0		88.4		84.3		85.9	

Notes:

NMED = New Mexico Environment Department
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NV = No Value
TPH = Total Petroleum Hydrocarbons
Q = Laboratory Qualifier
B = Analyte found in associated method blank
U = Not Detected
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
ORO = Oil Range Organics

J = Estimated result. Result is between the Method Detection Limit (MDL) and the Reporting Limit (RL).

[1] NMED, June 2006. Technical Background Document for Development of Soil Screening Levels, Revision 4.0.

[2] If results are not detected (U) then the value is set at the Method Detection Limit (MDL)

[3] NMED, October 2006. TPH Screening Guidelines (Kerosene and Jet Fuel, Residential Direct Exposure)

Bold value indicates analytes above NMED Soil Screening Levels (Rev 4.0, June 2006) or combined TPH results above NMED TPH Screening Guidelines for Kerosene and Jet Fuel (Table 2b, Oct 2006)

Table 6-1
Soil Boring Analytical Results Pipeline T-Junction PCS Source Area (Nov-Dec 2008)
SS-61 Addendum Letter Report
Holloman Air Force Base, New Mexico

Client Sample ID:	Soil Screening Levels	SS61-SB06-20		SS61-SB06-25		SS61-SB06-25-a		SS61-SB06-40		SS61-SB07-16		SS61-SB07-27		SS61-SB07-40		SS61-SB08-23	
Lab Sample ID:	NMED	F61662-4		F61662-5		F61662-6		F61662-7		F61660-1		F61660-2		F61660-3		F61660-4	
Date Sampled:	Residential[1]	11/18/2008		11/18/2008		11/18/2008		11/18/2008		11/19/2008		11/19/2008		11/19/2008		11/19/2008	
Analyte		Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q
Volatile Organic Compounds	mg/kg	µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg	
Acetone	28,100	26	U	27	U	26	U	44.4	J	29	U	1,800	U	24	U	26	U
Benzene	10.3	1.0	U	78.5		27.0		9.8		1.1	U	6,630		0.95	U	3.2	J
n-Butylbenzene	62.1	1.4	U	1.5	U	1.4	U	1.5	U	1.6	U	100	U	1.3	U	1.4	U
sec-Butylbenzene	60.6	1.1	U	6.5		5.2		1.2	U	1.3	U	556		1.0	U	1.1	U
tert-Butylbenzene	106	1.1	U	2.8	J	2.3	J	1.2	U	1.3	U	204	J	1.0	U	1.1	U
Chlorobenzene	194	1.0	U	1.1	U	1.0	U	1.1	U	1.1	U	72	U	0.95	U	1.0	U
Chloroform	4	1.8	U	1.8	U	1.7	U	1.8	U	1.9	U	120	U	1.6	U	1.7	U
Carbon disulfide	460	1.1	U	6.0		3.5	J	1.2	U	1.3	U	113	J	1.0	U	1.1	U
1,1-Dichloroethylene	206	1.3	U	1.4	U	1.3	U	1.4	U	1.5	U	93	U	1.2	U	1.3	U
1,2-Dichloroethane	6.04	1.1	U	1.2	U	1.1	U	9.1		1.3	U	79	U	1.1	J	1.1	U
m-Dichlorobenzene	32.6	1.0	U	1.1	U	1.0	U	1.1	U	1.1	U	72	U	0.95	U	1.0	U
o-Dichlorobenzene	37.4	1.0	U	1.1	U	1.0	U	1.1	U	1.1	U	72	U	2.0	J	1.0	U
p-Dichlorobenzene	39.5	1.0	U	1.1	U	1.0	U	1.1	U	1.1	U	72	U	0.95	U	1.0	U
Ethylbenzene	128	1.0	U	40.8		1.0	U	1.1	U	1.1	U	2,970		0.95	U	1.0	U
2-Hexanone	NV	5.2	U	5.3	U	5.1	U	5.3	U	5.7	U	360	U	4.8	U	5.1	U
Hexane	38	2.5	U	2.6	U	9.3		2.5	U	2.7	U	170	U	2.3	U	2.5	U
Isopropylbenzene	271	1.1	U	239	E	202		19.9		1.3	U	19,900		12.4		1.1	U
p-Isopropyltoluene	NV	1.1	U	1.2	U	1.1	U	1.2	U	1.3	U	79	U	1.0	U	1.1	U
4-Methyl-2-pentanone	NV	6.6	U	6.8	U	6.6	U	6.7	U	7.3	U	460	U	6.1	U	6.6	U
Methylene chloride	182	6.0	JB	381	J	5.1	U	5.3	U	5.7	U	360	U	4.8	U	5.1	U
Naphthalene	79.5	2.1	U	2.1	U	2.0	U	2.1	U	2.3	U	140	U	1.9	U	2.1	U
n-Propylbenzene	62.1	1.2	U	5.3		4.3	J	1.3	U	1.4	U	1,270		1.1	U	1.2	U
1,1,2,2-Tetrachloroethane	5.55	1.9	U	1.9	U	1.8	U	1.9	U	2.1	U	130	U	1.7	U	1.8	U
1,2,4-Trichlorobenzene	69.3	2.1	U	2.1	U	2.0	U	2.1	U	2.3	U	140	U	1.9	U	2.1	U
1,2,4-Trimethylbenzene	58	1.0	U	34.2		27.9		1.1	U	1.1	U	184	J	0.95	U	1.0	U
1,3,5-Trimethylbenzene	24.8	1.0	U	11.3		9.7		1.1	U	1.1	U	72	U	0.95	U	1.0	U
Toluene	252	1.0	U	7.3		1.0	U	1.1	U	1.1	U	72	U	0.95	U	1.0	U
m,p-Xylene	82	2.0	U	20.9		14.0		2.0	U	2.2	U	284	J	1.8	U	2.0	U
o-Xylene	99.5	1.0	U	19.0		12.0		1.1	U	1.1	U	234	J	0.95	U	1.0	U
Total Petroleum Hydrocarbons	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
TPH-GRO (C6-C10)	940 [3]	2.6	U	3.2	U	3.0	U	3.5	U	3.1	U	408		2.6	U	3.3	U
TPH-DRO (C10-C22)	940 [3]	5.5	U	8.59	J	5.7	U	6.3	U	5.6	U	6.3	U	5.5	U	6.0	U
TPH-ORO (>C22-C36)	940 [3]	5.5	U	11.2		7.02	J	6.3	U	5.6	U	6.3	U	5.5	U	6.0	U
General Chemistry		%		%		%		%		%		%		%		%	
Solids, Percent	NV	90.4		85.0		86.6		78.9		87.7		79.5		90.2		83.2	

Notes:

NMED = New Mexico Environment Department
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NV = No Value
TPH = Total Petroleum Hydrocarbons
Q = Laboratory Qualifier
B = Analyte found in associated method blank
U = Not Detected
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
ORO = Oil Range Organics

J = Estimated result. Result is between the Method Detection Limit (MDL) and the Reporting Limit (RL).

[1] NMED, June 2006. Technical Background Document for Development of Soil Screening Levels, Revision 4.0.

[2] If results are not detected (U) then the value is set at the Method Detection Limit (MDL)

[3] NMED, October 2006. TPH Screening Guidelines (Kerosene and Jet Fuel, Residential Direct Exposure)

Bold value indicates analytes above NMED Soil Screening Levels (Rev 4.0, June 2006) or combined TPH results above NMED TPH Screening Guidelines for Kerosene and Jet Fuel (Table 2b, Oct 2006)

Table 6-1
Soil Boring Analytical Results Pipeline T-Junction PCS Source Area (Nov-Dec 2008)
SS-61 Addendum Letter Report
Holloman Air Force Base, New Mexico

Client Sample ID:	Soil Screening Levels	SS61-SB08-27		SS61-SB08-40		SS61-SB09-23		SS61-SB09-28		SS61-SB09-35		SS61-SB10-16		SS61-SB10-28		SS61-SB10-28-a	
Lab Sample ID:	NMED	F61660-5		F61660-6		F61707-1		F61707-2		F61707-3		F61707-4		F61707-5		F61707-6	
Date Sampled:	Residential[1]	11/19/2008		11/19/2008		11/19/2008		11/19/2008		11/19/2008		11/19/2008		11/19/2008		11/19/2008	
Analyte		**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**
Volatile Organic Compounds	**mg/kg**	**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**	
Acetone	28,100	1,600	U	28	U	26	U	27	U	28	U	26	U	2,900	U	25	U
Benzene	10.3	5,080		1.1	U	1.0	U	130	J	1.1	U	1.0	U	7,170		8,710	
n-Butylbenzene	62.1	92	U	1.6	U	1.4	U	1.5	U	1.6	U	1.5	U	160	U	1.4	U
sec-Butylbenzene	60.6	344		1.2	U	1.3	J	171		1.2	U	1.1	U	922		102	
tert-Butylbenzene	106	155	J	1.2	U	1.1	U	89.8		1.2	U	1.1	U	411	J	47.5	
Chlorobenzene	194	66	U	1.1	U	1.0	U	1.1	U	1.1	U	1.0	U	120	U	0.99	U
Chloroform	4	110	U	1.9	U	1.7	U	1.9	U	1.9	U	1.8	U	200	U	1.7	U
Carbon disulfide	460	72	U	1.2	U	1.1	U	1.2	U	1.2	U	1.1	U	130	U	1.1	U
1,1-Dichloroethylene	206	85	U	1.5	U	1.3	U	1.4	U	1.4	U	1.4	U	150	U	1.3	U
1,2-Dichloroethane	6.04	72	U	1.2	U	1.1	U	1.2	U	1.2	U	1.1	U	130	U	15.8	
m-Dichlorobenzene	32.6	66	U	1.1	U	1.0	U	1.1	U	1.1	U	1.0	U	120	U	0.99	U
o-Dichlorobenzene	37.4	66	U	1.6	J	1.0	U	58.7		2.7	J	1.0	U	120	U	0.99	U
p-Dichlorobenzene	39.5	66	U	1.1	U	1.0	U	17.1		1.1	U	1.0	U	120	U	0.99	U
Ethylbenzene	128	7,060		1.1	U	1.0	U	681		1.1	U	1.0	U	10,800		11,200	
2-Hexanone	NV	330	U	5.6	U	5.1	U	5.4	U	5.6	U	5.2	U	590	U	5.0	U
Hexane	38	160	U	2.7	U	2.5	U	2.6	U	2.7	U	2.5	U	280	U	2.4	U
Isopropylbenzene	271	18,400		1.2	U	56.0		19,000		8.9		31.5		43,000		44,400	
p-Isopropyltoluene	NV	72	U	1.2	U	1.1	U	1.2	U	1.2	U	1.1	U	130	U	1.1	U
4-Methyl-2-pentanone	NV	420	U	7.1	U	6.6	U	7.0	U	7.1	U	6.7	U	750	U	6.4	U
Methylene chloride	182	330	U	5.6	U	5.1	U	621	JB	5.6	U	5.2	U	892	J	1,560	JB
Naphthalene	79.5	130	U	2.2	U	2.1	U	3.5	J	2.2	U	2.1	U	240	U	10.3	
n-Propylbenzene	62.1	1,390		1.3	U	1.2	U	1,030		1.3	U	1.3	U	2,180		2,280	
1,1,2,2-Tetrachloroethane	5.55	120	U	2.0	U	1.8	U	2.0	U	2.0	U	1.9	U	210	U	1.8	U
1,2,4-Trichlorobenzene	69.3	130	U	2.2	U	2.1	U	2.2	U	2.2	U	2.1	U	240	U	2.0	U
1,2,4-Trimethylbenzene	58	149	J	1.1	U	1.0	U	53.0		1.1	U	1.0	U	1,980		2,230	
1,3,5-Trimethylbenzene	24.8	66	U	1.1	U	1.0	U	97.1		1.1	U	1.0	U	120	U	3,060	
Toluene	252	66	U	1.1	U	1.0	U	1.1	U	1.1	U	1.0	U	120	U	0.99	U
m,p-Xylene	82	129	J	2.1	U	2.0	U	180		2.1	U	2.0	U	635	J	327	
o-Xylene	99.5	116	J	1.1	U	1.0	U	150		1.1	U	1.0	U	380	J	146	
Total Petroleum Hydrocarbons	**mg/kg**	**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**	
TPH-GRO (C6-C10)	940 [3]	581		3.1	U	2.9	U	122		3.3	U	3.5	U	853		281	
TPH-DRO (C10-C22)	940 [3]	5.9	U	5.6	U	5.7	U	5.6	U	5.8	U	5.8	U	5.6	U	5.8	U
TPH-ORO (>C22-C36)	940 [3]	5.9	U	5.6	U	5.7	U	5.6	U	5.8	U	5.8	U	5.6	U	5.8	U
General Chemistry		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**	
Solids, Percent	NV	83.6		87.0		86.3		88.4		84.8		85.1		86.6		85.7	

Notes:

NMED = New Mexico Environment Department
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NV = No Value
TPH = Total Petroleum Hydrocarbons
Q = Laboratory Qualifier
B = Analyte found in associated method blank
U = Not Detected
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
ORO = Oil Range Organics

J = Estimated result. Result is between the Method Detection Limit (MDL) and the Reporting Limit (RL).

[1] NMED, June 2006. Technical Background Document for Development of Soil Screening Levels, Revision 4.0.

[2] If results are not detected (U) then the value is set at the Method Detection Limit (MDL)

[3] NMED, October 2006. TPH Screening Guidelines (Kerosene and Jet Fuel, Residential Direct Exposure)

Bold value indicates analytes above NMED Soil Screening Levels (Rev 4.0, June 2006) or combined TPH results above NMED TPH Screening Guidelines for Kerosene and Jet Fuel (Table 2b, Oct 2006)

Table 6-1
Soil Boring Analytical Results Pipeline T-Junction PCS Source Area (Nov-Dec 2008)
SS-61 Addendum Letter Report
Holloman Air Force Base, New Mexico

Client Sample ID:	Soil Screening Levels	SS61-SB10-35		SS61-SB11-25		SS61-SB11-28		SS61-SB11-35		SS61-SB12-25		SS61-SB12-28		SS61-SB12-33		SS61-SB13-20	
Lab Sample ID:	NMED	F61707-7		F61708-1		F61708-2		F61708-3		F61708-4		F61708-5		F61708-6		F61737-1	
Date Sampled:	Residential[1]	11/19/2008		11/20/2008		11/20/2008		11/20/2008		11/20/2008		11/20/2008		11/20/2008		11/20/2008	
Analyte		Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q
Volatile Organic Compounds	mg/kg	µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg	
Acetone	28,100	23	U	24	U	1,800	U	26	U	23	U	1,500	U	26	U	87.4	
Benzene	10.3	694		0.95	U	70	U	1.0	U	0.93	U	653		5.1	J	1.2	U
n-Butylbenzene	62.1	1.3	U	1.3	U	225	J	1.4	U	1.3	U	84	U	1.5	U	1.7	U
sec-Butylbenzene	60.6	13.5		1.0	U	1,910		1.1	U	1.0	U	368		2.0	J	1.3	U
tert-Butylbenzene	106	6.8		1.0	U	854		1.1	U	1.0	U	140	J	1.2	U	1.3	U
Chlorobenzene	194	0.91	U	0.95	U	70	U	1.0	U	0.93	U	60	U	1.1	U	1.2	U
Chloroform	4	1.5	U	1.6	U	120	U	1.7	U	1.6	U	100	U	1.8	U	2.1	U
Carbon disulfide	460	1.0	U	1.0	U	77	U	1.3	J	1.0	U	66	U	1.2	U	1.3	U
1,1-Dichloroethylene	206	1.2	U	1.2	U	91	U	1.6	J	1.2	U	78	U	1.4	U	1.6	U
1,2-Dichloroethane	6.04	1.0	U	1.0	U	77	U	1.1	U	1.0	U	66	U	1.2	U	1.3	U
m-Dichlorobenzene	32.6	0.91	U	0.95	U	70	U	1.0	U	0.93	U	60	U	1.1	U	1.2	U
o-Dichlorobenzene	37.4	0.91	U	0.95	U	70	U	1.0	U	0.93	U	60	U	1.1	U	1.2	U
p-Dichlorobenzene	39.5	0.91	U	0.95	U	70	U	1.0	U	0.93	U	60	U	1.1	U	1.2	U
Ethylbenzene	128	167		0.95	U	13,600		1.0	U	0.93	U	3,340		1.1	U	1.2	U
2-Hexanone	NV	4.5	U	4.8	U	350	U	5.1	U	4.7	U	300	U	5.3	U	6.0	U
Hexane	38	2.2	U	2.3	U	170	U	2.5	U	2.2	U	140	U	2.5	U	2.9	U
Isopropylbenzene	271	1,230		1.0	U	99,200		1.1	U	1.0	U	21,600		60.9		1.3	U
p-Isopropyltoluene	NV	1.0	U	1.0	U	77	U	1.1	U	1.0	U	66	U	1.2	U	1.3	U
4-Methyl-2-pentanone	NV	5.8	U	6.1	U	450	U	6.5	U	6.0	U	380	U	6.7	U	7.7	U
Methylene chloride	182	4.5	U	5.7	JB	350	U	6.3	JB	5.0	JB	484	JB	7.7	JB	30.8	B
Naphthalene	79.5	1.8	U	1.9	U	140	U	2.0	U	1.9	U	120	U	2.1	U	2.4	U
n-Propylbenzene	62.1	36.8		1.1	U	7,080		1.2	U	1.1	U	711		4.9	J	1.4	U
1,1,2,2-Tetrachloroethane	5.55	1.6	U	1.7	U	130	U	1.8	U	1.7	U	110	U	1.9	U	2.2	U
1,2,4-Trichlorobenzene	69.3	1.8	U	1.9	U	140	U	2.0	U	1.9	U	120	U	2.1	U	2.4	U
1,2,4-Trimethylbenzene	58	149		0.95	U	70	U	1.0	U	0.93	U	324		1.5	J	1.2	U
1,3,5-Trimethylbenzene	24.8	25.7		0.95	U	70	U	1.0	U	0.93	U	387	J	1.1	U	1.2	U
Toluene	252	0.91	U	0.95	U	70	U	1.0	U	0.93	U	747		1.1	U	1.2	U
m,p-Xylene	82	129		1.8	U	130	U	1.9	U	1.8	U	1,410		3.3	J	2.3	U
o-Xylene	99.5	35.7		0.95	U	70	U	1.0	U	0.93	U	1,390		1.6	J	1.2	U
Total Petroleum Hydrocarbons	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
TPH-GRO (C6-C10)	940 [3]	27.9		2.8	U	**2,360**		2.9	U	2.9	U	339		15.8		3.3	U
TPH-DRO (C10-C22)	940 [3]	5.8	U	5.7	U	6.2	U	5.4	U	5.6	U	5.9	U	5.8	U	6.3	U
TPH-ORO (>C22-C36)	940 [3]	5.8	U	5.7	U	6.2	U	5.4	U	5.6	U	5.9	U	5.8	U	6.3	U
General Chemistry		%		%		%		%		%		%		%		%	
Solids, Percent	NV	85.1		87.5		81.2		90.7		87.2		84.9		84.0		78.9	

Notes:

NMED = New Mexico Environment Department
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NV = No Value
TPH = Total Petroleum Hydrocarbons
Q = Laboratory Qualifier
B = Analyte found in associated method blank
U = Not Detected
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
ORO = Oil Range Organics

J = Estimated result. Result is between the Method Detection Limit (MDL) and the Reporting Limit (RL).
[1]NMED, June 2006. Technical Background Document for Development of Soil Screening Levels, Revision 4.0.
[2] If results are not detected (U) then the value is set at the Method Detection Limit (MDL)
[3] NMED, October 2006. TPH Screening Guidelines (Kerosene and Jet Fuel, Residential Direct Exposure)
Bold value indicates analytes above NMED Soil Screening Levels (Rev 4.0, June 2006) or combined TPH results above NMED TPH Screening Guidelines for Kerosene and Jet Fuel (Table 2b, Oct 2006)

Table 6-1
Soil Boring Analytical Results Pipeline T-Junction PCS Source Area (Nov-Dec 2008)
SS-61 Addendum Letter Report
Holloman Air Force Base, New Mexico

Client Sample ID:	Soil Screening Levels	SS61-SB13-29		SS61-SB13-29-a		SS61-SB13-35		SS61-SB14-20		SS61-SB14-28		SS61-SB14-40		SS61-SB15-22		SS61-SB15-25	
Lab Sample ID:	NMED	F61737-2		F61737-3		F61737-4		F61736-1		F61736-2		F61736-3		F61736-4		F61736-5	
Date Sampled:	Residential[1]	11/20/2008		11/20/2008		11/20/2008		11/21/2008		11/21/2008		11/21/2008		11/21/2008		11/21/2008	
Analyte		**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**
Volatile Organic Compounds	**mg/kg**	**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**	
Acetone	28,100	9,100	U	8,600	U	42.1	J	28	U	11,000	U	29	U	27	U	4,100	U
Benzene	10.3	1,930		3,560		6.7		1.1	U	**18,500**		208		1.1	U	455	J
n-Butylbenzene	62.1	510	U	480	U	1.6	U	1.5	U	620	U	1.6	U	1.5	U	230	U
sec-Butylbenzene	60.6	1,380	J	1,730		1.3	U	1.2	U	750	J	1.3	U	1.4	J	758	J
tert-Butylbenzene	106	662	J	710	J	1.3	U	1.2	U	480	U	1.3	U	1.2	U	278	J
Chlorobenzene	194	360	U	340	U	1.1	U	1.1	U	440	U	1.2	U	1.1	U	160	U
Chloroform	4	620	U	590	U	1.9	U	2.6	J	750	U	2.0	U	1.8	U	280	U
Carbon disulfide	460	400	U	380	U	1.3	U	1.2	U	480	U	1.3	U	1.2	U	180	U
1,1-Dichloroethylene	206	470	U	450	U	1.5	U	1.4	U	570	U	1.5	U	1.4	U	210	U
1,2-Dichloroethane	6.04	400	U	380	U	1.9	J	1.2	U	480	U	1.3	U	1.2	U	180	U
m-Dichlorobenzene	32.6	360	U	340	U	1.1	U	1.1	U	440	U	1.2	U	1.1	U	160	U
o-Dichlorobenzene	37.4	360	U	340	U	1.1	U	1.1	U	440	U	1.2	U	1.1	U	160	U
p-Dichlorobenzene	39.5	360	U	340	U	1.1	U	1.1	U	440	U	1.2	U	1.1	U	160	U
Ethylbenzene	128	7,770		12,000		1.1	U	1.1	U	17,500		1.2	U	1.1	U	160	U
2-Hexanone	NV	1,800	U	1,700	U	5.7	U	5.5	U	2,200	U	5.8	U	5.3	U	820	U
Hexane	38	870	U	830	U	2.7	U	2.6	U	1,100	U	2.8	U	2.6	U	390	U
Isopropylbenzene	271	56,400		68,900		7.4		1.2	U	49,500		98.9		37.0		24,700	
p-Isopropyltoluene	NV	400	U	380	U	1.3	U	1.2	U	480	U	1.3	U	1.2	U	180	U
4-Methyl-2-pentanone	NV	2,300	U	2,200	U	7.3	U	7.1	U	2,800	U	7.4	U	6.8	U	1,000	U
Methylene chloride	182	1,800	U	1,700	U	7.3	JB	25.5		2,580	J	50.0		29.8		857	J
Naphthalene	79.5	730	U	690	U	2.3	U	2.2	U	880	U	2.3	U	2.1	U	330	U
n-Propylbenzene	62.1	2,410		3,190		1.4	U	1.3	U	2,930		3.3	J	1.3	U	942	
1,1,2,2-Tetrachloroethane	5.55	650	U	620	U	2.1	U	2.0	U	790	U	2.1	U	1.9	U	290	U
1,2,4-Trichlorobenzene	69.3	730	U	690	U	2.3	U	2.2	U	880	U	2.3	U	2.1	U	330	U
1,2,4-Trimethylbenzene	58	360	U	561	J	1.1	U	1.1	U	16,900		1.2	U	1.1	U	658	J
1,3,5-Trimethylbenzene	24.8	360	U	340	U	1.1	U	1.1	U	1,750	J	1.2	U	1.1	U	160	U
Toluene	252	360	U	340	U	1.1	U	1.1	U	440	U	1.2	U	1.1	U	160	U
m,p-Xylene	82	690	U	660	U	2.2	U	2.1	U	2,490	J	2.2	U	2.0	U	310	U
o-Xylene	99.5	360	U	340	U	1.1	U	1.1	U	440	U	1.2	U	1.1	U	160	U
Total Petroleum Hydrocarbons	**mg/kg**	**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**	
TPH-GRO (C6-C10)	940 [3]	822		**1,130**		3.8	U	3.4	U	**1,800**		4.50	J	3.4	U	376	
TPH-DRO (C10-C22)	940 [3]	6.5	U	6.3	U	6.5	U	6.4	U	8.24	J	6.8	U	6.4	U	6.9	U
TPH-ORO (>C22-C36)	940 [3]	6.5	U	6.3	U	6.5	U	6.4	U	8.18	J	6.8	U	6.4	U	6.9	U
General Chemistry		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**	
Solids, Percent	NV	75.7		77.9		77.0		77.5		71.8		72.8		77.8		71.9	

Notes:

NMED = New Mexico Environment Department
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NV = No Value
TPH = Total Petroleum Hydrocarbons
Q = Laboratory Qualifier
B = Analyte found in associated method blank
U = Not Detected
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
ORO = Oil Range Organics

J = Estimated result. Result is between the Method Detection Limit (MDL) and the Reporting Limit (RL).

[1]NMED, June 2006. Technical Background Document for Development of Soil Screening Levels, Revision 4.0.

[2] If results are not detected (U) then the value is set at the Method Detection Limit (MDL)

[3] NMED, October 2006. TPH Screening Guidelines (Kerosene and Jet Fuel, Residential Direct Exposure)

Bold value indicates analytes above NMED Soil Screening Levels (Rev 4.0, June 2006) or combined TPH results above NMED TPH Screening Guidelines for Kerosene and Jet Fuel (Table 2b, Oct 2006)

Table 6-1
Soil Boring Analytical Results Pipeline T-Junction PCS Source Area (Nov-Dec 2008)
SS-61 Addendum Letter Report
Holloman Air Force Base, New Mexico

Client Sample ID:	Soil Screening Levels	SS61-SB15-33		SS61-SB16-20		SS61-SB16-27		SS61-SB16-27		SS61-SB16-27-a		SS61-SB16-35		SS61-SB17-25		SS61-SB17-29	
Lab Sample ID:	NMED	F61736-6		F61776-1		F61776-2A		F61776-2		F61776-3		F61776-4		F61776-5		F61776-6A	
Date Sampled:	Residential[1]	11/21/2008		11/21/2008		11/21/2008		11/21/2008		11/21/2008		11/21/2008		11/21/2008		11/21/2008	
Analyte		**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result2**	**Q**
Volatile Organic Compounds	**mg/kg**	**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**	
Acetone	28,100	27	U	40.1	J	NA		10,000	U	15,000	U	50.2	J	25	U	NA	
Benzene	10.3	74.5		0.96	U	NA		**18,800**		6,230		32.2		0.99	U	NA	
n-Butylbenzene	62.1	1.5	U	1.3	U	NA		580	U	830	U	1.5	U	1.4	U	NA	
sec-Butylbenzene	60.6	1.2	U	1.1	U	NA		2,820		1,200	J	1.2	U	1.1	U	NA	
tert-Butylbenzene	106	1.2	U	1.1	U	NA		1,140	J	650	U	1.2	U	1.1	U	NA	
Chlorobenzene	194	1.1	U	0.96	U	NA		420	U	590	U	1.1	U	0.99	U	NA	
Chloroform	4	1.8	U	1.6	U	NA		710	U	1,000	U	1.9	U	1.7	U	NA	
Carbon disulfide	460	1.2	U	1.1	U	NA		460	U	650	U	1.2	U	1.3	J	NA	
1,1-Dichloroethylene	206	1.4	U	1.2	U	NA		540	U	770	U	1.4	U	1.3	U	NA	
1,2-Dichloroethane	6.04	4.8	J	1.1	U	NA		460	U	650	U	3.1	J	1.1	U	NA	
m-Dichlorobenzene	32.6	1.1	U	0.96	U	NA		420	U	590	U	1.1	U	0.99	U	NA	
o-Dichlorobenzene	37.4	1.1	U	0.96	U	NA		420	U	590	U	1.1	U	0.99	U	NA	
p-Dichlorobenzene	39.5	1.1	U	0.96	U	NA		420	U	590	U	1.1	U	0.99	U	NA	
Ethylbenzene	128	1.1	U	0.96	U	NA		21,200		590	U	1.1	U	0.99	U	NA	
2-Hexanone	NV	5.3	U	4.8	U	NA		2,100	U	3,000	U	5.5	U	5.0	U	NA	
Hexane	38	2.6	U	2.3	U	NA		10,400		1,400	U	2.6	U	2.4	U	NA	
Isopropylbenzene	271	25.8		1.1	U	NA		150,000		62,800		1.2	U	1.1	U	NA	
p-Isopropyltoluene	NV	1.2	U	1.1	U	NA		460	U	650	U	1.2	U	1.1	U	NA	
4-Methyl-2-pentanone	NV	6.8	U	6.1	U	NA		2,700	U	3,800	U	7.0	U	6.4	U	NA	
Methylene chloride	182	16.1		4.8	U	NA		2,100	U	3,000	U	5.5	U	6.9	JB	NA	
Naphthalene	79.5	2.1	U	1.9	U	NA		830	U	1,200	U	2.2	U	2.0	U	NA	
n-Propylbenzene	62.1	1.3	U	1.1	U	NA		6,270		2,750	J	1.3	U	1.2	U	NA	
1,1,2,2-Tetrachloroethane	5.55	1.9	U	1.7	U	NA		750	U	1,100	U	2.0	U	1.8	U	NA	
1,2,4-Trichlorobenzene	69.3	2.1	U	1.9	U	NA		830	U	1,200	U	2.2	U	2.0	U	NA	
1,2,4-Trimethylbenzene	58	2.7	J	0.96	U	NA		22,600		8,050		1.1	U	0.99	U	NA	
1,3,5-Trimethylbenzene	24.8	1.2	J	0.96	U	NA		3,020		590	U	1.1	U	0.99	U	NA	
Toluene	252	1.1	U	0.96	U	NA		4,500		1,010	J	1.1	U	0.99	U	NA	
m,p-Xylene	82	2.0	U	1.8	U	NA		25,600		4,890	J	2.1	U	1.9	U	NA	
o-Xylene	99.5	1.1	U	0.96	U	NA		18,500		5,020		1.1	U	0.99	U	NA	
Total Petroleum Hydrocarbons	**mg/kg**	**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**	
TPH-GRO (C6-C10)	940 [3]	3.6	U	2.8	U	**4,120**		NA		**1,490**		3.4	U	2.9	U	**6,300**	
TPH-DRO (C10-C22)	940 [3]	6.5	U	5.6	U	15.2		NA		9.81		53.4		5.7	U	8.92	J
TPH-ORO (>C22-C36)	940 [3]	6.5	U	5.6	U	15.7		NA		19.6		141		5.7	U	6.8	U
General Chemistry		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**	
Solids, Percent	NV	76.8		88.4		NA		70.9		83.9		80.9		87.5		NA	

Notes:

NMED = New Mexico Environment Department
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NV = No Value
TPH = Total Petroleum Hydrocarbons
Q = Laboratory Qualifier
B = Analyte found in associated method blank
U = Not Detected
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
ORO = Oil Range Organics

J = Estimated result. Result is between the Method Detection Limit (MDL) and the Reporting Limit (RL).

[1] NMED, June 2006. Technical Background Document for Development of Soil Screening Levels, Revision 4.0.

[2] If results are not detected (U) then the value is set at the Method Detection Limit (MDL)

[3] NMED, October 2006. TPH Screening Guidelines (Kerosene and Jet Fuel, Residential Direct Exposure)

Bold value indicates analytes above NMED Soil Screening Levels (Rev 4.0, June 2006) or combined TPH results above NMED TPH Screening Guidelines for Kerosene and Jet Fuel (Table 2b, Oct 2006)

Table 6-1
Soil Boring Analytical Results Pipeline T-Junction PCS Source Area (Nov-Dec 2008)
SS-61 Addendum Letter Report
Holloman Air Force Base, New Mexico

Client Sample ID:	Soil Screening Levels	SS61-SB17-29		SS61-SB17-35		SS61-SB18-24		SS61-SB18-28		SS61-SB18-35		SS61-SB19-25		SS61-SB19-28		SS61-SB19-28	
Lab Sample ID:	NMED	F61776-6		F61776-7		F61776-8		F61776-9		F61776-10		F61775-2		F61775-1A		F61775-1	
Date Sampled:	Residential[1]	11/21/2008		11/21/2008		11/21/2008		11/21/2008		11/21/2008		11/22/2008		11/22/2008		11/22/2008	
Analyte		Result2	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q
Volatile Organic Compounds	mg/kg	µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg	
Acetone	28,100	20,000	U	25	U	24	U	33,000	U	25	U	31.0	J	NA		2,000	U
Benzene	10.3	8,630		1.0	U	0.97	U	1,300	U	1.0	U	0.96	U	NA		80	U
n-Butylbenzene	62.1	1,100	U	1.4	U	1.4	U	1,800	U	1.4	U	1.3	U	NA		110	U
sec-Butylbenzene	60.6	2,930	J	1.1	U	1.1	U	4,270	J	1.1	U	1.1	U	NA		283	J
tert-Butylbenzene	106	1,310	J	1.1	U	1.1	U	1,790	J	1.1	U	1.1	U	NA		88	U
Chlorobenzene	194	780	U	1.0	U	0.97	U	1,300	U	1.0	U	0.96	U	NA		80	U
Chloroform	4	1,300	U	1.7	U	1.7	U	2,200	U	1.7	U	1.6	U	NA		140	U
Carbon disulfide	460	860	U	1.1	U	1.1	U	1,400	U	1.1	U	1.1	U	NA		88	U
1,1-Dichloroethylene	206	1,000	U	1.3	U	1.3	U	1,700	U	1.3	U	1.3	U	NA		100	U
1,2-Dichloroethane	6.04	860	U	1.1	U	1.1	U	1,400	U	1.1	U	1.1	U	NA		88	U
m-Dichlorobenzene	32.6	780	U	1.1	J	0.97	U	1,300	U	1.0	U	0.96	U	NA		80	U
o-Dichlorobenzene	37.4	780	U	4.4	J	0.97	U	1,300	U	1.0	U	0.96	U	NA		80	U
p-Dichlorobenzene	39.5	780	U	1.8	J	0.97	U	1,300	U	1.0	U	0.96	U	NA		80	U
Ethylbenzene	128	49,800		1.0	U	0.97	U	34,400		1.0	U	0.96	U	NA		2,550	
2-Hexanone	NV	3,900	U	5.0	U	4.9	U	6,500	U	5.0	U	4.8	U	NA		400	U
Hexane	38	1,900	U	2.4	U	2.3	U	3,100	U	2.4	U	2.3	U	NA		190	U
Isopropylbenzene	271	173,000		1.1	U	1.9	J	233,000		1.1	U	1.1	U	NA		11,600	
p-Isopropyltoluene	NV	860	U	1.1	U	1.1	U	1,400	U	1.1	U	1.1	U	NA		88	U
4-Methyl-2-pentanone	NV	19,700	J	6.4	U	6.2	U	8,400	U	6.4	U	6.2	U	NA		510	U
Methylene chloride	182	3,900	U	5.0	U	4.9	U	8,860	JB	7.4	JB	4.8	JB	NA		728	JB
Naphthalene	79.5	1,600	U	2.0	U	1.9	U	2,600	U	2.0	U	1.9	U	NA		160	U
n-Propylbenzene	62.1	10,900		1.2	U	1.2	U	15,100		1.2	U	1.2	U	NA		904	
1,1,2,2-Tetrachloroethane	5.55	1,400	U	1.8	U	1.8	U	2,400	U	1.8	U	1.7	U	NA		140	U
1,2,4-Trichlorobenzene	69.3	1,600	U	2.0	U	1.9	U	2,600	U	2.0	U	1.9	U	NA		160	U
1,2,4-Trimethylbenzene	58	4,610		1.0	U	0.97	U	6,440	J	1.0	U	0.96	U	NA		354	J
1,3,5-Trimethylbenzene	24.8	780	U	1.0	U	0.97	U	1,710	J	1.0	U	0.96	U	NA		159	J
Toluene	252	780	U	1.0	U	0.97	U	1,300	U	1.0	U	0.96	U	NA		80	U
m,p-Xylene	82	8,700		1.9	U	1.9	U	6,910	J	1.9	U	1.8	U	NA		923	
o-Xylene	99.5	3,220	J	1.0	U	0.97	U	6,330	J	1.0	U	0.96	U	NA		327	J
Total Petroleum Hydrocarbons	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
TPH-GRO (C6-C10)	940 [3]	NA		2.9	U	2.9	U	**6,340**		2.8	U	2.8	U	411		NA	
TPH-DRO (C10-C22)	940 [3]	NA		5.7	U	5.7	U	5.9	U	5.6	U	5.6	U	6.8	U	NA	
TPH-ORO (>C22-C36)	940 [3]	NA		5.7	U	5.7	U	5.9	U	5.6	U	5.6	U	6.8	U	NA	
General Chemistry		%		%		%		%		%		%		%		%	
Solids, Percent	NV	73.3		87.1		86.3		83.2		88.6		86.7		NA		73.1	

Notes:

NMED = New Mexico Environment Department
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NV = No Value
TPH = Total Petroleum Hydrocarbons
Q = Laboratory Qualifier
B = Analyte found in associated method blank
U = Not Detected
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
ORO = Oil Range Organics

J = Estimated result. Result is between the Method Detection Limit (MDL) and the Reporting Limit (RL).

[1] NMED, June 2006. Technical Background Document for Development of Soil Screening Levels, Revision 4.0.

[2] If results are not detected (U) then the value is set at the Method Detection Limit (MDL)

[3] NMED, October 2006. TPH Screening Guidelines (Kerosene and Jet Fuel, Residential Direct Exposure)

Bold value indicates analytes above NMED Soil Screening Levels (Rev 4.0, June 2006) or combined TPH results above NMED TPH Screening Guidelines for Kerosene and Jet Fuel (Table 2b, Oct 2006)

Table 6-1
Soil Boring Analytical Results Pipeline T-Junction PCS Source Area (Nov-Dec 2008)
SS-61 Addendum Letter Report
Holloman Air Force Base, New Mexico

Client Sample ID:	Soil Screening Levels	SS61-SB19-40		SS61-SB20-25		SS61-SB20-29		SS61-SB20-29-a		SS61-SB20-35		SS61-SB21-25		SS61-SB21-28		SS61-SB21-28	
Lab Sample ID:	NMED	F61775-3		F61775-4		F61775-5		F61775-6		F61775-7		F61772-1		F61772-2A		F61772-2	
Date Sampled:	Residential[1]	11/22/2008		11/22/2008		11/22/2008		11/22/2008		11/22/2008		11/23/2008		11/23/2008		11/23/2008	
Analyte		**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**
Volatile Organic Compounds	**mg/kg**	**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**	
Acetone	28,100	25	U	42.5	J	1,800	U	3,300	U	24	U	36.5	J	NA		3,900	U
Benzene	10.3	0.99	U	0.98	U	819		670		1.1	J	1.1	U	NA		2,400	
n-Butylbenzene	62.1	1.4	U	1.4	U	99	U	180	U	1.4	U	1.5	U	NA		220	U
sec-Butylbenzene	60.6	1.1	U	1.1	U	780		287	J	1.1	U	1.2	U	NA		1,840	
tert-Butylbenzene	106	1.1	U	1.1	U	306	J	140	U	1.1	U	1.2	U	NA		637	J
Chlorobenzene	194	0.99	U	0.98	U	71	U	130	U	0.97	U	1.1	U	NA		160	U
Chloroform	4	1.7	U	1.7	U	120	U	220	U	1.7	U	1.8	U	NA		270	U
Carbon disulfide	460	1.1	U	1.1	U	78	U	140	U	1.1	U	1.2	U	NA		170	U
1,1-Dichloroethylene	206	1.3	U	1.3	U	92	U	170	U	1.3	U	1.4	U	NA		200	U
1,2-Dichloroethane	6.04	1.1	U	1.1	U	78	U	140	U	1.1	U	1.5	J	NA		170	U
m-Dichlorobenzene	32.6	0.99	U	0.98	U	71	U	130	U	0.97	U	1.1	U	NA		160	U
o-Dichlorobenzene	37.4	0.99	U	0.98	U	71	U	130	U	0.97	U	1.1	U	NA		160	U
p-Dichlorobenzene	39.5	0.99	U	0.98	U	71	U	130	U	0.97	U	1.1	U	NA		160	U
Ethylbenzene	128	0.99	U	0.98	U	6,430		130	U	0.97	U	1.1	U	NA		7,000	
2-Hexanone	NV	5.0	U	4.9	U	350	U	650	U	4.9	U	5.3	U	NA		790	U
Hexane	38	2.4	U	2.3	U	170	U	310	U	2.3	U	2.6	U	NA		380	U
Isopropylbenzene	271	3.7	J	1.1	U	29,100		12,800		1.1	U	22.3		NA		56,100	
p-Isopropyltoluene	NV	1.1	U	1.1	U	78	U	140	U	1.1	U	1.2	U	NA		170	U
4-Methyl-2-pentanone	NV	6.4	U	6.3	U	450	U	830	U	6.2	U	6.8	U	NA		1,000	U
Methylene chloride	182	5.0	U	4.9	U	415	J	2,620	B	5.6	JB	5.3	U	NA		6,000	
Naphthalene	79.5	2.0	U	2.0	U	140	U	260	U	1.9	U	2.1	U	NA		310	U
n-Propylbenzene	62.1	1.2	U	1.2	U	1,740		651		1.2	U	1.3	U	NA		2,610	
1,1,2,2-Tetrachloroethane	5.55	1.8	U	1.8	U	130	U	230	U	1.7	U	1.9	U	NA		280	U
1,2,4-Trichlorobenzene	69.3	2.0	U	2.0	U	140	U	260	U	1.9	U	2.1	U	NA		310	U
1,2,4-Trimethylbenzene	58	0.99	U	0.98	U	3,380		2,380		0.97	U	1.1	U	NA		160	U
1,3,5-Trimethylbenzene	24.8	0.99	U	0.98	U	1,500	J	130	U	0.97	U	1.1	U	NA		160	U
Toluene	252	0.99	U	0.98	U	71	U	276	J	0.97	U	1.1	U	NA		160	U
m,p-Xylene	82	1.9	U	1.9	U	3,720		2,650		1.8	U	2.0	U	NA		497	J
o-Xylene	99.5	0.99	U	0.98	U	2,110		2,160		0.97	U	1.1	U	NA		160	U
Total Petroleum Hydrocarbons	**mg/kg**	**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**	
TPH-GRO (C6-C10)	940 [3]	2.8	U	2.7	U	671		327		2.7	U	3.4	U	**2,570**		NA	
TPH-DRO (C10-C22)	940 [3]	5.8	U	5.6	U	6.1	U	5.9	U	5.5	U	6.3	U	11	U	NA	
TPH-ORO (>C22-C36)	940 [3]	5.8	U	5.6	U	6.1	U	5.9	U	5.5	U	6.3	U	11	U	NA	
General Chemistry		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**	
Solids, Percent	NV	85.3		88.1		80.3		83.1		91.1		78.9		NA		45.7	

Notes:

NMED = New Mexico Environment Department
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NV = No Value
TPH = Total Petroleum Hydrocarbons
Q = Laboratory Qualifier
B = Analyte found in associated method blank
U = Not Detected
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
ORO = Oil Range Organics

J = Estimated result. Result is between the Method Detection Limit (MDL) and the Reporting Limit (RL).

[1] NMED, June 2006. Technical Background Document for Development of Soil Screening Levels, Revision 4.0.

[2] If results are not detected (U) then the value is set at the Method Detection Limit (MDL)

[3] NMED, October 2006. TPH Screening Guidelines (Kerosene and Jet Fuel, Residential Direct Exposure)

Bold value indicates analytes above NMED Soil Screening Levels (Rev 4.0, June 2006) or combined TPH results above NMED TPH Screening Guidelines for Kerosene and Jet Fuel (Table 2b, Oct 2006)

Table 6-1
Soil Boring Analytical Results Pipeline T-Junction PCS Source Area (Nov-Dec 2008)
SS-61 Addendum Letter Report
Holloman Air Force Base, New Mexico

Client Sample ID:	Soil Screening Levels	SS61-SB21-35		SS61-SB22-22		SS61-SB22-26		SS61-SB22-35		SS61-SB23-16		SS61-SB23-26		SS61-SB23-26		SS61-SB23-26-a	
Lab Sample ID:	NMED	F61772-3		F61772-4		F61772-5		F61772-6		F61772-7		F61772-8A		F61772-8		F61772-9	
Date Sampled:	Residential[1]	11/23/2008		11/23/2008		11/23/2008		11/23/2008		11/23/2008		11/23/2008		11/23/2008		11/23/2008	
Analyte		**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**
Volatile Organic Compounds	**mg/kg**	**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**	
Acetone	28,100	31	U	28	U	1,900	U	33	U	27	U	NA		9,000	U	9,300	U
Benzene	10.3	11.6		1.1	U	112	J	165		1.1	U	NA		**23,000**		**24,400**	
n-Butylbenzene	62.1	1.8	U	1.6	U	110	U	1.9	U	1.5	U	NA		500	U	520	U
sec-Butylbenzene	60.6	1.4	U	1.2	U	225	J	1.5	U	1.2	U	NA		1,070	J	1,210	J
tert-Butylbenzene	106	1.4	U	1.2	U	111	J	1.5	U	1.2	U	NA		551	J	494	J
Chlorobenzene	194	1.3	U	1.1	U	76	U	1.3	U	1.1	U	NA		360	U	370	U
Chloroform	4	2.1	U	1.9	U	130	U	2.3	U	1.8	U	NA		610	U	630	U
Carbon disulfide	460	1.4	U	1.2	U	83	U	1.5	U	1.2	U	NA		400	U	410	U
1,1-Dichloroethylene	206	1.6	U	1.5	U	99	U	1.7	U	1.4	U	NA		470	U	480	U
1,2-Dichloroethane	6.04	1.4	U	1.2	U	83	U	1.5	U	1.2	U	NA		400	U	410	U
m-Dichlorobenzene	32.6	1.3	U	1.1	U	76	U	1.3	U	1.1	U	NA		360	U	370	U
o-Dichlorobenzene	37.4	1.3	U	1.1	U	76	U	1.3	U	1.1	U	NA		360	U	370	U
p-Dichlorobenzene	39.5	1.3	U	1.1	U	76	U	1.3	U	1.1	U	NA		360	U	370	U
Ethylbenzene	128	1.3	U	1.1	U	76	U	1.3	U	1.1	U	NA		22,800		25,100	
2-Hexanone	NV	6.3	U	5.6	U	380	U	6.7	U	5.4	U	NA		1,800	U	1,900	U
Hexane	38	3.0	U	2.7	U	180	U	3.2	U	2.6	U	NA		860	U	890	U
Isopropylbenzene	271	31.3		4.5	J	8,880		186		1.2	U	NA		53,600		58,900	
p-Isopropyltoluene	NV	1.4	U	1.2	U	83	U	1.5	U	1.2	U	NA		400	U	410	U
4-Methyl-2-pentanone	NV	8.1	U	7.2	U	490	U	8.5	U	6.9	U	NA		2,300	U	2,400	U
Methylene chloride	182	10.7	J	5.6	U	624	J	6.7	U	5.4	U	NA		2,500	J	1,990	J
Naphthalene	79.5	2.5	U	2.2	U	150	U	2.7	U	2.2	U	NA		720	U	750	U
n-Propylbenzene	62.1	1.5	U	1.3	U	152	J	1.6	U	1.3	U	NA		2,890		3,150	
1,1,2,2-Tetrachloroethane	5.55	2.3	U	2.0	U	140	U	2.4	U	2.0	U	NA		650	U	670	U
1,2,4-Trichlorobenzene	69.3	2.5	U	2.2	U	150	U	2.7	U	2.2	U	NA		720	U	750	U
1,2,4-Trimethylbenzene	58	1.3	U	1.1	U	76	U	1.3	U	1.1	U	NA		544	J	370	U
1,3,5-Trimethylbenzene	24.8	1.3	U	1.1	U	76	U	1.3	U	1.1	U	NA		360	U	370	U
Toluene	252	1.3	U	1.1	U	76	U	1.3	U	1.1	U	NA		360	U	370	U
m,p-Xylene	82	2.4	U	2.1	U	140	U	2.5	U	2.1	U	NA		1,300	J	913	J
o-Xylene	99.5	1.3	U	1.1	U	76	U	1.3	U	1.1	U	NA		2,950		3,300	
Total Petroleum Hydrocarbons	**mg/kg**	**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**	
TPH-GRO (C6-C10)	940 [3]	4.7	U	3.4	U	178		4.4	U	3.2	U	**4,910**		NA		**5,630**	
TPH-DRO (C10-C22)	940 [3]	7.3	U	6.3	U	6.5	U	7.0	U	5.8	U	6.3	U	NA		25.5	
TPH-ORO (>C22-C36)	940 [3]	7.3	U	6.3	U	6.5	U	7.0	U	5.8	U	6.3	U	NA		8.72	J
General Chemistry		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**	
Solids, Percent	NV	68.4		79.3		76.6		71.1		85.5		NA		78.2		77.0	

Notes:

NMED = New Mexico Environment Department
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NV = No Value
TPH = Total Petroleum Hydrocarbons
Q = Laboratory Qualifier
B = Analyte found in associated method blank
U = Not Detected
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
ORO = Oil Range Organics

J = Estimated result. Result is between the Method Detection Limit (MDL) and the Reporting Limit (RL).

[1] NMED, June 2006. Technical Background Document for Development of Soil Screening Levels, Revision 4.0.

[2] If results are not detected (U) then the value is set at the Method Detection Limit (MDL)

[3] NMED, October 2006. TPH Screening Guidelines (Kerosene and Jet Fuel, Residential Direct Exposure)

Bold value indicates analytes above NMED Soil Screening Levels (Rev 4.0, June 2006) or combined TPH results above NMED TPH Screening Guidelines for Kerosene and Jet Fuel (Table 2b, Oct 2006)

Table 6-1
Soil Boring Analytical Results Pipeline T-Junction PCS Source Area (Nov-Dec 2008)
SS-61 Addendum Letter Report
Holloman Air Force Base, New Mexico

Client Sample ID:	Soil Screening Levels	SS61-SB23-35		SS61-SB24-16		SS61-SB24-27		SS61-SB24-40		SS61-SB25-20		SS61-SB25-24		SS61-SB25-24		SS61-SB25-35	
Lab Sample ID:	NMED	F61772-10		F61771-1		F61771-2		F61771-3		F61771-4		F61771-5A		F61771-5		F61771-6	
Date Sampled:	Residential[1]	11/23/2008		11/23/2008		11/23/2008		11/23/2008		11/23/2008		11/23/2008		11/23/2008		11/23/2008	
Analyte		Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q
Volatile Organic Compounds	mg/kg	µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg	
Acetone	28,100	28	U	29	U	11,000	U	82.8		28	U	NA		7,800	U	29	U
Benzene	10.3	1,880		1.2	U	9,730		1.1	U	54.5		NA		5,310		3.8	J
n-Butylbenzene	62.1	1.6	U	1.6	U	610	U	1.6	U	1.6	U	NA		440	U	1.6	U
sec-Butylbenzene	60.6	19.3		1.3	U	1,020	J	1.3	U	1.2	U	NA		1,870		1.3	U
tert-Butylbenzene	106	7.9		1.3	U	495	J	1.3	U	1.2	U	NA		698	J	1.3	U
Chlorobenzene	194	1.1	U	1.2	U	440	U	1.1	U	1.1	U	NA		310	U	1.2	U
Chloroform	4	1.9	U	2.0	U	740	U	1.9	U	1.9	U	NA		530	U	2.0	U
Carbon disulfide	460	1.2	U	1.3	U	481	J	1.3	U	1.2	U	NA		340	U	1.3	U
1,1-Dichloroethylene	206	1.4	U	1.5	U	570	U	1.5	U	1.5	U	NA		410	U	1.5	U
1,2-Dichloroethane	6.04	1.8	J	1.3	U	480	U	1.8	J	1.2	U	NA		340	U	1.3	U
m-Dichlorobenzene	32.6	1.1	U	1.2	U	440	U	1.1	U	1.1	U	NA		310	U	2.4	J
o-Dichlorobenzene	37.4	1.1	U	1.2	U	440	U	2.0	J	1.1	U	NA		310	U	8.7	
p-Dichlorobenzene	39.5	1.1	U	1.2	U	440	U	1.1	U	1.1	U	NA		310	U	3.2	J
Ethylbenzene	128	120		1.2	U	440	U	1.1	U	1.1	U	NA		6,530		1.2	U
2-Hexanone	NV	5.6	U	5.8	U	2,200	U	5.7	U	5.6	U	NA		1,600	U	5.8	U
Hexane	38	2.7	U	2.8	U	6,130		2.7	U	2.7	U	NA		750	U	2.8	U
Isopropylbenzene	271	323	E	1.3	U	59,800		1.3	U	11.6		NA		53,100		16.0	
p-Isopropyltoluene	NV	1.2	U	1.3	U	480	U	1.3	U	1.2	U	NA		340	U	1.3	U
4-Methyl-2-pentanone	NV	7.1	U	7.4	U	2,800	U	7.3	U	7.2	U	NA		2,000	U	7.5	U
Methylene chloride	182	5.6	U	5.8	U	4,340	JB	5.7	U	5.6	U	NA		3,300	B	5.8	U
Naphthalene	79.5	2.2	U	2.3	U	870	U	2.3	U	2.3	U	NA		620	U	2.3	U
n-Propylbenzene	62.1	30.9		1.4	U	2,650		1.4	U	1.4	U	NA		3,010		1.4	U
1,1,2,2-Tetrachloroethane	5.55	2.0	U	2.1	U	790	U	2.1	U	2.0	U	NA		560	U	2.1	U
1,2,4-Trichlorobenzene	69.3	2.2	U	2.3	U	870	U	2.3	U	2.3	U	NA		620	U	2.3	U
1,2,4-Trimethylbenzene	58	2.2	J	1.2	U	21,600		1.1	U	1.1	U	NA		310	U	1.2	U
1,3,5-Trimethylbenzene	24.8	1.1	U	1.2	U	6,580		1.1	U	1.1	U	NA		310	U	1.2	U
Toluene	252	1.1	U	1.2	U	3,870		1.1	U	1.1	U	NA		310	U	1.2	U
m,p-Xylene	82	2.8	J	2.2	U	26,700		2.2	U	2.1	U	NA		590	U	2.2	U
o-Xylene	99.5	1.7	J	1.2	U	17,000		1.1	U	1.1	U	NA		310	U	1.2	U
Total Petroleum Hydrocarbons	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
TPH-GRO (C6-C10)	940 [3]	3.4	U	3.8	U	**1,500**		3.3	U	3.8	U	**1,600**		NA		3.5	U
TPH-DRO (C10-C22)	940 [3]	6.2	U	6.5	U	17.3		6.0	U	6.8	U	5.9	U	NA		6.5	U
TPH-ORO (>C22-C36)	940 [3]	6.2	U	6.5	U	7.2	U	6.0	U	6.8	U	5.9	U	NA		6.5	U
General Chemistry		%		%		%		%		%		%		%		%	
Solids, Percent	NV	80.0		76.0		69.0		83.1		73.8		NA		83.3		76.0	

Notes:

NMED = New Mexico Environment Department
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NV = No Value
TPH = Total Petroleum Hydrocarbons
Q = Laboratory Qualifier
B = Analyte found in associated method blank
U = Not Detected
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
ORO = Oil Range Organics

J = Estimated result. Result is between the Method Detection Limit (MDL) and the Reporting Limit (RL).

[1] NMED, June 2006. Technical Background Document for Development of Soil Screening Levels, Revision 4.0.

[2] If results are not detected (U) then the value is set at the Method Detection Limit (MDL)

[3] NMED, October 2006. TPH Screening Guidelines (Kerosene and Jet Fuel, Residential Direct Exposure)

Bold value indicates analytes above NMED Soil Screening Levels (Rev 4.0, June 2006) or combined TPH results above NMED TPH Screening Guidelines for Kerosene and Jet Fuel (Table 2b, Oct 2006)

Table 6-1
Soil Boring Analytical Results Pipeline T-Junction PCS Source Area (Nov-Dec 2008)
SS-61 Addendum Letter Report
Holloman Air Force Base, New Mexico

Client Sample ID:	Soil Screening Levels	SS61-SB26-19		SS61-SB26-24		SS61-SB26-24-a		SS61-SB26-40		SS61-SB27-20		SS61-SB27-28		SS61-SB27-35		SS61-SB28-20	
Lab Sample ID:	NMED	F61770-1		F61770-2		F61770-3		F61770-4		F61770-5		F61770-6		F61770-7		F61816-1	
Date Sampled:	Residential[1]	11/24/2008		11/24/2008		11/24/2008		11/24/2008		11/24/2008		11/24/2008		11/24/2008		11/24/2008	
Analyte		Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q
Volatile Organic Compounds	mg/kg	µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg	
Acetone	28,100	27	U	26	U	1,900	U	27	U	26	U	1,700	U	29	U	26	U
Benzene	10.3	5.6		92.2		217	J	1.1	U	46.6		1,370		1.9	J	9.0	
n-Butylbenzene	62.1	1.5	U	2.2	J	110	U	1.5	U	1.4	U	95	U	1.6	U	1.5	U
sec-Butylbenzene	60.6	1.2	U	47.3		379	J	1.2	U	1.1	U	339	J	1.3	U	1.2	U
tert-Butylbenzene	106	1.2	U	20.4		155	J	1.2	U	1.1	U	135	J	1.3	U	1.2	U
Chlorobenzene	194	1.1	U	1.0	U	77	U	1.1	U	1.0	U	68	U	1.2	U	1.1	U
Chloroform	4	1.8	U	1.8	U	130	U	1.9	U	1.7	U	120	U	2.0	U	1.8	U
Carbon disulfide	460	1.2	U	4.1	J	85	U	1.2	U	1.1	U	75	U	1.3	U	1.2	U
1,1-Dichloroethylene	206	1.4	U	1.4	U	100	U	1.4	U	1.3	U	88	U	1.5	U	1.4	U
1,2-Dichloroethane	6.04	1.2	U	1.2	U	85	U	4.5	J	1.6	J	75	U	1.3	U	1.2	U
m-Dichlorobenzene	32.6	1.1	U	1.0	U	77	U	1.2	J	1.0	U	68	U	1.2	U	1.1	U
o-Dichlorobenzene	37.4	1.1	U	1.0	U	77	U	4.2	J	1.0	U	68	U	1.2	U	1.1	U
p-Dichlorobenzene	39.5	1.1	U	1.0	U	77	U	1.6	J	1.0	U	68	U	1.2	U	1.1	U
Ethylbenzene	128	1.1	U	79.0		77	U	1.1	U	1.0	U	7,320		1.2	U	1.1	U
2-Hexanone	NV	5.4	U	5.2	U	390	U	5.5	U	5.1	U	340	U	5.8	U	5.3	U
Hexane	38	2.6	U	192		1,300		2.6	U	2.5	U	160	U	2.8	U	2.5	U
Isopropylbenzene	271	2.8	J	7,740		9,130		1.2	U	3.3	J	16,200		1.3	U	3.9	J
p-Isopropyltoluene	NV	1.2	U	3.9	J	85	U	1.2	U	1.1	U	75	U	1.3	U	1.2	U
4-Methyl-2-pentanone	NV	7.0	U	6.7	U	490	U	7.0	U	6.6	U	430	U	7.4	U	6.7	U
Methylene chloride	182	5.4	U	5.2	U	1,230		5.5	U	5.1	U	1,280		5.8	U	7.3	J
Naphthalene	79.5	2.2	U	2.8	J	150	U	2.2	U	2.1	U	140	U	2.3	U	2.1	U
n-Propylbenzene	62.1	1.3	U	25.3		224	J	1.3	U	1.2	U	1,810		1.4	U	1.3	U
1,1,2,2-Tetrachloroethane	5.55	2.0	U	1.9	U	140	U	2.0	U	1.8	U	120	U	2.1	U	1.9	U
1,2,4-Trichlorobenzene	69.3	2.2	U	2.1	U	150	U	2.2	U	2.1	U	140	U	2.3	U	2.1	U
1,2,4-Trimethylbenzene	58	1.1	U	171		1,960		1.1	U	1.0	U	68	U	1.2	U	1.1	U
1,3,5-Trimethylbenzene	24.8	1.1	U	99.7		940		1.1	U	1.0	U	68	U	1.2	U	1.1	U
Toluene	252	1.1	U	12.8		192	J	1.1	U	1.0	U	68	U	1.2	U	1.1	U
m,p-Xylene	82	2.1	U	157		3,290		2.1	U	2.0	U	130	U	2.2	U	2.0	U
o-Xylene	99.5	1.1	U	33.7		1,200		1.1	U	1.0	U	68	U	1.2	U	1.1	U
Total Petroleum Hydrocarbons	**mg/kg**	**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**	
TPH-GRO (C6-C10)	940 [3]	3.5	U	92.6		135		3.0	U	3.1	U	751		3.6	U	3.2	U
TPH-DRO (C10-C22)	940 [3]	6.3	U	5.9	U	6.8	U	5.7	U	6.1	U	6.4	U	6.4	U	5.8	U
TPH-ORO (>C22-C36)	940 [3]	6.3	U	5.9	U	6.8	U	5.7	U	6.1	U	6.4	U	6.4	U	5.8	U
General Chemistry		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**	
Solids, Percent	NV	78.8		83.9		73.6		87.8		82.4		78.3		77.5		84.8	

Notes:

NMED = New Mexico Environment Department
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NV = No Value
TPH = Total Petroleum Hydrocarbons
Q = Laboratory Qualifier
B = Analyte found in associated method blank
U = Not Detected
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
ORO = Oil Range Organics

J = Estimated result. Result is between the Method Detection Limit (MDL) and the Reporting Limit (RL).

[1] NMED, June 2006. Technical Background Document for Development of Soil Screening Levels, Revision 4.0.

[2] If results are not detected (U) then the value is set at the Method Detection Limit (MDL)

[3] NMED, October 2006. TPH Screening Guidelines (Kerosene and Jet Fuel, Residential Direct Exposure)

Bold value indicates analytes above NMED Soil Screening Levels (Rev 4.0, June 2006) or combined TPH results above NMED TPH Screening Guidelines for Kerosene and Jet Fuel (Table 2b, Oct 2006)

Table 6-1
Soil Boring Analytical Results Pipeline T-Junction PCS Source Area (Nov-Dec 2008)
SS-61 Addendum Letter Report
Holloman Air Force Base, New Mexico

Client Sample ID:	Soil Screening Levels	SS61-SB28-28		SS61-SB28-35		SS61-SB29-20		SS61-SB29-29		SS61-SB29-29		SS61-SB29-40		SS61-SB29-40		SS61-SB30-26	
Lab Sample ID:	NMED	F61816-2		F61816-3		F61816-4		F61816-5A		F61816-5		F61816-6A		F61816-6		F61817-1	
Date Sampled:	Residential[1]	11/24/2008		11/24/2008		11/24/2008		11/24/2008		11/24/2008		11/24/2008		11/24/2008		11/25/2008	
Analyte		Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q
Volatile Organic Compounds	mg/kg	µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg		µg/kg	
Acetone	28,100	2,000	U	23	U	25	U	3,200	U	3,200	U	29	U	29	U	23	U
Benzene	10.3	2,750		0.93	U	1.0	U	8,030		7,880		1,220		788		0.94	U
n-Butylbenzene	62.1	110	U	1.3	U	1.4	U	318	J	312	J	1.6	U	1.6	U	1.3	U
sec-Butylbenzene	60.6	721		1.0	U	1.1	U	1,980		1,940		1.3	U	1.3	U	1.0	U
tert-Butylbenzene	106	324	J	1.0	U	1.1	U	874		857		1.3	U	1.3	U	1.0	U
Chlorobenzene	194	81	U	0.93	U	1.0	U	130	U	130	U	1.2	U	1.1	U	0.94	U
Chloroform	4	140	U	1.6	U	1.7	U	220	U	210	U	2.0	U	1.9	U	1.6	U
Carbon disulfide	460	90	U	1.0	U	1.1	U	140	U	140	U	1.3	U	1.3	U	1.0	U
1,1-Dichloroethylene	206	110	U	1.2	U	1.3	U	170	U	160	U	1.5	U	1.5	U	1.2	U
1,2-Dichloroethane	6.04	90	U	1.0	U	1.1	U	140	U	140	U	23.4		22.9		1.0	U
m-Dichlorobenzene	32.6	81	U	0.93	U	1.0	U	130	U	130	U	1.2	U	1.1	U	0.94	U
o-Dichlorobenzene	37.4	81	U	0.93	U	1.0	U	130	U	130	U	1.2	U	1.1	U	0.94	U
p-Dichlorobenzene	39.5	81	U	0.93	U	1.0	U	130	U	130	U	1.2	U	1.1	U	0.94	U
Ethylbenzene	128	6,030		0.93	U	1.0	U	11,400		11,200		1.2	U	1.1	U	0.94	U
2-Hexanone	NV	410	U	4.6	U	5.1	U	640	U	630	U	5.9	U	5.7	U	4.7	U
Hexane	38	200	U	2.2	U	2.4	U	16,100		15,800		2.8	U	2.7	U	2.2	U
Isopropylbenzene	271	24,500		1.0	U	1.1	U	56,200		55,100		21.9		21.4		1.0	U
p-Isopropyltoluene	NV	90	U	1.0	U	1.1	U	441	J	433	J	1.3	U	1.3	U	1.0	U
4-Methyl-2-pentanone	NV	520	U	5.9	U	6.5	U	820	U	810	U	7.5	U	7.3	U	6.0	U
Methylene chloride	182	1,670		13.9		25.5		2,780		2,730		10.2	J	9.9	J	5.5	J
Naphthalene	79.5	1,180	J	1.9	U	2.0	U	260	U	250	U	2.3	U	2.3	U	1.9	U
n-Propylbenzene	62.1	1,660		1.1	U	1.2	U	3,260		3,200		1.4	U	1.4	U	1.1	U
1,1,2,2-Tetrachloroethane	5.55	150	U	1.7	U	1.8	U	230	U	230	U	2.1	U	2.1	U	1.7	U
1,2,4-Trichlorobenzene	69.3	468	J	1.9	U	2.0	U	260	U	250	U	2.3	U	2.3	U	1.9	U
1,2,4-Trimethylbenzene	58	1,680		0.93	U	1.0	U	25,400		24,900		2.6	J	2.6	J	0.94	U
1,3,5-Trimethylbenzene	24.8	180	J	0.93	U	1.0	U	13,100		12,900		1.2	U	1.1	U	0.94	U
Toluene	252	81	U	0.93	U	1.0	U	1,030		1,010		1.2	U	1.1	U	0.94	U
m,p-Xylene	82	1,020		1.8	U	1.9	U	20,100		19,800		2.2	U	2.2	U	1.8	U
o-Xylene	99.5	345	J	0.93	U	1.0	U	14,100		13,800		6.1		5.9		0.94	U
Total Petroleum Hydrocarbons	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
TPH-GRO (C6-C10)	940 [3]	623		2.7	U	3.1	U	**2,710**		NA		3.5	U	NA		2.7	U
TPH-DRO (C10-C22)	940 [3]	7.0	U	5.6	U	6.0	U	6.1	U	NA		6.4	U	NA		5.5	U
TPH-ORO (>C22-C36)	940 [3]	7.0	U	5.6	U	6.0	U	6.1	U	NA		6.4	U	NA		5.5	U
General Chemistry		%		%		%		%		%		%		%		%	
Solids, Percent	NV	71.8		88.5		84.2		82.8		83.7		78.6		80.4		88.9	

Notes:

NMED = New Mexico Environment Department
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NV = No Value
TPH = Total Petroleum Hydrocarbons
Q = Laboratory Qualifier
B = Analyte found in associated method blank
U = Not Detected
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
ORO = Oil Range Organics

J = Estimated result. Result is between the Method Detection Limit (MDL) and the Reporting Limit (RL).

[1] NMED, June 2006. Technical Background Document for Development of Soil Screening Levels, Revision 4.0.

[2] If results are not detected (U) then the value is set at the Method Detection Limit (MDL)

[3] NMED, October 2006. TPH Screening Guidelines (Kerosene and Jet Fuel, Residential Direct Exposure)

Bold value indicates analytes above NMED Soil Screening Levels (Rev 4.0, June 2006) or combined TPH results above NMED TPH Screening Guidelines for Kerosene and Jet Fuel (Table 2b, Oct 2006)

Table 6-1
Soil Boring Analytical Results Pipeline T-Junction PCS Source Area (Nov-Dec 2008)
SS-61 Addendum Letter Report
Holloman Air Force Base, New Mexico

Client Sample ID:	Soil Screening Levels	SS61-SB30-30		SS61-SB30-30-a		SS61-SB30-37		SS61-SB31-25		SS61-SB31-32		SS61-SB31-40		SS61-SB35-25		SS61-SB35-32	
Lab Sample ID:	NMED	F61817-2		F61817-3		F61817-4		F61817-5		F61817-6		F61817-7		F61903-4		F61903-5	
Date Sampled:	Residential[1]	11/25/2008		11/25/2008		11/25/2008		11/25/2008		11/25/2008		11/25/2008		12/2/2008		12/2/2008	
Analyte		**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**
Volatile Organic Compounds	**mg/kg**	**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**	
Acetone	28,100	25	U	26	U	27	U	27	U	1,800	U	28	U	25	U	30	U
Benzene	10.3	1.0	U	1.0	U	1.1	U	1.1	U	848		1.1	U	8.0		3.8	J
n-Butylbenzene	62.1	1.4	U	1.4	U	1.5	U	1.5	U	98	U	1.6	U	1.4	U	1.7	U
sec-Butylbenzene	60.6	6.3		4.7	J	1.2	U	1.2	U	163	J	1.2	U	1.1	U	1.3	U
tert-Butylbenzene	106	2.9	J	1.1	U	1.2	U	1.2	U	77	U	1.2	U	1.1	U	1.3	U
Chlorobenzene	194	1.0	U	1.0	U	1.1	U	1.1	U	70	U	1.1	U	0.99	U	1.2	U
Chloroform	4	1.7	U	1.7	U	1.8	U	1.8	U	120	U	1.9	U	1.7	U	2.0	U
Carbon disulfide	460	1.1	U	1.1	U	1.2	U	1.2	U	77	U	1.2	U	1.1	U	1.3	U
1,1-Dichloroethylene	206	1.3	U	1.3	U	1.4	U	1.4	U	91	U	1.5	U	1.3	U	1.6	U
1,2-Dichloroethane	6.04	1.1	U	1.1	U	1.3	J	2.0	J	77	U	3.7	J	1.1	U	1.3	U
m-Dichlorobenzene	32.6	1.0	U	1.0	U	1.1	U	1.1	U	70	U	1.1	U	0.99	U	1.2	U
o-Dichlorobenzene	37.4	1.0	U	1.0	U	1.1	U	1.1	U	70	U	1.1	U	0.99	U	1.2	U
p-Dichlorobenzene	39.5	1.0	U	1.0	U	1.1	U	1.1	U	70	U	1.1	U	0.99	U	1.2	U
Ethylbenzene	128	1.0	U	1.0	U	1.1	U	1.1	U	70	U	1.1	U	0.99	U	12.4	
2-Hexanone	NV	5.1	U	5.1	U	5.4	U	5.3	U	350	U	5.6	U	4.9	U	6.0	U
Hexane	38	2.4	U	2.5	U	2.6	U	2.6	U	170	U	2.7	U	2.4	U	2.9	U
Isopropylbenzene	271	294		160		1.2	U	62.2		4,340		1.2	U	3.7	J	26.7	
p-Isopropyltoluene	NV	1.1	U	1.1	U	1.2	U	1.2	U	77	U	1.2	U	1.1	U	1.3	U
4-Methyl-2-pentanone	NV	6.5	U	6.5	U	6.9	U	6.8	U	450	U	7.2	U	6.3	U	7.6	U
Methylene chloride	182	7,550		5.1	U	5.4	U	5.3	U	615	J	9.0	J	9.4	J	15.8	
Naphthalene	79.5	2.0	U	2.0	U	2.1	U	2.1	U	858	J	2.2	U	2.0	U	2.4	U
n-Propylbenzene	62.1	1.3	J	1.2	U	1.3	U	1.3	U	152	J	1.3	U	1.2	U	2.9	J
1,1,2,2-Tetrachloroethane	5.55	1.8	U	1.8	U	1.9	U	1.9	U	130	U	2.0	U	1.8	U	2.1	U
1,2,4-Trichlorobenzene	69.3	2.0	U	2.0	U	2.1	U	2.1	U	140	U	2.2	U	2.0	U	2.4	U
1,2,4-Trimethylbenzene	58	1.0	U	1.0	U	1.1	U	1.1	U	70	U	1.1	U	0.99	U	1.2	U
1,3,5-Trimethylbenzene	24.8	1.0	U	1.0	U	1.1	U	1.1	U	70	U	1.1	U	0.99	U	1.2	U
Toluene	252	1.0	U	1.0	U	1.1	U	1.1	U	70	U	1.1	U	0.99	U	1.2	U
m,p-Xylene	82	1.9	U	1.9	U	2.0	U	2.0	U	130	U	2.1	U	1.9	U	2.3	U
o-Xylene	99.5	1.0	U	1.0	U	1.1	U	1.1	U	70	U	1.1	U	0.99	U	1.2	U
Total Petroleum Hydrocarbons	**mg/kg**	**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**	
TPH-GRO (C6-C10)	940 [3]	12.3		5.16	J	3.4	U	3.1	U	882		2.9	U	2.9	U	64.6	
TPH-DRO (C10-C22)	940 [3]	5.7	U	5.9	U	6.0	U	6.0	U	6.3	U	5.8	U	5.8	U	6.2	U
TPH-ORO (>C22-C36)	940 [3]	5.7	U	5.9	U	6.0	U	6.0	U	6.3	U	5.8	U	5.8	U	6.2	U
General Chemistry		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**	
Solids, Percent	NV	86.6		84.4		82.9		84.0		78.0		86.6		86.1		78.7	

Notes:

NMED = New Mexico Environment Department
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NV = No Value
TPH = Total Petroleum Hydrocarbons
Q = Laboratory Qualifier
B = Analyte found in associated method blank
U = Not Detected
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
ORO = Oil Range Organics

J = Estimated result. Result is between the Method Detection Limit (MDL) and the Reporting Limit (RL).

[1] NMED, June 2006. Technical Background Document for Development of Soil Screening Levels, Revision 4.0.

[2] If results are not detected (U) then the value is set at the Method Detection Limit (MDL)

[3] NMED, October 2006. TPH Screening Guidelines (Kerosene and Jet Fuel, Residential Direct Exposure)

Bold value indicates analytes above NMED Soil Screening Levels (Rev 4.0, June 2006) or combined TPH results above NMED TPH Screening Guidelines for Kerosene and Jet Fuel (Table 2b, Oct 2006)

Table 6-1
Soil Boring Analytical Results Pipeline T-Junction PCS Source Area (Nov-Dec 2008)
SS-61 Addendum Letter Report
Holloman Air Force Base, New Mexico

Client Sample ID:	Soil Screening Levels	SS61-SB35-36		SS61-SB36-25		SS61-SB36-30		SS61-SB36-30		SS61-SB36-30-a		SS61-SB36-40		SS61-SB37-25		SS61-SB37-28	
Lab Sample ID:	NMED	F61903-6		F61904-1		F61904-2A		F61904-2		F61904-3		F61904-4		F61932-1		F61932-2A	
Date Sampled:	Residential[1]	12/2/2008		12/2/2008		12/2/2008		12/2/2008		12/2/2008		12/2/2008		12/2/2008		12/2/2008	
Analyte		**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**
Volatile Organic Compounds	**mg/kg**	**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**	
Acetone	28,100	29	U	25	U	NA		1,600	U	27	U	25	U	28	U	NA	
Benzene	10.3	1.2	U	0.99	U	NA		64	U	28.3		0.99	U	1.1	U	NA	
n-Butylbenzene	62.1	1.6	U	1.4	U	NA		90	U	1.5	U	1.4	U	1.6	U	NA	
sec-Butylbenzene	60.6	1.3	U	1.1	U	NA		136	J	20.9		1.1	U	1.2	U	NA	
tert-Butylbenzene	106	1.3	U	1.1	U	NA		71	U	8.5		1.1	U	1.2	U	NA	
Chlorobenzene	194	1.2	U	0.99	U	NA		64	U	1.1	U	0.99	U	1.1	U	NA	
Chloroform	4	2.0	U	1.7	U	NA		110	U	1.8	U	1.7	U	1.9	U	NA	
Carbon disulfide	460	1.3	U	1.1	U	NA		71	U	2.2	J	1.1	U	1.2	U	NA	
1,1-Dichloroethylene	206	1.5	U	1.3	U	NA		83	U	1.4	U	1.3	U	1.5	U	NA	
1,2-Dichloroethane	6.04	1.3	U	1.1	U	NA		71	U	1.2	U	1.1	U	1.2	U	NA	
m-Dichlorobenzene	32.6	1.2	U	0.99	U	NA		64	U	1.1	U	0.99	U	1.1	U	NA	
o-Dichlorobenzene	37.4	1.2	U	0.99	U	NA		64	U	1.1	U	0.99	U	1.1	U	NA	
p-Dichlorobenzene	39.5	1.2	U	0.99	U	NA		64	U	1.1	U	0.99	U	1.1	U	NA	
Ethylbenzene	128	1.2	U	0.99	U	NA		64	U	144		0.99	U	1.1	U	NA	
2-Hexanone	NV	5.9	U	5.0	U	NA		320	U	5.4	U	4.9	U	5.6	U	NA	
Hexane	38	2.8	U	2.4	U	NA		150	U	2.6	U	2.4	U	2.7	U	NA	
Isopropylbenzene	271	1.3	U	1.1	U	NA		3,400		6,270		1.5	J	1.2	U	NA	
p-Isopropyltoluene	NV	1.3	U	1.1	U	NA		71	U	1.2	U	1.1	U	1.2	U	NA	
4-Methyl-2-pentanone	NV	7.5	U	6.4	U	NA		410	U	6.9	U	6.3	U	7.2	U	NA	
Methylene chloride	182	13.0		7.2	J	NA		620	J	5.4	U	12.2		5.6	U	NA	
Naphthalene	79.5	2.3	U	2.0	U	NA		130	U	2.2	U	2.0	U	2.2	U	NA	
n-Propylbenzene	62.1	1.4	U	1.2	U	NA		205	J	63.8		1.2	U	1.3	U	NA	
1,1,2,2-Tetrachloroethane	5.55	2.1	U	1.8	U	NA		120	U	4.6	J	1.8	U	2.0	U	NA	
1,2,4-Trichlorobenzene	69.3	2.3	U	2.0	U	NA		130	U	2.2	U	2.0	U	2.2	U	NA	
1,2,4-Trimethylbenzene	58	1.2	U	0.99	U	NA		64	U	1.1	U	0.99	U	1.1	U	NA	
1,3,5-Trimethylbenzene	24.8	1.2	U	0.99	U	NA		64	U	1.1	U	0.99	U	1.1	U	NA	
Toluene	252	1.2	U	0.99	U	NA		64	U	1.1	U	0.99	U	1.1	U	NA	
m,p-Xylene	82	2.2	U	1.9	U	NA		120	U	2.0	U	1.9	U	2.1	U	NA	
o-Xylene	99.5	1.2	U	0.99	U	NA		64	U	1.1	U	0.99	U	1.1	U	NA	
Total Petroleum Hydrocarbons	**mg/kg**	**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**	
TPH-GRO (C6-C10)	940 [3]	3.5	U	2.9	U	NA		239		424		2.8	U	3.4	U	NA	
TPH-DRO (C10-C22)	940 [3]	6.0	U	5.9	U	6.0	U	NA		6.0	U	5.8	U	6.1	U	6.7	U
TPH-ORO (>C22-C36)	940 [3]	6.0	U	5.9	U	6.0	U	NA		6.0	U	5.8	U	6.1	U	6.7	U
General Chemistry		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**	
Solids, Percent	NV	82.2		84.8		NA		82.8		82.1		85.7		80.8		NA	

Notes:

NMED = New Mexico Environment Department
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NV = No Value
TPH = Total Petroleum Hydrocarbons
Q = Laboratory Qualifier
B = Analyte found in associated method blank
U = Not Detected
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
ORO = Oil Range Organics

J = Estimated result. Result is between the Method Detection Limit (MDL) and the Reporting Limit (RL).

[1]NMED, June 2006. Technical Background Document for Development of Soil Screening Levels, Revision 4.0.

[2] If results are not detected (U) then the value is set at the Method Detection Limit (MDL)

[3] NMED, October 2006. TPH Screening Guidelines (Kerosene and Jet Fuel, Residential Direct Exposure)

Bold value indicates analytes above NMED Soil Screening Levels (Rev 4.0, June 2006) or combined TPH results above NMED TPH Screening Guidelines for Kerosene and Jet Fuel (Table 2b, Oct 2006)

Table 6-1
Soil Boring Analytical Results Pipeline T-Junction PCS Source Area (Nov-Dec 2008)
SS-61 Addendum Letter Report
Holloman Air Force Base, New Mexico

Client Sample ID:	Soil Screening Levels	SS61-SB37-28		SS61-SB37-37		SS61-SB38-15		SS61-SB38-20		SS61-SB38-20		SS61-SB38-35		SS61-SB39-25		SS61-SB39-29	
Lab Sample ID:	NMED	F61932-2		F61932-3		F61932-4		F61932-5A		F61932-5		F61932-6		F61932-7		F61932-8	
Date Sampled:	Residential[1]	12/2/2008		12/2/2008		12/2/2008		12/2/2008		12/2/2008		12/2/2008		12/3/2008		12/3/2008	
Analyte		**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**
Volatile Organic Compounds	**mg/kg**	**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**	
Acetone	28,100	31	U	28	U	38.6	J	NA		19,000	U	28	U	23	U	37.6	J
Benzene	10.3	8.0		1.1	U	1.1	U	NA		1,240	J	1.1	U	0.94	U	1.0	U
n-Butylbenzene	62.1	1.7	U	1.6	U	1.5	U	NA		1,000	U	1.6	U	1.3	U	1.4	U
sec-Butylbenzene	60.6	22.0		1.2	U	1.2	U	NA		2,250	J	1.2	U	1.0	U	10.2	
tert-Butylbenzene	106	8.9		1.2	U	1.2	U	NA		871	J	1.2	U	1.0	U	1.1	U
Chlorobenzene	194	1.2	U	1.1	U	1.1	U	NA		740	U	1.6	J	0.94	U	1.0	U
Chloroform	4	2.1	U	1.9	U	1.8	U	NA		1,300	U	1.9	U	1.6	U	1.7	U
Carbon disulfide	460	1.7	J	1.2	U	1.2	U	NA		820	U	1.2	U	1.0	U	2.3	J
1,1-Dichloroethylene	206	1.6	U	1.4	U	1.4	U	NA		970	U	1.5	U	1.2	U	1.3	U
1,2-Dichloroethane	6.04	1.4	U	1.2	U	1.2	U	NA		820	U	1.2	U	1.0	U	1.1	U
m-Dichlorobenzene	32.6	1.2	U	1.1	U	1.1	U	NA		740	U	16.0		0.94	U	1.0	U
o-Dichlorobenzene	37.4	1.2	U	1.1	U	1.1	U	NA		740	U	61.3		0.94	U	1.0	U
p-Dichlorobenzene	39.5	1.2	U	1.1	U	1.1	U	NA		740	U	21.2		0.94	U	1.0	U
Ethylbenzene	128	1.2	U	1.1	U	1.1	U	NA		740	U	1.1	U	0.94	U	1.0	U
2-Hexanone	NV	6.2	U	5.6	U	5.3	U	NA		3,700	U	16.5	J	4.7	U	5.0	U
Hexane	38	3.0	U	2.7	U	2.5	U	NA		1,800	U	2.7	U	2.2	U	2.4	U
Isopropylbenzene	271	837		4.0	J	1.2	U	NA		68,000		1.2	U	1.0	U	1.1	U
p-Isopropyltoluene	NV	1.4	U	1.2	U	1.2	U	NA		820	U	1.2	U	1.0	U	1.1	U
4-Methyl-2-pentanone	NV	7.9	U	7.1	U	6.8	U	NA		4,800	U	7.3	U	6.0	U	6.5	U
Methylene chloride	182	6.2	J	6.4	J	8.4	J	NA		6,770	JB	12.7	B	14.7	B	11.3	
Naphthalene	79.5	2.5	U	2.2	U	2.1	U	NA		1,500	U	2.3	U	1.9	U	2.0	U
n-Propylbenzene	62.1	2.0	J	1.3	U	1.3	U	NA		890	U	1.4	U	1.1	U	1.2	U
1,1,2,2-Tetrachloroethane	5.55	2.2	U	2.0	U	1.9	U	NA		1,300	U	2.0	U	1.7	U	1.8	U
1,2,4-Trichlorobenzene	69.3	2.5	U	2.2	U	2.1	U	NA		1,500	U	2.3	U	1.9	U	2.0	U
1,2,4-Trimethylbenzene	58	1.2	U	1.1	U	1.1	U	NA		740	U	1.1	U	0.94	U	1.0	U
1,3,5-Trimethylbenzene	24.8	1.2	U	1.1	U	1.1	U	NA		740	U	1.1	U	0.94	U	1.0	U
Toluene	252	1.2	U	1.1	U	1.1	U	NA		740	U	1.1	U	0.94	U	1.0	U
m,p-Xylene	82	2.4	U	2.1	U	2.0	U	NA		1,400	U	2.2	U	1.8	U	1.9	U
o-Xylene	99.5	1.2	U	1.1	U	1.1	U	NA		740	U	1.1	U	0.94	U	1.0	U
Total Petroleum Hydrocarbons	**mg/kg**	**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**	
TPH-GRO (C6-C10)	940 [3]	53.5		3.2	U	3.4	U	NA		**1,310**		3.2	U	2.8	U	**2,840**	
TPH-DRO (C10-C22)	940 [3]	NA		5.8	U	6.1	U	294		NA		5.9	U	5.6	U	5.9	U
TPH-ORO (>C22-C36)	940 [3]	NA		5.8	U	6.1	U	33.4	J	NA		5.9	U	5.6	U	5.9	U
General Chemistry		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**	
Solids, Percent	NV	74.1		83.6		81.8		NA		76.2		83.2		86.6		83.7	

Notes:

NMED = New Mexico Environment Department
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NV = No Value
TPH = Total Petroleum Hydrocarbons
Q = Laboratory Qualifier
B = Analyte found in associated method blank
U = Not Detected
J = Estimated result. Result is between the Method Detection Limit (MDL) and the Reporting Limit (RL).

[1]NMED, June 2006. Technical Background Document for Development of Soil Screening Levels, Revision 4.0.

[2] If results are not detected (U) then the value is set at the Method Detection Limit (MDL)

[3] NMED, October 2006. TPH Screening Guidelines (Kerosene and Jet Fuel, Residential Direct Exposure)

Bold value indicates analytes above NMED Soil Screening Levels (Rev 4.0, June 2006) or combined TPH results above NMED TPH Screening Guidelines for Kerosene and Jet Fuel (Table 2b, Oct 2006)

Table 6-1
Soil Boring Analytical Results Pipeline T-Junction PCS Source Area (Nov-Dec 2008)
SS-61 Addendum Letter Report
Holloman Air Force Base, New Mexico

Client Sample ID:	Soil Screening Levels	SS61-SB39-35		SS61-SB46-17		SS61-SB46-28		SS61-SB46-28-a		SS61-SB46-35		SS61-SB47-25		SS61-SB47-29		SS61-SB47-35	
Lab Sample ID:	NMED	**F61932-9**		**F62034-1**		**F62034-2**		**F62034-3**		**F62034-4**		**F62028-4**		**F62028-5**		**F62028-6**	
Date Sampled:	Residential[1]	**12/3/2008**		**12/5/2008**		**12/5/2008**		**12/5/2008**		**12/5/2008**		**12/5/2008**		**12/5/2008**		**12/5/2008**	
Analyte		**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**
Volatile Organic Compounds	**mg/kg**	**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**	
Acetone	28,100	58.8		25	U	17,000	U	1,600	U	25	U	23	U	1,600	U	28	U
Benzene	10.3	1.0	U	1.0	U	**17,100**		**30,900**		4.5	J	0.93	U	64	U	214	
n-Butylbenzene	62.1	1.4	U	1.4	U	980	U	196	J	1.4	U	1.3	U	90	U	1.6	U
sec-Butylbenzene	60.6	1.1	U	1.1	U	1,300	J	2,040		1.6	J	1.0	U	114	J	1.2	U
tert-Butylbenzene	106	1.1	U	1.1	U	770	U	876		1.1	U	1.0	U	99.9	J	1.2	U
Chlorobenzene	194	1.0	U	1.0	U	700	U	64	U	1.0	U	0.93	U	64	U	1.1	U
Chloroform	4	1.7	U	1.7	U	1,200	U	110	U	1.7	U	1.6	U	110	U	1.9	U
Carbon disulfide	460	1.1	U	1.5	J	770	U	70	U	1.1	U	1.0	U	71	U	1.2	U
1,1-Dichloroethylene	206	1.3	U	1.3	U	910	U	83	U	1.3	U	1.2	U	83	U	1.4	U
1,2-Dichloroethane	6.04	1.1	U	1.1	U	770	U	70	U	3.1	J	1.0	U	71	U	5.1	J
m-Dichlorobenzene	32.6	1.0	U	1.0	U	700	U	64	U	1.7	J	0.93	U	64	U	1.1	U
o-Dichlorobenzene	37.4	1.0	U	1.0	U	700	U	64	U	6.9		0.93	U	64	U	1.1	U
p-Dichlorobenzene	39.5	1.0	U	1.0	U	700	U	64	U	1.7	J	0.93	U	64	U	1.1	U
Ethylbenzene	128	1.0	U	1.0	U	15,600		30,900		1.0	U	0.93	U	64	U	1.1	U
2-Hexanone	NV	5.0	U	5.0	U	3,500	U	320	U	5.1	U	4.6	U	320	U	5.5	U
Hexane	38	2.4	U	2.4	U	1,700	U	24,700		2.4	U	2.2	U	150	U	2.7	U
Isopropylbenzene	271	1.1	U	1.1	U	57,400		125,000		121		1.0	U	3,050		11.4	
p-Isopropyltoluene	NV	1.1	U	1.1	U	770	U	70	U	1.1	U	1.0	U	71	U	1.2	U
4-Methyl-2-pentanone	NV	6.4	U	6.4	U	4,500	U	410	U	6.5	U	5.9	U	410	U	7.1	U
Methylene chloride	182	11.1	B	5.0	U	5,040	J	320	U	7.0	J	4.6	U	544	J	6.6	J
Naphthalene	79.5	2.0	U	2.0	U	1,400	U	226	J	2.0	U	1.9	U	130	U	2.2	U
n-Propylbenzene	62.1	1.2	U	1.2	U	2,540	J	4,200		1.2	U	1.1	U	77	U	1.3	U
1,1,2,2-Tetrachloroethane	5.55	1.8	U	1.8	U	1,300	U	110	U	1.8	U	1.7	U	120	U	2.0	U
1,2,4-Trichlorobenzene	69.3	2.0	U	2.0	U	1,400	U	130	U	2.0	U	1.9	U	130	U	2.2	U
1,2,4-Trimethylbenzene	58	1.0	U	1.0	U	19,700		32,600		1.0	U	0.93	U	141	J	1.1	U
1,3,5-Trimethylbenzene	24.8	1.0	U	1.0	U	700	U	625		1.0	U	0.93	U	64	U	1.1	U
Toluene	252	1.0	U	1.0	U	2,080	J	10,000		1.0	U	0.93	U	64	U	1.1	U
m,p-Xylene	82	1.9	U	1.9	U	23,900		49,100		1.9	U	1.8	U	120	U	2.1	U
o-Xylene	99.5	1.0	U	1.0	U	5,410		40,600		1.0	U	0.93	U	64	U	1.1	U
Total Petroleum Hydrocarbons	**mg/kg**	**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**	
TPH-GRO (C6-C10)	940 [3]	2.9	U	3.3	U	**2,120**		**4,160**		2.7	U	2.9	U	116		3.4	U
TPH-DRO (C10-C22)	940 [3]	5.8	U	5.9	U	13.5		15.0		5.6	U	5.5	U	6.1	U	6.0	U
TPH-ORO (>C22-C36)	940 [3]	5.8	U	5.9	U	10.7		10.4		5.6	U	5.5	U	6.1	U	6.0	U
General Chemistry		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**	
Solids, Percent	NV	86.3		84.1		79.8		80.8		88.1		88.6		81.4		80.6	

Notes:

NMED = New Mexico Environment Department
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NV = No Value
TPH = Total Petroleum Hydrocarbons
Q = Laboratory Qualifier
B = Analyte found in associated method blank
U = Not Detected
J = Estimated result. Result is between the Method Detection Limit (MDL) and the Reporting Limit (RL).

[1] NMED, June 2006. Technical Background Document for Development of Soil Screening Levels, Revision 4.0.

[2] If results are not detected (U) then the value is set at the Method Detection Limit (MDL)

[3] NMED, October 2006. TPH Screening Guidelines (Kerosene and Jet Fuel, Residential Direct Exposure)

Bold value indicates analytes above NMED Soil Screening Levels (Rev 4.0, June 2006) or combined TPH results above NMED TPH Screening Guidelines for Kerosene and Jet Fuel (Table 2b, Oct 2006)

Table 6-1
Soil Boring Analytical Results Pipeline T-Junction PCS Source Area (Nov-Dec 2008)
SS-61 Addendum Letter Report
Holloman Air Force Base, New Mexico

Client Sample ID:	Soil Screening Levels	SS61-SB48-17		SS61-SB48-25		SS61-SB48-40		SS61-SB49-20		SS61-SB49-30		SS61-SB49-35		SS61-SB50-20		SS61-SB50-29	
Lab Sample ID:	NMED	F62033-1		F62033-2		F62033-3		F62061-1		F62061-2		F62061-3		F62061-4		F62061-5	
Date Sampled:	Residential[1]	12/5/2008		12/5/2008		12/5/2008		12/5/2008		12/5/2008		12/5/2008		12/5/2008		12/5/2008	
Analyte		**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**
Volatile Organic Compounds	**mg/kg**	**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**	
Acetone	28,100	27	U	15,000	U	35.1	J	26	U	167		28	U	26	U	18,000	U
Benzene	10.3	1.1	U	**31,100**		187		1.0	U	802		1.1	U	1.0	U	1,470	J
n-Butylbenzene	62.1	1.5	U	820	U	1.6	U	1.4	U	1.7	U	1.5	U	1.4	U	990	U
sec-Butylbenzene	60.6	1.2	U	1,340	J	1.2	U	1.1	U	41.3		1.2	U	1.1	U	2,230	J
tert-Butylbenzene	106	1.2	U	650	U	1.2	U	1.1	U	20.0		1.2	U	1.1	U	946	J
Chlorobenzene	194	1.1	U	590	U	1.1	U	1.0	U	1.2	U	1.1	U	1.0	U	710	U
Chloroform	4	1.8	U	1,000	U	1.9	U	1.7	U	2.1	U	1.9	U	1.7	U	1,200	U
Carbon disulfide	460	1.2	U	650	U	1.2	U	1.1	U	4.3	J	1.2	U	1.1	U	780	U
1,1-Dichloroethylene	206	1.4	U	760	U	1.5	U	1.3	U	1.6	U	1.4	U	1.3	U	920	U
1,2-Dichloroethane	6.04	1.2	U	650	U	7.7		1.1	U	3.1	J	1.2	U	1.1	U	780	U
m-Dichlorobenzene	32.6	1.1	U	590	U	1.1	U	1.0	U	1.2	U	1.1	U	1.0	U	710	U
o-Dichlorobenzene	37.4	1.1	U	590	U	1.1	U	1.0	U	1.2	U	1.1	U	1.0	U	710	U
p-Dichlorobenzene	39.5	1.1	U	590	U	1.1	U	1.0	U	1.2	U	1.1	U	1.0	U	710	U
Ethylbenzene	128	1.1	U	13,600		1.1	U	1.0	U	463		1.1	U	1.0	U	23,000	
2-Hexanone	NV	5.3	U	2,900	U	5.6	U	5.1	U	6.0	U	5.5	U	5.1	U	3,500	U
Hexane	38	2.6	U	1,400	U	2.7	U	2.5	U	2.9	U	2.7	U	2.5	U	1,700	U
Isopropylbenzene	271	1.2	U	61,700		47.0		1.1	U	2,810		1.5	J	1.1	U	108,000	
p-Isopropyltoluene	NV	1.2	U	650	U	1.2	U	1.1	U	1.3	U	1.2	U	1.1	U	780	U
4-Methyl-2-pentanone	NV	6.8	U	3,800	U	7.2	U	6.5	U	7.7	U	7.1	U	6.5	U	4,500	U
Methylene chloride	182	5.3	U	2,900	U	6.3	JB	8.6	J	8.6	J	30.1		9.1	J	3,500	U
Naphthalene	79.5	2.1	U	1,200	U	2.3	U	2.0	U	2.4	U	2.2	U	2.0	U	1,400	U
n-Propylbenzene	62.1	1.3	U	2,780	J	1.4	U	1.2	U	91.2		1.3	U	1.2	U	5,230	
1,1,2,2-Tetrachloroethane	5.55	1.9	U	1,100	U	2.0	U	1.8	U	2.2	U	2.0	U	1.8	U	1,300	U
1,2,4-Trichlorobenzene	69.3	2.1	U	1,200	U	2.3	U	2.0	U	2.4	U	2.2	U	2.0	U	1,400	U
1,2,4-Trimethylbenzene	58	1.1	U	3,820		1.1	U	1.0	U	1.2	U	1.1	U	1.0	U	1,080	J
1,3,5-Trimethylbenzene	24.8	1.1	U	590	U	1.1	U	1.0	U	1.2	U	1.1	U	1.0	U	710	U
Toluene	252	1.1	U	590	U	1.1	U	1.0	U	1.2	U	1.1	U	1.0	U	710	U
m,p-Xylene	82	2.0	U	1,100	U	2.1	U	1.9	U	2.3	U	2.1	U	1.9	U	1,300	U
o-Xylene	99.5	1.1	U	590	U	1.1	U	1.0	U	1.2	U	1.1	U	1.0	U	1,150	J
Total Petroleum Hydrocarbons	**mg/kg**	**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**	
TPH-GRO (C6-C10)	940 [3]	3.0	U	142		3.5	U	3.1	U	51.2		3.0	U	3.1	U	**2,020**	
TPH-DRO (C10-C22)	940 [3]	5.7	U	5.6	U	6.2	U	5.7	U	6.0	U	5.7	U	5.8	U	6.2	U
TPH-ORO (>C22-C36)	940 [3]	5.7	U	5.6	U	6.2	U	5.7	U	6.0	U	5.7	U	5.8	U	6.2	U
General Chemistry		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**	
Solids, Percent	NV	86.9		88.1		79.1		86.1		82.8		86.9		85.2		78.9	

Notes:

NMED = New Mexico Environment Department
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NV = No Value
TPH = Total Petroleum Hydrocarbons
Q = Laboratory Qualifier
B = Analyte found in associated method blank
U = Not Detected
J = Estimated result. Result is between the Method Detection Limit (MDL) and the Reporting Limit (RL).

[1] NMED, June 2006. Technical Background Document for Development of Soil Screening Levels, Revision 4.0.

[2] If results are not detected (U) then the value is set at the Method Detection Limit (MDL)

[3] NMED, October 2006. TPH Screening Guidelines (Kerosene and Jet Fuel, Residential Direct Exposure)

Bold value indicates analytes above NMED Soil Screening Levels (Rev 4.0, June 2006) or combined TPH results above NMED TPH Screening Guidelines for Kerosene and Jet Fuel (Table 2b, Oct 2006)

Table 6-1
Soil Boring Analytical Results Pipeline T-Junction PCS Source Area (Nov-Dec 2008)
SS-61 Addendum Letter Report
Holloman Air Force Base, New Mexico

Client Sample ID:	Soil Screening Levels	SS61-SB50-29-a		SS61-SB50-35		SS61-SB51-20		SS61-SB51-25		SS61-SB51-35		SS61-SB52-21		SS61-SB52-30		SS61-SB52-35	
Lab Sample ID:	NMED	F62061-6		F62061-7		F62063-1		F62063-2		F62063-3		F62063-4		F62063-5		F62063-6	
Date Sampled:	Residential[1]	12/5/2008		12/5/2008		12/6/2008		12/6/2008		12/6/2008		12/6/2008		12/6/2008		12/6/2008	
Analyte		**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**
Volatile Organic Compounds	**mg/kg**	**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**	
Acetone	28,100	20,000	U	25	U	25	U	1,400	U	62	U	23	U	1,700	U	1,500	U
Benzene	10.3	1,090	J	1.7	J	0.99	U	349		13.3		0.94	U	2,210		860	
n-Butylbenzene	62.1	1,100	U	1.4	U	1.4	U	81	U	3.5	U	1.3	U	92	U	87	U
sec-Butylbenzene	60.6	2,040	J	1.1	U	1.1	U	646		2.7	U	1.0	U	73	U	68	U
tert-Butylbenzene	106	890	U	1.1	U	1.1	U	259	J	2.7	U	1.0	U	73	U	68	U
Chlorobenzene	194	810	U	0.99	U	0.99	U	58	U	2.5	U	0.94	U	66	U	62	U
Chloroform	4	1,400	U	1.7	U	1.7	U	99	U	4.2	U	1.6	U	110	U	110	U
Carbon disulfide	460	890	U	2.6	J	1.1	U	64	U	2.7	U	1.0	U	73	U	68	U
1,1-Dichloroethylene	206	1,100	U	1.3	U	1.3	U	75	U	3.2	U	1.2	U	86	U	80	U
1,2-Dichloroethane	6.04	890	U	1.1	U	1.1	U	64	U	4.2	J	1.0	U	73	U	68	U
m-Dichlorobenzene	32.6	810	U	0.99	U	0.99	U	58	U	2.5	U	0.94	U	66	U	62	U
o-Dichlorobenzene	37.4	810	U	0.99	U	0.99	U	58	U	2.5	U	0.94	U	66	U	62	U
p-Dichlorobenzene	39.5	810	U	0.99	U	0.99	U	58	U	2.5	U	0.94	U	66	U	62	U
Ethylbenzene	128	17,600		0.99	U	0.99	U	5,650		2.5	U	0.94	U	134	J	62	U
2-Hexanone	NV	4,000	U	5.0	U	5.0	U	290	U	12	U	4.7	U	330	U	310	U
Hexane	38	1,900	U	2.4	U	2.4	U	532		6.0	U	2.2	U	160	U	150	U
Isopropylbenzene	271	93,100		31.0		1.1	U	26,900		295		1.0	U	521		125	J
p-Isopropyltoluene	NV	890	U	1.1	U	1.1	U	64	U	2.7	U	1.0	U	73	U	68	U
4-Methyl-2-pentanone	NV	5,200	U	6.4	U	6.4	U	370	U	16	U	6.0	U	420	U	400	U
Methylene chloride	182	4,000	U	8.2	J	8.6	JB	601	B	46.4	B	6.9	JB	791	B	1,060	B
Naphthalene	79.5	1,600	U	2.0	U	2.0	U	120	U	5.0	U	1.9	U	130	U	120	U
n-Propylbenzene	62.1	4,590		1.2	U	1.2	U	1,330		3.0	U	1.1	U	79	U	74	U
1,1,2,2-Tetrachloroethane	5.55	1,500	U	1.8	U	1.8	U	100	U	4.5	U	1.7	U	120	U	110	U
1,2,4-Trichlorobenzene	69.3	1,600	U	2.0	U	2.0	U	120	U	5.0	U	1.9	U	130	U	120	U
1,2,4-Trimethylbenzene	58	5,130		0.99	U	0.99	U	316		2.5	U	0.94	U	66	U	62	U
1,3,5-Trimethylbenzene	24.8	810	U	0.99	U	0.99	U	285	J	2.5	U	0.94	U	66	U	62	U
Toluene	252	810	U	0.99	U	0.99	U	58	U	2.5	U	0.94	U	66	U	62	U
m,p-Xylene	82	1,500	U	1.9	U	1.9	U	110	U	4.7	U	1.8	U	130	U	120	U
o-Xylene	99.5	865	J	0.99	U	0.99	U	258	J	2.5	U	0.94	U	66	U	62	U
Total Petroleum Hydrocarbons	**mg/kg**	**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**	
TPH-GRO (C6-C10)	940 [3]	**1,500**		2.9	U	2.7	U	519		3.0	U	2.9	U	8.57		3.1	U
TPH-DRO (C10-C22)	940 [3]	11.0		5.7	U	5.6	U	5.7	U	5.7	U	5.8	U	5.9	U	5.9	U
TPH-ORO (>C22-C36)	940 [3]	6.8	U	5.7	U	5.6	U	5.7	U	5.7	U	5.8	U	5.9	U	5.9	U
General Chemistry		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**	
Solids, Percent	NV	72.9		86.7		89.2		87.5		86.5		85.3		82.0		84.9	

Notes:

NMED = New Mexico Environment Department
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NV = No Value
TPH = Total Petroleum Hydrocarbons
Q = Laboratory Qualifier
B = Analyte found in associated method blank
U = Not Detected
J = Estimated result. Result is between the Method Detection Limit (MDL) and the Reporting Limit (RL).

[1] NMED, June 2006. Technical Background Document for Development of Soil Screening Levels, Revision 4.0.

[2] If results are not detected (U) then the value is set at the Method Detection Limit (MDL)

[3] NMED, October 2006. TPH Screening Guidelines (Kerosene and Jet Fuel, Residential Direct Exposure)

Bold value indicates analytes above NMED Soil Screening Levels (Rev 4.0, June 2006) or combined TPH results above NMED TPH Screening Guidelines for Kerosene and Jet Fuel (Table 2b, Oct 2006)

Table 6-1
Soil Boring Analytical Results Pipeline T-Junction PCS Source Area (Nov-Dec 2008)
SS-61 Addendum Letter Report
Holloman Air Force Base, New Mexico

Client Sample ID:	Soil Screening Levels	SS61-SB53-20		SS61-SB53-29		SS61-SB53-29-a		SS61-SB53-35		SS61-SB54-25		SS61-SB54-30		SS61-SB54-31		SS61-SB55-17	
Lab Sample ID:	NMED	F62060-1		F62060-2		F62060-3		F62060-4		F62060-5		F62060-6		F62060-7		F62062-1	
Date Sampled:	Residential[1]	12/7/2008		12/7/2008		12/7/2008		12/7/2008		12/7/2008		12/7/2008		12/7/2008		12/7/2008	
Analyte		**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**
Volatile Organic Compounds	**mg/kg**	**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**	
Acetone	28,100	24	U	1,400	U	1,500	U	27	U	24	U	27	U	25	U	28	U
Benzene	10.3	0.96	U	645		947		1.1	U	22.2		1.1	U	1.0	U	1.1	U
n-Butylbenzene	62.1	1.3	U	81	U	84	U	1.5	U	1.4	U	1.5	U	1.4	U	1.6	U
sec-Butylbenzene	60.6	1.1	U	565		689		1.2	U	1.1	U	1.2	U	1.1	U	1.2	U
tert-Butylbenzene	106	1.1	U	237	J	300		1.2	U	1.1	U	1.2	U	1.1	U	1.2	U
Chlorobenzene	194	0.96	U	58	U	60	U	1.1	U	0.98	U	1.1	U	1.0	U	1.1	U
Chloroform	4	1.6	U	98	U	100	U	1.8	U	1.7	U	1.9	U	1.7	U	1.9	U
Carbon disulfide	460	1.1	U	63	U	66	U	1.2	U	1.1	U	1.2	U	1.1	U	1.2	U
1,1-Dichloroethylene	206	1.2	U	75	U	78	U	1.4	U	1.3	U	1.4	U	1.3	U	1.4	U
1,2-Dichloroethane	6.04	1.1	U	63	U	66	U	1.6	J	2.7	J	1.6	J	1.1	U	1.2	U
m-Dichlorobenzene	32.6	0.96	U	58	U	60	U	1.1	U	0.98	U	1.1	U	1.0	U	1.1	U
o-Dichlorobenzene	37.4	0.96	U	58	U	60	U	1.1	U	0.98	U	1.1	U	1.0	U	1.1	U
p-Dichlorobenzene	39.5	0.96	U	58	U	60	U	1.1	U	0.98	U	1.1	U	1.0	U	1.1	U
Ethylbenzene	128	0.96	U	1,500		1,770		1.1	U	0.98	U	1.1	U	1.0	U	1.1	U
2-Hexanone	NV	4.8	U	290	U	300	U	5.4	U	4.9	U	5.5	U	5.1	U	5.5	U
Hexane	38	2.3	U	140	U	140	U	2.6	U	2.3	U	2.6	U	2.4	U	2.7	U
Isopropylbenzene	271	1.1	U	23,200		24,500		4.2	J	1.1	U	1.2	U	1.1	U	1.2	U
p-Isopropyltoluene	NV	1.1	U	63	U	66	U	1.2	U	1.1	U	1.2	U	1.1	U	1.2	U
4-Methyl-2-pentanone	NV	6.1	U	370	U	380	U	7.0	U	6.3	U	7.0	U	6.5	U	7.1	U
Methylene chloride	182	6.6	JB	381	JB	581	JB	8.3	JB	4.9	U	9.3	JB	11.1	B	15.8	
Naphthalene	79.5	1.9	U	120	U	120	U	2.2	U	2.0	U	2.2	U	2.0	U	2.2	U
n-Propylbenzene	62.1	1.1	U	866		1,030		1.3	U	1.2	U	1.3	U	1.2	U	1.3	U
1,1,2,2-Tetrachloroethane	5.55	1.7	U	100	U	110	U	2.0	U	1.8	U	2.0	U	1.8	U	2.0	U
1,2,4-Trichlorobenzene	69.3	1.9	U	120	U	120	U	2.2	U	2.0	U	2.2	U	2.0	U	2.2	U
1,2,4-Trimethylbenzene	58	0.96	U	58	U	60	U	1.1	U	0.98	U	1.1	U	1.0	U	1.1	U
1,3,5-Trimethylbenzene	24.8	0.96	U	58	U	60	U	1.1	U	0.98	U	1.1	U	1.0	U	1.1	U
Toluene	252	0.96	U	58	U	60	U	1.1	U	0.98	U	1.1	U	1.0	U	1.1	U
m,p-Xylene	82	1.8	U	110	U	110	U	2.1	U	1.9	U	2.1	U	1.9	U	2.1	U
o-Xylene	99.5	0.96	U	58	U	60	U	1.1	U	0.98	U	1.1	U	1.0	U	1.1	U
Total Petroleum Hydrocarbons	**mg/kg**	**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**	
TPH-GRO (C6-C10)	940 [3]	3.0	U	378		445		3.0	U	2.7	U	3.2	U	3.0	U	3.3	U
TPH-DRO (C10-C22)	940 [3]	5.9	U	5.8	U	5.9	U	5.5	U	5.6	U	5.8	U	5.6	U	6.1	U
TPH-ORO (>C22-C36)	940 [3]	5.9	U	5.8	U	5.9	U	5.5	U	5.6	U	5.8	U	5.6	U	6.1	U
General Chemistry		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**	
Solids, Percent	NV	85.4		85.0		82.6		89.1		88.1		85.7		88.6		81.6	

Notes:

NMED = New Mexico Environment Department
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NV = No Value
TPH = Total Petroleum Hydrocarbons
Q = Laboratory Qualifier
B = Analyte found in associated method blank
U = Not Detected
J = Estimated result. Result is between the Method Detection Limit (MDL) and the Reporting Limit (RL).

[1] NMED, June 2006. Technical Background Document for Development of Soil Screening Levels, Revision 4.0.

[2] If results are not detected (U) then the value is set at the Method Detection Limit (MDL)

[3] NMED, October 2006. TPH Screening Guidelines (Kerosene and Jet Fuel, Residential Direct Exposure)

Bold value indicates analytes above NMED Soil Screening Levels (Rev 4.0, June 2006) or combined TPH results above NMED TPH Screening Guidelines for Kerosene and Jet Fuel (Table 2b, Oct 2006)

Table 6-1
Soil Boring Analytical Results Pipeline T-Junction PCS Source Area (Nov-Dec 2008)
SS-61 Addendum Letter Report
Holloman Air Force Base, New Mexico

Client Sample ID:	Soil Screening Levels	SS61-SB55-33		SS61-SB55-40		SS61-SB56-18		SS61-SB56-25		SS61-SB56-25-a		SS61-SB56-35		SS61-SB57-22		SS61-SB57-28	
Lab Sample ID:	NMED	F62062-2		F62062-3		F62062-4		F62062-5		F62062-6		F62062-7		F62066-1		F62066-2	
Date Sampled:	Residential[1]	12/7/2008		12/7/2008		12/7/2008		12/7/2008		12/7/2008		12/7/2008		12/8/2008		12/8/2008	
Analyte		**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**
Volatile Organic Compounds	**mg/kg**	**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**	
Acetone	28,100	3,400	U	24	U	24	U	1,600	U	1,500	U	25	U	23	U	3,400	U
Benzene	10.3	**19,400**		115		0.96	U	2,480		1,250		1.0	U	10.2		8,490	
n-Butylbenzene	62.1	226	J	1.4	U	1.3	U	99.3	J	87	U	1.4	U	1.3	U	190	U
sec-Butylbenzene	60.6	2,630		1.1	U	1.1	U	426		378		1.1	U	1.0	U	1,210	
tert-Butylbenzene	106	1,100		1.1	U	1.1	U	165	J	159	J	1.1	U	1.0	U	613	J
Chlorobenzene	194	130	U	0.98	U	0.96	U	65	U	62	U	1.0	U	0.91	U	130	U
Chloroform	4	230	U	1.7	U	1.6	U	110	U	110	U	1.7	U	1.6	U	230	U
Carbon disulfide	460	150	U	1.1	U	1.1	U	71	U	68	U	1.1	U	1.0	U	150	U
1,1-Dichloroethylene	206	170	U	1.3	U	1.2	U	84	U	80	U	1.3	U	1.2	U	180	U
1,2-Dichloroethane	6.04	150	U	1.1	U	1.1	U	71	U	68	U	1.1	U	1.0	U	150	U
m-Dichlorobenzene	32.6	130	U	0.98	U	0.96	U	65	U	62	U	1.0	U	0.91	U	130	U
o-Dichlorobenzene	37.4	130	U	1.2	J	0.96	U	65	U	62	U	1.1	J	0.91	U	130	U
p-Dichlorobenzene	39.5	130	U	0.98	U	0.96	U	65	U	62	U	1.0	U	0.91	U	130	U
Ethylbenzene	128	20,400		0.98	U	0.96	U	7,370		4,590		1.0	U	0.91	U	19,300	
2-Hexanone	NV	670	U	4.9	U	4.8	U	320	U	310	U	5.1	U	4.6	U	670	U
Hexane	38	5,510		2.3	U	2.3	U	706		454		2.4	U	2.2	U	320	U
Isopropylbenzene	271	11,5000		24.1		1.1	U	21,100		17,800		1.1	U	2.9	J	79,100	
p-Isopropyltoluene	NV	150	U	1.1	U	1.1	U	71	U	68	U	1.1	U	1.0	U	150	U
4-Methyl-2-pentanone	NV	860	U	6.2	U	6.1	U	410	U	400	U	6.5	U	5.8	U	860	U
Methylene chloride	182	3,470		5.1	J	5.1	J	1,430		1,730		7.2	J	5.9	J	2,540	
Naphthalene	79.5	270	U	2.0	U	1.9	U	130	U	120	U	2.0	U	1.8	U	270	U
n-Propylbenzene	62.1	3,710		1.2	U	1.2	U	2,060		1,780		1.2	U	1.1	U	3,160	
1,1,2,2-Tetrachloroethane	5.55	240	U	1.8	U	1.7	U	120	U	110	U	1.8	U	1.6	U	240	U
1,2,4-Trichlorobenzene	69.3	270	U	2.0	U	1.9	U	130	U	120	U	2.0	U	1.8	U	270	U
1,2,4-Trimethylbenzene	58	32,100		0.98	U	0.96	U	7,660		3,360		1.0	U	0.91	U	130	U
1,3,5-Trimethylbenzene	24.8	924		0.98	U	0.96	U	3,230		62	U	1.0	U	0.91	U	578	J
Toluene	252	130	U	0.98	U	0.96	U	1,650		463		1.0	U	0.91	U	130	U
m,p-Xylene	82	27,500		1.9	U	1.8	U	5,760		2,210		1.9	U	1.7	U	260	U
o-Xylene	99.5	12,800		0.98	U	0.96	U	3,330		1,200		1.0	U	0.91	U	130	U
Total Petroleum Hydrocarbons	**mg/kg**	**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**	
TPH-GRO (C6-C10)	940 [3]	**2,380**		2.7	U	2.9	U	857		627		2.9	U	2.8	U	**1,860**	
TPH-DRO (C10-C22)	940 [3]	6.78	J	5.7	U	5.8	U	6.0	U	6.0	U	5.7	U	5.6	U	8.01	J
TPH-ORO (>C22-C36)	940 [3]	6.3	U	5.7	U	5.8	U	6.0	U	6.0	U	5.7	U	5.6	U	6.1	U
General Chemistry		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**	
Solids, Percent	NV	79.8		86.8		85.3		81.7		82.5		86.4		87.6		80.6	

Notes:

NMED = New Mexico Environment Department
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NV = No Value
TPH = Total Petroleum Hydrocarbons
Q = Laboratory Qualifier
B = Analyte found in associated method blank
U = Not Detected

J = Estimated result. Result is between the Method Detection Limit (MDL) and the Reporting Limit (RL).

[1]NMED, June 2006. Technical Background Document for Development of Soil Screening Levels, Revision 4.0.

[2] If results are not detected (U) then the value is set at the Method Detection Limit (MDL)

[3] NMED, October 2006. TPH Screening Guidelines (Kerosene and Jet Fuel, Residential Direct Exposure)

Bold value indicates analytes above NMED Soil Screening Levels (Rev 4.0, June 2006) or combined TPH results above NMED TPH Screening Guidelines for Kerosene and Jet Fuel (Table 2b, Oct 2006)

Table 6-1
Soil Boring Analytical Results Pipeline T-Junction PCS Source Area (Nov-Dec 2008)
SS-61 Addendum Letter Report
Holloman Air Force Base, New Mexico

Client Sample ID:	Soil Screening Levels	SS61-SB57-35		SS61-SB58-20		SS61-SB58-25		SS61-SB58-35		SS61-SB59-25		SS61-SB59-29		SS61-SB59-35		SS61-SB60-25	
Lab Sample ID:	NMED	**F62066-3**		**F62066-4**		**F62066-5**		**F62066-6**		**F62105-1**		**F62105-2**		**F62105-3**		**F62105-4**	
Date Sampled:	Residential[1]	**12/8/2008**		**12/8/2008**		**12/8/2008**		**12/8/2008**		**12/8/2008**		**12/8/2008**		**12/8/2008**		**12/8/2008**	
Analyte		**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**
Volatile Organic Compounds	**mg/kg**	**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**	
Acetone	28,100	24	U	25	U	8,600	U	24	U	22	U	1,700	U	27	U	23	U
Benzene	10.3	0.97	U	1.0	U	2,130		10.2		0.88	U	1,230		6.3		0.91	U
n-Butylbenzene	62.1	1.4	U	1.4	U	480	U	1.3	U	1.2	U	97	U	1.5	U	1.3	U
sec-Butylbenzene	60.6	1.1	U	1.1	U	1,810		1.1	U	0.97	U	2,620		1.2	U	1.0	U
tert-Butylbenzene	106	1.1	U	1.1	U	772	J	1.1	U	0.97	U	1,260		1.2	U	1.0	U
Chlorobenzene	194	0.97	U	1.0	U	350	U	0.96	U	0.88	U	69	U	1.1	U	0.91	U
Chloroform	4	1.7	U	1.7	U	590	U	1.6	U	1.5	U	120	U	1.8	U	1.6	U
Carbon disulfide	460	1.1	U	1.1	U	380	U	1.2	J	0.97	U	76	U	1.2	U	1.0	U
1,1-Dichloroethylene	206	1.3	U	1.3	U	450	U	1.3	U	1.2	J	90	U	1.4	U	1.2	U
1,2-Dichloroethane	6.04	19.4		1.1	U	380	U	4.2	J	0.97	U	76	U	17.5		1.0	U
m-Dichlorobenzene	32.6	0.97	U	1.0	U	350	U	0.96	U	0.88	U	69	U	1.1	U	0.91	U
o-Dichlorobenzene	37.4	0.97	U	1.0	U	350	U	0.96	U	0.88	U	69	U	1.1	U	0.91	U
p-Dichlorobenzene	39.5	0.97	U	1.0	U	350	U	0.96	U	0.88	U	69	U	1.1	U	0.91	U
Ethylbenzene	128	0.97	U	1.0	U	350	U	0.96	U	0.88	U	8,330		1.1	U	0.91	U
2-Hexanone	NV	4.9	U	5.0	U	1,700	U	4.8	U	4.4	U	350	U	5.3	U	4.6	U
Hexane	38	2.3	U	2.4	U	3,830		2.3	U	2.1	U	170	U	2.6	U	2.2	U
Isopropylbenzene	271	6.3		1.6	J	68,100		3.9	J	1.3	J	71,800		16.0		1.0	U
p-Isopropyltoluene	NV	1.1	U	1.1	U	380	U	1.1	U	0.97	U	76	U	1.2	U	1.0	U
4-Methyl-2-pentanone	NV	6.2	U	6.4	U	2,200	U	6.2	U	5.7	U	440	U	6.8	U	5.8	U
Methylene chloride	182	6.9	J	10.5		6,350		5.5	J	11.5		350	U	5.3	U	4.6	U
Naphthalene	79.5	1.9	U	2.0	U	690	U	1.9	U	1.8	U	140	U	2.1	U	1.8	U
n-Propylbenzene	62.1	1.2	U	1.2	U	1,680	J	1.2	U	1.1	U	5,610		1.3	U	1.1	U
1,1,2,2-Tetrachloroethane	5.55	1.8	U	1.8	U	620	U	1.7	U	1.6	U	120	U	1.9	U	1.6	U
1,2,4-Trichlorobenzene	69.3	1.9	U	2.0	U	690	U	1.9	U	1.8	U	140	U	2.1	U	1.8	U
1,2,4-Trimethylbenzene	58	0.97	U	1.0	U	20,500		0.96	U	0.88	U	1,210		1.1	U	0.91	U
1,3,5-Trimethylbenzene	24.8	0.97	U	1.0	U	12,200		0.96	U	0.88	U	69	U	1.1	U	0.91	U
Toluene	252	0.97	U	1.0	U	350	U	0.96	U	0.88	U	69	U	1.1	U	0.91	U
m,p-Xylene	82	1.8	U	1.9	U	13,000		1.8	U	1.7	U	130	U	2.0	U	1.7	U
o-Xylene	99.5	0.97	U	1.0	U	376	J	0.96	U	0.88	U	69	U	1.1	U	0.91	U
Total Petroleum Hydrocarbons	**mg/kg**	**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**	
TPH-GRO (C6-C10)	940 [3]	2.9	U	2.8	U	**1,680**		2.9	U	2.5	U	**2,420**		4.38	J	2.6	U
TPH-DRO (C10-C22)	940 [3]	5.7	U	5.4	U	6.2	U	5.8	U	5.6	U	6.2	U	5.8	U	5.5	U
TPH-ORO (>C22-C36)	940 [3]	5.7	U	5.4	U	6.2	U	5.8	U	5.6	U	6.2	U	5.8	U	5.5	U
General Chemistry		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**	
Solids, Percent	NV	85.9		90.0		80.0		85.9		90.0		80.6		85.9		89.3	

Notes:

NMED = New Mexico Environment Department
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NV = No Value
TPH = Total Petroleum Hydrocarbons
Q = Laboratory Qualifier
B = Analyte found in associated method blank
U = Not Detected
J = Estimated result. Result is between the Method Detection Limit (MDL) and the Reporting Limit (RL).

[1] NMED, June 2006. Technical Background Document for Development of Soil Screening Levels, Revision 4.0.

[2] If results are not detected (U) then the value is set at the Method Detection Limit (MDL)

[3] NMED, October 2006. TPH Screening Guidelines (Kerosene and Jet Fuel, Residential Direct Exposure)

Bold value indicates analytes above NMED Soil Screening Levels (Rev 4.0, June 2006) or combined TPH results above NMED TPH Screening Guidelines for Kerosene and Jet Fuel (Table 2b, Oct 2006)

Table 6-1
Soil Boring Analytical Results Pipeline T-Junction PCS Source Area (Nov-Dec 2008)
SS-61 Addendum Letter Report
Holloman Air Force Base, New Mexico

Client Sample ID:	Soil Screening Levels	SS61-SB60-30		SS61-SB60-30-a		SS61-SB60-40		SS61-SB61-25		SS61-SB61-29		SS61-SB61-35		SS61-SB62-18		SS61-SB62-28	
Lab Sample ID:	NMED	F62105-5		F62105-7		F62105-6		F62103-1		F62103-2		F62103-3		F62103-4		F62103-5	
Date Sampled:	Residential[1]	12/8/2008		12/8/2008		12/8/2008		12/8/2008		12/8/2008		12/8/2008		12/9/2008		12/9/2008	
Analyte		**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**
Volatile Organic Compounds	**mg/kg**	**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**	
Acetone	28,100	1,600	U	31	U	26	U	27	U	1,900	U	31	U	28	U	32	U
Benzene	10.3	967		138	J	15.4		1.1	U	1,380		32.5		1.1	U	6.2	J
n-Butylbenzene	62.1	91	U	5.1	J	1.5	U	1.5	U	100	U	1.7	U	1.5	U	1.8	U
sec-Butylbenzene	60.6	664		1,080		1.2	U	1.2	U	521		1.4	U	11.3		1.4	U
tert-Butylbenzene	106	311	J	471		1.2	U	1.2	U	1,070		1.4	U	7.4		1.4	U
Chlorobenzene	194	65	U	1.3	U	1.0	U	1.1	U	75	U	1.2	U	1.1	U	1.3	U
Chloroform	4	110	U	2.1	U	1.8	U	1.8	U	130	U	2.1	U	1.9	U	2.2	U
Carbon disulfide	460	72	U	4.5	J	1.2	U	1.2	U	82	U	1.4	U	1.2	U	1.4	U
1,1-Dichloroethylene	206	85	U	1.6	U	1.4	U	1.4	U	97	U	1.6	U	2.4	J	1.7	U
1,2-Dichloroethane	6.04	72	U	1.4	U	5.5		8.0		82	U	11.7		1.2	U	1.4	U
m-Dichlorobenzene	32.6	65	U	1.3	U	1.0	U	1.1	U	75	U	1.2	U	1.1	U	1.3	U
o-Dichlorobenzene	37.4	65	U	1.3	U	1.0	U	1.1	U	75	U	1.2	U	1.1	U	1.3	U
p-Dichlorobenzene	39.5	65	U	1.3	U	1.0	U	1.1	U	75	U	1.2	U	1.1	U	1.3	U
Ethylbenzene	128	65	U	1,100		1.0	U	1.1	U	75	U	1.2	U	1.1	U	1.3	U
2-Hexanone	NV	330	U	6.3	U	5.2	U	5.4	U	370	U	6.2	U	5.5	U	6.4	U
Hexane	38	160	U	3.0	U	2.5	U	2.6	U	180	U	3.0	U	2.6	U	3.1	U
Isopropylbenzene	271	21,400		28,700		2.2	J	1.2	U	310	J	102		15.7		8.6	
p-Isopropyltoluene	NV	72	U	1.4	U	1.2	U	1.2	U	82	U	1.4	U	1.2	U	1.4	U
4-Methyl-2-pentanone	NV	420	U	8.0	U	6.7	U	6.9	U	480	U	7.9	U	7.1	U	8.1	U
Methylene chloride	182	572	JB	6.3	U	6.6	J	5.4	U	370	U	6.2	U	8.8	JB	6.4	U
Naphthalene	79.5	130	U	2.5	U	2.1	U	2.2	U	150	U	2.5	U	2.2	U	2.5	U
n-Propylbenzene	62.1	551		1,010		1.3	U	1.3	U	90	U	1.5	U	1.3	U	1.5	U
1,1,2,2-Tetrachloroethane	5.55	120	U	2.3	U	1.9	U	2.0	U	130	U	2.2	U	2.0	U	2.3	U
1,2,4-Trichlorobenzene	69.3	130	U	2.5	U	2.1	U	2.2	U	150	U	2.5	U	2.2	U	2.5	U
1,2,4-Trimethylbenzene	58	65	U	1.3	U	1.0	U	1.1	U	75	U	1.2	U	1.1	U	1.3	U
1,3,5-Trimethylbenzene	24.8	65	U	1.3	U	1.0	U	1.1	U	75	U	1.2	U	1.1	U	1.3	U
Toluene	252	65	U	1.3	U	1.0	U	1.1	U	75	U	1.2	U	1.1	U	1.3	U
m,p-Xylene	82	120	U	2.4	U	2.0	U	2.1	U	140	U	2.3	U	2.1	U	2.4	U
o-Xylene	99.5	65	U	1.3	U	1.0	U	1.1	U	75	U	1.2	U	1.1	U	1.3	U
Total Petroleum Hydrocarbons	**mg/kg**	**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**	
TPH-GRO (C6-C10)	940 [3]	**946**		**1,390**		3.3	U	3.8	U	**1,690**		4.0	U	26.6		4.3	U
TPH-DRO (C10-C22)	940 [3]	6.1	U	6.5	U	6.1	U	6.1	U	7.34	J	6.6	U	6.4	U	6.6	U
TPH-ORO (>C22-C36)	940 [3]	6.1	U	6.5	U	6.1	U	6.1	U	7.24	J	6.6	U	6.4	U	6.6	U
General Chemistry		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**	
Solids, Percent	NV	80.9		77.0		80.1		81.3		75.4		75.1		76.7		73.8	

Notes:

NMED = New Mexico Environment Department

µg/kg = micrograms per kilogram

mg/kg = milligrams per kilogram

NV = No Value

TPH = Total Petroleum Hydrocarbons

Q = Laboratory Qualifier

B = Analyte found in associated method blank

U = Not Detected

J = Estimated result. Result is between the Method Detection Limit (MDL) and the Reporting Limit (RL).

[1] NMED, June 2006. Technical Background Document for Development of Soil Screening Levels, Revision 4.0.

[2] If results are not detected (U) then the value is set at the Method Detection Limit (MDL)

[3] NMED, October 2006. TPH Screening Guidelines (Kerosene and Jet Fuel, Residential Direct Exposure)

Bold value indicates analytes above NMED Soil Screening Levels (Rev 4.0, June 2006) or combined TPH results above NMED TPH Screening Guidelines for Kerosene and Jet Fuel (Table 2b, Oct 2006)

Table 6-1
Soil Boring Analytical Results Pipeline T-Junction PCS Source Area (Nov-Dec 2008)
SS-61 Addendum Letter Report
Holloman Air Force Base, New Mexico

Client Sample ID:	Soil Screening Levels	SS61-SB62-28-a		SS61-SB62-35		SS61-SB63-16		SS61-SB63-28		SS61-SB63-35	
Lab Sample ID:	NMED Residential[1]	F62103-6		F62103-7		F62142-1		F62142-2		F62142-3	
Date Sampled:		12/9/2008		12/9/2008		12/9/2008		12/9/2008		12/9/2008	
Analyte		Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q
Volatile Organic Compounds	mg/kg	µg/kg		µg/kg		µg/kg		µg/kg		µg/kg	
Acetone	28,100	33	U	29	U	27	U	28	U	29	U
Benzene	10.3	18.2		1.2	U	1.1	U	5.4	J	1.2	U
n-Butylbenzene	62.1	1.9	U	1.6	U	1.5	U	1.6	U	1.6	U
sec-Butylbenzene	60.6	1.5	U	1.3	U	1.2	U	33.3		1.3	U
tert-Butylbenzene	106	1.5	U	1.3	U	1.2	U	39.5		1.3	U
Chlorobenzene	194	1.3	U	1.2	U	1.1	U	1.1	U	1.2	U
Chloroform	4	2.2	U	2.0	U	1.8	U	1.9	U	2.0	U
Carbon disulfide	460	2.0	J	1.3	U	1.2	U	1.2	U	2.1	J
1,1-Dichloroethylene	206	1.7	U	2.5	J	1.4	U	1.5	U	1.5	U
1,2-Dichloroethane	6.04	1.5	U	1.8	J	1.2	U	1.2	U	1.3	U
m-Dichlorobenzene	32.6	1.3	U	1.2	U	1.1	U	1.1	U	1.2	U
o-Dichlorobenzene	37.4	1.3	U	1.2	U	1.1	U	1.1	U	1.2	U
p-Dichlorobenzene	39.5	1.3	U	1.2	U	1.1	U	1.1	U	1.2	U
Ethylbenzene	128	1.3	U	1.2	U	1.1	U	79.6		1.2	U
2-Hexanone	NV	6.6	U	5.8	U	5.4	U	5.6	U	5.8	U
Hexane	38	3.2	U	2.8	U	2.6	U	2.7	U	2.8	U
Isopropylbenzene	271	8.3		1.3	U	1.2	U	4,370		1.3	U
p-Isopropyltoluene	NV	1.5	U	1.3	U	1.2	U	1.2	U	1.3	U
4-Methyl-2-pentanone	NV	8.5	U	7.4	U	6.9	U	7.1	U	7.4	U
Methylene chloride	182	6.6	U	5.8	U	5.4	U	11.9	B	6.7	JB
Naphthalene	79.5	2.6	U	2.3	U	2.1	U	2.2	U	2.3	U
n-Propylbenzene	62.1	1.6	U	1.4	U	1.3	U	45.6		1.4	U
1,1,2,2-Tetrachloroethane	5.55	2.4	U	2.1	U	1.9	U	2.0	U	2.1	U
1,2,4-Trichlorobenzene	69.3	2.6	U	2.3	U	2.1	U	2.2	U	2.3	U
1,2,4-Trimethylbenzene	58	1.3	U	1.2	U	1.1	U	15.6		1.2	U
1,3,5-Trimethylbenzene	24.8	1.3	U	1.2	U	1.1	U	13.4		1.2	U
Toluene	252	1.3	U	1.2	U	1.1	U	1.1	U	1.2	U
m,p-Xylene	82	2.5	U	2.2	U	2.0	U	7.0	J	2.2	U
o-Xylene	99.5	1.3	U	1.2	U	1.1	U	2.0	J	1.2	U
Total Petroleum Hydrocarbons	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
TPH-GRO (C6-C10)	940 [3]	3.8	U	3.6	U	3.2	U	433		3.3	U
TPH-DRO (C10-C22)	940 [3]	6.8	U	6.2	U	6.1	U	6.2	U	6.0	U
TPH-ORO (>C22-C36)	940 [3]	6.8	U	6.2	U	6.1	U	6.2	U	6.0	U
General Chemistry		%		%		%		%		%	
Solids, Percent	NV	73.5		80.0		83.1		80.6		82.7	

Notes:

NMED = New Mexico Environment Department
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NV = No Value
TPH = Total Petroleum Hydrocarbons
Q = Laboratory Qualifier
B = Analyte found in associated method blank
U = Not Detected
J = Estimated result. Result is between the Method Detection Limit (MDL) and the Reporting Limit (RL).

[1] NMED, June 2006. Technical Background Document for Development of Soil Screening Levels, Revision 4.0.

[2] If results are not detected (U) then the value is set at the Method Detection Limit (MDL)

[3] NMED, October 2006. TPH Screening Guidelines (Kerosene and Jet Fuel, Residential Direct Exposure)

Bold value indicates analytes above NMED Soil Screening Levels (Rev 4.0, June 2006) or combined TPH results above NMED TPH Screening Guidelines for Kerosene and Jet Fuel (Table 2b, Oct 2006)

Table 6-1
Soil Boring Analytical Results Pipeline T-Junction PCS Source Area (Nov-Dec 2008)
SS-61 Addendum Letter Report
Holloman Air Force Base, New Mexico

Client Sample ID:	Soil Screening Levels	SS61-SB37-28		SS61-SB37-37		SS61-SB38-15		SS61-SB38-20		SS61-SB38-20		SS61-SB38-35		SS61-SB39-25		SS61-SB39-29	
Lab Sample ID:	NMED	F61932-2		F61932-3		F61932-4		F61932-5A		F61932-5		F61932-6		F61932-7		F61932-8	
Date Sampled:	Residential[1]	12/2/2008		12/2/2008		12/2/2008		12/2/2008		12/2/2008		12/2/2008		12/3/2008		12/3/2008	
Analyte		**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**
Volatile Organic Compounds	**mg/kg**	**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**	
Acetone	28,100	31	U	28	U	38.6	J	NA		19,000	U	28	U	23	U	37.6	J
Benzene	10.3	8.0		1.1	U	1.1	U	NA		1,240	J	1.1	U	0.94	U	1.0	U
n-Butylbenzene	62.1	1.7	U	1.6	U	1.5	U	NA		1,000	U	1.6	U	1.3	U	1.4	U
sec-Butylbenzene	60.6	22.0		1.2	U	1.2	U	NA		2,250	J	1.2	U	1.0	U	10.2	
tert-Butylbenzene	106	8.9		1.2	U	1.2	U	NA		871	J	1.2	U	1.0	U	1.1	U
Chlorobenzene	194	1.2	U	1.1	U	1.1	U	NA		740	U	1.6	J	0.94	U	1.0	U
Chloroform	4	2.1	U	1.9	U	1.8	U	NA		1,300	U	1.9	U	1.6	U	1.7	U
Carbon disulfide	460	1.7	J	1.2	U	1.2	U	NA		820	U	1.2	U	1.0	U	2.3	J
1,1-Dichloroethylene	206	1.6	U	1.4	U	1.4	U	NA		970	U	1.5	U	1.2	U	1.3	U
1,2-Dichloroethane	6.04	1.4	U	1.2	U	1.2	U	NA		820	U	1.2	U	1.0	U	1.1	U
m-Dichlorobenzene	32.6	1.2	U	1.1	U	1.1	U	NA		740	U	16.0		0.94	U	1.0	U
o-Dichlorobenzene	37.4	1.2	U	1.1	U	1.1	U	NA		740	U	61.3		0.94	U	1.0	U
p-Dichlorobenzene	39.5	1.2	U	1.1	U	1.1	U	NA		740	U	21.2		0.94	U	1.0	U
Ethylbenzene	128	1.2	U	1.1	U	1.1	U	NA		740	U	1.1	U	0.94	U	1.0	U
2-Hexanone	NV	6.2	U	5.6	U	5.3	U	NA		3,700	U	16.5	J	4.7	U	5.0	U
Hexane	38	3.0	U	2.7	U	2.5	U	NA		1,800	U	2.7	U	2.2	U	2.4	U
Isopropylbenzene	271	837		4.0	J	1.2	U	NA		68,000		1.2	U	1.0	U	1.1	U
p-Isopropyltoluene	NV	1.4	U	1.2	U	1.2	U	NA		820	U	1.2	U	1.0	U	1.1	U
4-Methyl-2-pentanone	NV	7.9	U	7.1	U	6.8	U	NA		4,800	U	7.3	U	6.0	U	6.5	U
Methylene chloride	182	6.2	J	6.4	J	8.4	J	NA		6,770	JB	12.7	B	14.7	B	11.3	
Naphthalene	79.5	2.5	U	2.2	U	2.1	U	NA		1,500	U	2.3	U	1.9	U	2.0	U
n-Propylbenzene	62.1	2.0	J	1.3	U	1.3	U	NA		890	U	1.4	U	1.1	U	1.2	U
1,1,2,2-Tetrachloroethane	5.55	2.2	U	2.0	U	1.9	U	NA		1,300	U	2.0	U	1.7	U	1.8	U
1,2,4-Trichlorobenzene	69.3	2.5	U	2.2	U	2.1	U	NA		1,500	U	2.3	U	1.9	U	2.0	U
1,2,4-Trimethylbenzene	58	1.2	U	1.1	U	1.1	U	NA		740	U	1.1	U	0.94	U	1.0	U
1,3,5-Trimethylbenzene	24.8	1.2	U	1.1	U	1.1	U	NA		740	U	1.1	U	0.94	U	1.0	U
Toluene	252	1.2	U	1.1	U	1.1	U	NA		740	U	1.1	U	0.94	U	1.0	U
m,p-Xylene	82	2.4	U	2.1	U	2.0	U	NA		1,400	U	2.2	U	1.8	U	1.9	U
o-Xylene	99.5	1.2	U	1.1	U	1.1	U	NA		740	U	1.1	U	0.94	U	1.0	U
Total Petroleum Hydrocarbons	**mg/kg**	**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**	
TPH-GRO (C6-C10)	940 [3]	53.5		3.2	U	3.4	U	NA		**1,310**		3.2	U	2.8	U	**2,840**	
TPH-DRO (C10-C22)	940 [3]	NA		5.8	U	6.1	U	294		NA		5.9	U	5.6	U	5.9	U
TPH-ORO (>C22-C36)	940 [3]	NA		5.8	U	6.1	U	33.4	J	NA		5.9	U	5.6	U	5.9	U
General Chemistry		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**	
Solids, Percent	NV	74.1		83.6		81.8		NA		76.2		83.2		86.6		83.7	

Notes:

NMED = New Mexico Environment Department
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NV = No Value
TPH = Total Petroleum Hydrocarbons
Q = Laboratory Qualifier
B = Analyte found in associated method blank
U = Not Detected
J = Estimated result. Result is between the Method Detection Limit (MDL) and the Reporting Limit (RL).

[1] NMED, June 2006. Technical Background Document for Development of Soil Screening Levels, Revision 4.0.

[2] If results are not detected (U) then the value is set at the Method Detection Limit (MDL)

[3] NMED, October 2006. TPH Screening Guidelines (Kerosene and Jet Fuel, Residential Direct Exposure)

Bold value indicates analytes above NMED Soil Screening Levels (Rev 4.0, June 2006) or combined TPH results above NMED TPH Screening Guidelines for Kerosene and Jet Fuel (Table 2b, Oct 2006)

Table 6-1
Soil Boring Analytical Results Pipeline T-Junction PCS Source Area (Nov-Dec 2008)
SS-61 Addendum Letter Report
Holloman Air Force Base, New Mexico

Client Sample ID:	Soil Screening Levels	SS61-SB39-35		SS61-SB46-17		SS61-SB46-28		SS61-SB46-28-a		SS61-SB46-35		SS61-SB47-25		SS61-SB47-29		SS61-SB47-35	
Lab Sample ID:	NMED	**F61932-9**		**F62034-1**		**F62034-2**		**F62034-3**		**F62034-4**		**F62028-4**		**F62028-5**		**F62028-6**	
Date Sampled:	Residential[1]	**12/3/2008**		**12/5/2008**		**12/5/2008**		**12/5/2008**		**12/5/2008**		**12/5/2008**		**12/5/2008**		**12/5/2008**	
Analyte		**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**
Volatile Organic Compounds	**mg/kg**	**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**	
Acetone	28,100	58.8		25	U	17,000	U	1,600	U	25	U	23	U	1,600	U	28	U
Benzene	10.3	1.0	U	1.0	U	**17,100**		**30,900**		4.5	J	0.93	U	64	U	214	
n-Butylbenzene	62.1	1.4	U	1.4	U	980	U	196	J	1.4	U	1.3	U	90	U	1.6	U
sec-Butylbenzene	60.6	1.1	U	1.1	U	1,300	J	2,040		1.6	J	1.0	U	114	J	1.2	U
tert-Butylbenzene	106	1.1	U	1.1	U	770	U	876		1.1	U	1.0	U	99.9	J	1.2	U
Chlorobenzene	194	1.0	U	1.0	U	700	U	64	U	1.0	U	0.93	U	64	U	1.1	U
Chloroform	4	1.7	U	1.7	U	1,200	U	110	U	1.7	U	1.6	U	110	U	1.9	U
Carbon disulfide	460	1.1	U	1.5	J	770	U	70	U	1.1	U	1.0	U	71	U	1.2	U
1,1-Dichloroethylene	206	1.3	U	1.3	U	910	U	83	U	1.3	U	1.2	U	83	U	1.4	U
1,2-Dichloroethane	6.04	1.1	U	1.1	U	770	U	70	U	3.1	J	1.0	U	71	U	5.1	J
m-Dichlorobenzene	32.6	1.0	U	1.0	U	700	U	64	U	1.7	J	0.93	U	64	U	1.1	U
o-Dichlorobenzene	37.4	1.0	U	1.0	U	700	U	64	U	6.9		0.93	U	64	U	1.1	U
p-Dichlorobenzene	39.5	1.0	U	1.0	U	700	U	64	U	1.7	J	0.93	U	64	U	1.1	U
Ethylbenzene	128	1.0	U	1.0	U	15,600		30,900		1.0	U	0.93	U	64	U	1.1	U
2-Hexanone	NV	5.0	U	5.0	U	3,500	U	320	U	5.1	U	4.6	U	320	U	5.5	U
Hexane	38	2.4	U	2.4	U	1,700	U	24,700		2.4	U	2.2	U	150	U	2.7	U
Isopropylbenzene	271	1.1	U	1.1	U	57,400		125,000		121		1.0	U	3,050		11.4	
p-Isopropyltoluene	NV	1.1	U	1.1	U	770	U	70	U	1.1	U	1.0	U	71	U	1.2	U
4-Methyl-2-pentanone	NV	6.4	U	6.4	U	4,500	U	410	U	6.5	U	5.9	U	410	U	7.1	U
Methylene chloride	182	11.1	B	5.0	U	5,040	J	320	U	7.0	J	4.6	U	544	J	6.6	J
Naphthalene	79.5	2.0	U	2.0	U	1,400	U	226	J	2.0	U	1.9	U	130	U	2.2	U
n-Propylbenzene	62.1	1.2	U	1.2	U	2,540	J	4,200		1.2	U	1.1	U	77	U	1.3	U
1,1,2,2-Tetrachloroethane	5.55	1.8	U	1.8	U	1,300	U	110	U	1.8	U	1.7	U	120	U	2.0	U
1,2,4-Trichlorobenzene	69.3	2.0	U	2.0	U	1,400	U	130	U	2.0	U	1.9	U	130	U	2.2	U
1,2,4-Trimethylbenzene	58	1.0	U	1.0	U	19,700		32,600		1.0	U	0.93	U	141	J	1.1	U
1,3,5-Trimethylbenzene	24.8	1.0	U	1.0	U	700	U	625		1.0	U	0.93	U	64	U	1.1	U
Toluene	252	1.0	U	1.0	U	2,080	J	10,000		1.0	U	0.93	U	64	U	1.1	U
m,p-Xylene	82	1.9	U	1.9	U	23,900		49,100		1.9	U	1.8	U	120	U	2.1	U
o-Xylene	99.5	1.0	U	1.0	U	5,410		40,600		1.0	U	0.93	U	64	U	1.1	U
Total Petroleum Hydrocarbons	**mg/kg**	**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**	
TPH-GRO (C6-C10)	940 [3]	2.9	U	3.3	U	**2,120**		**4,160**		2.7	U	2.9	U	116		3.4	U
TPH-DRO (C10-C22)	940 [3]	5.8	U	5.9	U	13.5		15.0		5.6	U	5.5	U	6.1	U	6.0	U
TPH-ORO (>C22-C36)	940 [3]	5.8	U	5.9	U	10.7		10.4		5.6	U	5.5	U	6.1	U	6.0	U
General Chemistry		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**	
Solids, Percent	NV	86.3		84.1		79.8		80.8		88.1		88.6		81.4		80.6	

Notes:

NMED = New Mexico Environment Department
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NV = No Value
TPH = Total Petroleum Hydrocarbons
Q = Laboratory Qualifier
B = Analyte found in associated method blank
U = Not Detected
J = Estimated result. Result is between the Method Detection Limit (MDL) and the Reporting Limit (RL).

[1] NMED, June 2006. Technical Background Document for Development of Soil Screening Levels, Revision 4.0.

[2] If results are not detected (U) then the value is set at the Method Detection Limit (MDL)

[3] NMED, October 2006. TPH Screening Guidelines (Kerosene and Jet Fuel, Residential Direct Exposure)

Bold value indicates analytes above NMED Soil Screening Levels (Rev 4.0, June 2006) or combined TPH results above NMED TPH Screening Guidelines for Kerosene and Jet Fuel (Table 2b, Oct 2006)

Table 6-1
Soil Boring Analytical Results Pipeline T-Junction PCS Source Area (Nov-Dec 2008)
SS-61 Addendum Letter Report
Holloman Air Force Base, New Mexico

Client Sample ID:	Soil Screening Levels	SS61-SB48-17		SS61-SB48-25		SS61-SB48-40		SS61-SB49-20		SS61-SB49-30		SS61-SB49-35		SS61-SB50-20		SS61-SB50-29	
Lab Sample ID:	NMED	F62033-1		F62033-2		F62033-3		F62061-1		F62061-2		F62061-3		F62061-4		F62061-5	
Date Sampled:	Residential[1]	12/5/2008		12/5/2008		12/5/2008		12/5/2008		12/5/2008		12/5/2008		12/5/2008		12/5/2008	
Analyte		**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**
Volatile Organic Compounds	**mg/kg**	**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**	
Acetone	28,100	27	U	15,000	U	35.1	J	26	U	167		28	U	26	U	18,000	U
Benzene	10.3	1.1	U	**31,100**		187		1.0	U	802		1.1	U	1.0	U	1,470	J
n-Butylbenzene	62.1	1.5	U	820	U	1.6	U	1.4	U	1.7	U	1.5	U	1.4	U	990	U
sec-Butylbenzene	60.6	1.2	U	1,340	J	1.2	U	1.1	U	41.3		1.2	U	1.1	U	2,230	J
tert-Butylbenzene	106	1.2	U	650	U	1.2	U	1.1	U	20.0		1.2	U	1.1	U	946	J
Chlorobenzene	194	1.1	U	590	U	1.1	U	1.0	U	1.2	U	1.1	U	1.0	U	710	U
Chloroform	4	1.8	U	1,000	U	1.9	U	1.7	U	2.1	U	1.9	U	1.7	U	1,200	U
Carbon disulfide	460	1.2	U	650	U	1.2	U	1.1	U	4.3	J	1.2	U	1.1	U	780	U
1,1-Dichloroethylene	206	1.4	U	760	U	1.5	U	1.3	U	1.6	U	1.4	U	1.3	U	920	U
1,2-Dichloroethane	6.04	1.2	U	650	U	7.7		1.1	U	3.1	J	1.2	U	1.1	U	780	U
m-Dichlorobenzene	32.6	1.1	U	590	U	1.1	U	1.0	U	1.2	U	1.1	U	1.0	U	710	U
o-Dichlorobenzene	37.4	1.1	U	590	U	1.1	U	1.0	U	1.2	U	1.1	U	1.0	U	710	U
p-Dichlorobenzene	39.5	1.1	U	590	U	1.1	U	1.0	U	1.2	U	1.1	U	1.0	U	710	U
Ethylbenzene	128	1.1	U	13,600		1.1	U	1.0	U	463		1.1	U	1.0	U	23,000	
2-Hexanone	NV	5.3	U	2,900	U	5.6	U	5.1	U	6.0	U	5.5	U	5.1	U	3,500	U
Hexane	38	2.6	U	1,400	U	2.7	U	2.5	U	2.9	U	2.7	U	2.5	U	1,700	U
Isopropylbenzene	271	1.2	U	61,700		47.0		1.1	U	2,810		1.5	J	1.1	U	108,000	
p-Isopropyltoluene	NV	1.2	U	650	U	1.2	U	1.1	U	1.3	U	1.2	U	1.1	U	780	U
4-Methyl-2-pentanone	NV	6.8	U	3,800	U	7.2	U	6.5	U	7.7	U	7.1	U	6.5	U	4,500	U
Methylene chloride	182	5.3	U	2,900	U	6.3	JB	8.6	J	8.6	J	30.1		9.1	J	3,500	U
Naphthalene	79.5	2.1	U	1,200	U	2.3	U	2.0	U	2.4	U	2.2	U	2.0	U	1,400	U
n-Propylbenzene	62.1	1.3	U	2,780	J	1.4	U	1.2	U	91.2		1.3	U	1.2	U	5,230	
1,1,2,2-Tetrachloroethane	5.55	1.9	U	1,100	U	2.0	U	1.8	U	2.2	U	2.0	U	1.8	U	1,300	U
1,2,4-Trichlorobenzene	69.3	2.1	U	1,200	U	2.3	U	2.0	U	2.4	U	2.2	U	2.0	U	1,400	U
1,2,4-Trimethylbenzene	58	1.1	U	3,820		1.1	U	1.0	U	1.2	U	1.1	U	1.0	U	1,080	J
1,3,5-Trimethylbenzene	24.8	1.1	U	590	U	1.1	U	1.0	U	1.2	U	1.1	U	1.0	U	710	U
Toluene	252	1.1	U	590	U	1.1	U	1.0	U	1.2	U	1.1	U	1.0	U	710	U
m,p-Xylene	82	2.0	U	1,100	U	2.1	U	1.9	U	2.3	U	2.1	U	1.9	U	1,300	U
o-Xylene	99.5	1.1	U	590	U	1.1	U	1.0	U	1.2	U	1.1	U	1.0	U	1,150	J
Total Petroleum Hydrocarbons	**mg/kg**	**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**	
TPH-GRO (C6-C10)	940 [3]	3.0	U	142		3.5	U	3.1	U	51.2		3.0	U	3.1	U	**2,020**	
TPH-DRO (C10-C22)	940 [3]	5.7	U	5.6	U	6.2	U	5.7	U	6.0	U	5.7	U	5.8	U	6.2	U
TPH-ORO (>C22-C36)	940 [3]	5.7	U	5.6	U	6.2	U	5.7	U	6.0	U	5.7	U	5.8	U	6.2	U
General Chemistry		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**	
Solids, Percent	NV	86.9		88.1		79.1		86.1		82.8		86.9		85.2		78.9	

Notes:

NMED = New Mexico Environment Department
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NV = No Value
TPH = Total Petroleum Hydrocarbons
Q = Laboratory Qualifier
B = Analyte found in associated method blank
U = Not Detected
J = Estimated result. Result is between the Method Detection Limit (MDL) and the Reporting Limit (RL).

[1] NMED, June 2006. Technical Background Document for Development of Soil Screening Levels, Revision 4.0.

[2] If results are not detected (U) then the value is set at the Method Detection Limit (MDL)

[3] NMED, October 2006. TPH Screening Guidelines (Kerosene and Jet Fuel, Residential Direct Exposure)

Bold value indicates analytes above NMED Soil Screening Levels (Rev 4.0, June 2006) or combined TPH results above NMED TPH Screening Guidelines for Kerosene and Jet Fuel (Table 2b, Oct 2006)

Table 6-1
Soil Boring Analytical Results Pipeline T-Junction PCS Source Area (Nov-Dec 2008)
SS-61 Addendum Letter Report
Holloman Air Force Base, New Mexico

Client Sample ID:	Soil Screening Levels	SS61-SB50-29-a		SS61-SB50-35		SS61-SB51-20		SS61-SB51-25		SS61-SB51-35		SS61-SB52-21		SS61-SB52-30		SS61-SB52-35	
Lab Sample ID:	NMED	F62061-6		F62061-7		F62063-1		F62063-2		F62063-3		F62063-4		F62063-5		F62063-6	
Date Sampled:	Residential[1]	12/5/2008		12/5/2008		12/6/2008		12/6/2008		12/6/2008		12/6/2008		12/6/2008		12/6/2008	
Analyte		**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**
Volatile Organic Compounds	**mg/kg**	**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**	
Acetone	28,100	20,000	U	25	U	25	U	1,400	U	62	U	23	U	1,700	U	1,500	U
Benzene	10.3	1,090	J	1.7	J	0.99	U	349		13.3		0.94	U	2,210		860	
n-Butylbenzene	62.1	1,100	U	1.4	U	1.4	U	81	U	3.5	U	1.3	U	92	U	87	U
sec-Butylbenzene	60.6	2,040	J	1.1	U	1.1	U	646		2.7	U	1.0	U	73	U	68	U
tert-Butylbenzene	106	890	U	1.1	U	1.1	U	259	J	2.7	U	1.0	U	73	U	68	U
Chlorobenzene	194	810	U	0.99	U	0.99	U	58	U	2.5	U	0.94	U	66	U	62	U
Chloroform	4	1,400	U	1.7	U	1.7	U	99	U	4.2	U	1.6	U	110	U	110	U
Carbon disulfide	460	890	U	2.6	J	1.1	U	64	U	2.7	U	1.0	U	73	U	68	U
1,1-Dichloroethylene	206	1,100	U	1.3	U	1.3	U	75	U	3.2	U	1.2	U	86	U	80	U
1,2-Dichloroethane	6.04	890	U	1.1	U	1.1	U	64	U	4.2	J	1.0	U	73	U	68	U
m-Dichlorobenzene	32.6	810	U	0.99	U	0.99	U	58	U	2.5	U	0.94	U	66	U	62	U
o-Dichlorobenzene	37.4	810	U	0.99	U	0.99	U	58	U	2.5	U	0.94	U	66	U	62	U
p-Dichlorobenzene	39.5	810	U	0.99	U	0.99	U	58	U	2.5	U	0.94	U	66	U	62	U
Ethylbenzene	128	17,600		0.99	U	0.99	U	5,650		2.5	U	0.94	U	134	J	62	U
2-Hexanone	NV	4,000	U	5.0	U	5.0	U	290	U	12	U	4.7	U	330	U	310	U
Hexane	38	1,900	U	2.4	U	2.4	U	532		6.0	U	2.2	U	160	U	150	U
Isopropylbenzene	271	93,100		31.0		1.1	U	26,900		295		1.0	U	521		125	J
p-Isopropyltoluene	NV	890	U	1.1	U	1.1	U	64	U	2.7	U	1.0	U	73	U	68	U
4-Methyl-2-pentanone	NV	5,200	U	6.4	U	6.4	U	370	U	16	U	6.0	U	420	U	400	U
Methylene chloride	182	4,000	U	8.2	J	8.6	JB	601	B	46.4	B	6.9	JB	791	B	1,060	B
Naphthalene	79.5	1,600	U	2.0	U	2.0	U	120	U	5.0	U	1.9	U	130	U	120	U
n-Propylbenzene	62.1	4,590		1.2	U	1.2	U	1,330		3.0	U	1.1	U	79	U	74	U
1,1,2,2-Tetrachloroethane	5.55	1,500	U	1.8	U	1.8	U	100	U	4.5	U	1.7	U	120	U	110	U
1,2,4-Trichlorobenzene	69.3	1,600	U	2.0	U	2.0	U	120	U	5.0	U	1.9	U	130	U	120	U
1,2,4-Trimethylbenzene	58	5,130		0.99	U	0.99	U	316		2.5	U	0.94	U	66	U	62	U
1,3,5-Trimethylbenzene	24.8	810	U	0.99	U	0.99	U	285	J	2.5	U	0.94	U	66	U	62	U
Toluene	252	810	U	0.99	U	0.99	U	58	U	2.5	U	0.94	U	66	U	62	U
m,p-Xylene	82	1,500	U	1.9	U	1.9	U	110	U	4.7	U	1.8	U	130	U	120	U
o-Xylene	99.5	865	J	0.99	U	0.99	U	258	J	2.5	U	0.94	U	66	U	62	U
Total Petroleum Hydrocarbons	**mg/kg**	**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**	
TPH-GRO (C6-C10)	940 [3]	**1,500**		2.9	U	2.7	U	519		3.0	U	2.9	U	8.57		3.1	U
TPH-DRO (C10-C22)	940 [3]	11.0		5.7	U	5.6	U	5.7	U	5.7	U	5.8	U	5.9	U	5.9	U
TPH-ORO (>C22-C36)	940 [3]	6.8	U	5.7	U	5.6	U	5.7	U	5.7	U	5.8	U	5.9	U	5.9	U
General Chemistry		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**	
Solids, Percent	NV	72.9		86.7		89.2		87.5		86.5		85.3		82.0		84.9	

Notes:

NMED = New Mexico Environment Department
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NV = No Value
TPH = Total Petroleum Hydrocarbons
Q = Laboratory Qualifier
B = Analyte found in associated method blank
U = Not Detected
J = Estimated result. Result is between the Method Detection Limit (MDL) and the Reporting Limit (RL).

[1] NMED, June 2006. Technical Background Document for Development of Soil Screening Levels, Revision 4.0.

[2] If results are not detected (U) then the value is set at the Method Detection Limit (MDL)

[3] NMED, October 2006. TPH Screening Guidelines (Kerosene and Jet Fuel, Residential Direct Exposure)

Bold value indicates analytes above NMED Soil Screening Levels (Rev 4.0, June 2006) or combined TPH results above NMED TPH Screening Guidelines for Kerosene and Jet Fuel (Table 2b, Oct 2006)

Table 6-1
Soil Boring Analytical Results Pipeline T-Junction PCS Source Area (Nov-Dec 2008)
SS-61 Addendum Letter Report
Holloman Air Force Base, New Mexico

Client Sample ID:	Soil Screening Levels	SS61-SB53-20		SS61-SB53-29		SS61-SB53-29-a		SS61-SB53-35		SS61-SB54-25		SS61-SB54-30		SS61-SB54-31		SS61-SB55-17	
Lab Sample ID:	NMED	F62060-1		F62060-2		F62060-3		F62060-4		F62060-5		F62060-6		F62060-7		F62062-1	
Date Sampled:	Residential[1]	12/7/2008		12/7/2008		12/7/2008		12/7/2008		12/7/2008		12/7/2008		12/7/2008		12/7/2008	
Analyte		**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**
Volatile Organic Compounds	**mg/kg**	**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**	
Acetone	28,100	24	U	1,400	U	1,500	U	27	U	24	U	27	U	25	U	28	U
Benzene	10.3	0.96	U	645		947		1.1	U	22.2		1.1	U	1.0	U	1.1	U
n-Butylbenzene	62.1	1.3	U	81	U	84	U	1.5	U	1.4	U	1.5	U	1.4	U	1.6	U
sec-Butylbenzene	60.6	1.1	U	565		689		1.2	U	1.1	U	1.2	U	1.1	U	1.2	U
tert-Butylbenzene	106	1.1	U	237	J	300		1.2	U	1.1	U	1.2	U	1.1	U	1.2	U
Chlorobenzene	194	0.96	U	58	U	60	U	1.1	U	0.98	U	1.1	U	1.0	U	1.1	U
Chloroform	4	1.6	U	98	U	100	U	1.8	U	1.7	U	1.9	U	1.7	U	1.9	U
Carbon disulfide	460	1.1	U	63	U	66	U	1.2	U	1.1	U	1.2	U	1.1	U	1.2	U
1,1-Dichloroethylene	206	1.2	U	75	U	78	U	1.4	U	1.3	U	1.4	U	1.3	U	1.4	U
1,2-Dichloroethane	6.04	1.1	U	63	U	66	U	1.6	J	2.7	J	1.6	J	1.1	U	1.2	U
m-Dichlorobenzene	32.6	0.96	U	58	U	60	U	1.1	U	0.98	U	1.1	U	1.0	U	1.1	U
o-Dichlorobenzene	37.4	0.96	U	58	U	60	U	1.1	U	0.98	U	1.1	U	1.0	U	1.1	U
p-Dichlorobenzene	39.5	0.96	U	58	U	60	U	1.1	U	0.98	U	1.1	U	1.0	U	1.1	U
Ethylbenzene	128	0.96	U	1,500		1,770		1.1	U	0.98	U	1.1	U	1.0	U	1.1	U
2-Hexanone	NV	4.8	U	290	U	300	U	5.4	U	4.9	U	5.5	U	5.1	U	5.5	U
Hexane	38	2.3	U	140	U	140	U	2.6	U	2.3	U	2.6	U	2.4	U	2.7	U
Isopropylbenzene	271	1.1	U	23,200		24,500		4.2	J	1.1	U	1.2	U	1.1	U	1.2	U
p-Isopropyltoluene	NV	1.1	U	63	U	66	U	1.2	U	1.1	U	1.2	U	1.1	U	1.2	U
4-Methyl-2-pentanone	NV	6.1	U	370	U	380	U	7.0	U	6.3	U	7.0	U	6.5	U	7.1	U
Methylene chloride	182	6.6	JB	381	JB	581	JB	8.3	JB	4.9	U	9.3	JB	11.1	B	15.8	
Naphthalene	79.5	1.9	U	120	U	120	U	2.2	U	2.0	U	2.2	U	2.0	U	2.2	U
n-Propylbenzene	62.1	1.1	U	866		1,030		1.3	U	1.2	U	1.3	U	1.2	U	1.3	U
1,1,2,2-Tetrachloroethane	5.55	1.7	U	100	U	110	U	2.0	U	1.8	U	2.0	U	1.8	U	2.0	U
1,2,4-Trichlorobenzene	69.3	1.9	U	120	U	120	U	2.2	U	2.0	U	2.2	U	2.0	U	2.2	U
1,2,4-Trimethylbenzene	58	0.96	U	58	U	60	U	1.1	U	0.98	U	1.1	U	1.0	U	1.1	U
1,3,5-Trimethylbenzene	24.8	0.96	U	58	U	60	U	1.1	U	0.98	U	1.1	U	1.0	U	1.1	U
Toluene	252	0.96	U	58	U	60	U	1.1	U	0.98	U	1.1	U	1.0	U	1.1	U
m,p-Xylene	82	1.8	U	110	U	110	U	2.1	U	1.9	U	2.1	U	1.9	U	2.1	U
o-Xylene	99.5	0.96	U	58	U	60	U	1.1	U	0.98	U	1.1	U	1.0	U	1.1	U
Total Petroleum Hydrocarbons	**mg/kg**	**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**	
TPH-GRO (C6-C10)	940 [3]	3.0	U	378		445		3.0	U	2.7	U	3.2	U	3.0	U	3.3	U
TPH-DRO (C10-C22)	940 [3]	5.9	U	5.8	U	5.9	U	5.5	U	5.6	U	5.8	U	5.6	U	6.1	U
TPH-ORO (>C22-C36)	940 [3]	5.9	U	5.8	U	5.9	U	5.5	U	5.6	U	5.8	U	5.6	U	6.1	U
General Chemistry		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**	
Solids, Percent	NV	85.4		85.0		82.6		89.1		88.1		85.7		88.6		81.6	

Notes:

NMED = New Mexico Environment Department
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NV = No Value
TPH = Total Petroleum Hydrocarbons
Q = Laboratory Qualifier
B = Analyte found in associated method blank
U = Not Detected
J = Estimated result. Result is between the Method Detection Limit (MDL) and the Reporting Limit (RL).

[1] NMED, June 2006. Technical Background Document for Development of Soil Screening Levels, Revision 4.0.

[2] If results are not detected (U) then the value is set at the Method Detection Limit (MDL)

[3] NMED, October 2006. TPH Screening Guidelines (Kerosene and Jet Fuel, Residential Direct Exposure)

Bold value indicates analytes above NMED Soil Screening Levels (Rev 4.0, June 2006) or combined TPH results above NMED TPH Screening Guidelines for Kerosene and Jet Fuel (Table 2b, Oct 2006)

Table 6-1
Soil Boring Analytical Results Pipeline T-Junction PCS Source Area (Nov-Dec 2008)
SS-61 Addendum Letter Report
Holloman Air Force Base, New Mexico

Client Sample ID:	Soil Screening Levels	SS61-SB55-33		SS61-SB55-40		SS61-SB56-18		SS61-SB56-25		SS61-SB56-25-a		SS61-SB56-35		SS61-SB57-22		SS61-SB57-28	
Lab Sample ID:	NMED	F62062-2		F62062-3		F62062-4		F62062-5		F62062-6		F62062-7		F62066-1		F62066-2	
Date Sampled:	Residential[1]	12/7/2008		12/7/2008		12/7/2008		12/7/2008		12/7/2008		12/7/2008		12/8/2008		12/8/2008	
Analyte		**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**
Volatile Organic Compounds	**mg/kg**	**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**	
Acetone	28,100	3,400	U	24	U	24	U	1,600	U	1,500	U	25	U	23	U	3,400	U
Benzene	10.3	**19,400**		115		0.96	U	2,480		1,250		1.0	U	10.2		8,490	
n-Butylbenzene	62.1	226	J	1.4	U	1.3	U	99.3	J	87	U	1.4	U	1.3	U	190	U
sec-Butylbenzene	60.6	2,630		1.1	U	1.1	U	426		378		1.1	U	1.0	U	1,210	
tert-Butylbenzene	106	1,100		1.1	U	1.1	U	165	J	159	J	1.1	U	1.0	U	613	J
Chlorobenzene	194	130	U	0.98	U	0.96	U	65	U	62	U	1.0	U	0.91	U	130	U
Chloroform	4	230	U	1.7	U	1.6	U	110	U	110	U	1.7	U	1.6	U	230	U
Carbon disulfide	460	150	U	1.1	U	1.1	U	71	U	68	U	1.1	U	1.0	U	150	U
1,1-Dichloroethylene	206	170	U	1.3	U	1.2	U	84	U	80	U	1.3	U	1.2	U	180	U
1,2-Dichloroethane	6.04	150	U	1.1	U	1.1	U	71	U	68	U	1.1	U	1.0	U	150	U
m-Dichlorobenzene	32.6	130	U	0.98	U	0.96	U	65	U	62	U	1.0	U	0.91	U	130	U
o-Dichlorobenzene	37.4	130	U	1.2	J	0.96	U	65	U	62	U	1.1	J	0.91	U	130	U
p-Dichlorobenzene	39.5	130	U	0.98	U	0.96	U	65	U	62	U	1.0	U	0.91	U	130	U
Ethylbenzene	128	20,400		0.98	U	0.96	U	7,370		4,590		1.0	U	0.91	U	19,300	
2-Hexanone	NV	670	U	4.9	U	4.8	U	320	U	310	U	5.1	U	4.6	U	670	U
Hexane	38	5,510		2.3	U	2.3	U	706		454		2.4	U	2.2	U	320	U
Isopropylbenzene	271	11,5000		24.1		1.1	U	21,100		17,800		1.1	U	2.9	J	79,100	
p-Isopropyltoluene	NV	150	U	1.1	U	1.1	U	71	U	68	U	1.1	U	1.0	U	150	U
4-Methyl-2-pentanone	NV	860	U	6.2	U	6.1	U	410	U	400	U	6.5	U	5.8	U	860	U
Methylene chloride	182	3,470		5.1	J	5.1	J	1,430		1,730		7.2	J	5.9	J	2,540	
Naphthalene	79.5	270	U	2.0	U	1.9	U	130	U	120	U	2.0	U	1.8	U	270	U
n-Propylbenzene	62.1	3,710		1.2	U	1.2	U	2,060		1,780		1.2	U	1.1	U	3,160	
1,1,2,2-Tetrachloroethane	5.55	240	U	1.8	U	1.7	U	120	U	110	U	1.8	U	1.6	U	240	U
1,2,4-Trichlorobenzene	69.3	270	U	2.0	U	1.9	U	130	U	120	U	2.0	U	1.8	U	270	U
1,2,4-Trimethylbenzene	58	32,100		0.98	U	0.96	U	7,660		3,360		1.0	U	0.91	U	130	U
1,3,5-Trimethylbenzene	24.8	924		0.98	U	0.96	U	3,230		62	U	1.0	U	0.91	U	578	J
Toluene	252	130	U	0.98	U	0.96	U	1,650		463		1.0	U	0.91	U	130	U
m,p-Xylene	82	27,500		1.9	U	1.8	U	5,760		2,210		1.9	U	1.7	U	260	U
o-Xylene	99.5	12,800		0.98	U	0.96	U	3,330		1,200		1.0	U	0.91	U	130	U
Total Petroleum Hydrocarbons	**mg/kg**	**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**	
TPH-GRO (C6-C10)	940 [3]	**2,380**		2.7	U	2.9	U	857		627		2.9	U	2.8	U	**1,860**	
TPH-DRO (C10-C22)	940 [3]	6.78	J	5.7	U	5.8	U	6.0	U	6.0	U	5.7	U	5.6	U	8.01	J
TPH-ORO (>C22-C36)	940 [3]	6.3	U	5.7	U	5.8	U	6.0	U	6.0	U	5.7	U	5.6	U	6.1	U
General Chemistry		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**	
Solids, Percent	NV	79.8		86.8		85.3		81.7		82.5		86.4		87.6		80.6	

Notes:

NMED = New Mexico Environment Department
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NV = No Value
TPH = Total Petroleum Hydrocarbons
Q = Laboratory Qualifier
B = Analyte found in associated method blank
U = Not Detected

J = Estimated result. Result is between the Method Detection Limit (MDL) and the Reporting Limit (RL).

[1]NMED, June 2006. Technical Background Document for Development of Soil Screening Levels, Revision 4.0.

[2] If results are not detected (U) then the value is set at the Method Detection Limit (MDL)

[3] NMED, October 2006. TPH Screening Guidelines (Kerosene and Jet Fuel, Residential Direct Exposure)

Bold value indicates analytes above NMED Soil Screening Levels (Rev 4.0, June 2006) or combined TPH results above NMED TPH Screening Guidelines for Kerosene and Jet Fuel (Table 2b, Oct 2006)

Table 6-1
Soil Boring Analytical Results Pipeline T-Junction PCS Source Area (Nov-Dec 2008)
SS-61 Addendum Letter Report
Holloman Air Force Base, New Mexico

Client Sample ID:	Soil Screening Levels	SS61-SB57-35		SS61-SB58-20		SS61-SB58-25		SS61-SB58-35		SS61-SB59-25		SS61-SB59-29		SS61-SB59-35		SS61-SB60-25	
Lab Sample ID:	NMED	**F62066-3**		**F62066-4**		**F62066-5**		**F62066-6**		**F62105-1**		**F62105-2**		**F62105-3**		**F62105-4**	
Date Sampled:	Residential[1]	**12/8/2008**		**12/8/2008**		**12/8/2008**		**12/8/2008**		**12/8/2008**		**12/8/2008**		**12/8/2008**		**12/8/2008**	
Analyte		**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**
Volatile Organic Compounds	**mg/kg**	**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**	
Acetone	28,100	24	U	25	U	8,600	U	24	U	22	U	1,700	U	27	U	23	U
Benzene	10.3	0.97	U	1.0	U	2,130		10.2		0.88	U	1,230		6.3		0.91	U
n-Butylbenzene	62.1	1.4	U	1.4	U	480	U	1.3	U	1.2	U	97	U	1.5	U	1.3	U
sec-Butylbenzene	60.6	1.1	U	1.1	U	1,810		1.1	U	0.97	U	2,620		1.2	U	1.0	U
tert-Butylbenzene	106	1.1	U	1.1	U	772	J	1.1	U	0.97	U	1,260		1.2	U	1.0	U
Chlorobenzene	194	0.97	U	1.0	U	350	U	0.96	U	0.88	U	69	U	1.1	U	0.91	U
Chloroform	4	1.7	U	1.7	U	590	U	1.6	U	1.5	U	120	U	1.8	U	1.6	U
Carbon disulfide	460	1.1	U	1.1	U	380	U	1.2	J	0.97	U	76	U	1.2	U	1.0	U
1,1-Dichloroethylene	206	1.3	U	1.3	U	450	U	1.3	U	1.2	J	90	U	1.4	U	1.2	U
1,2-Dichloroethane	6.04	19.4		1.1	U	380	U	4.2	J	0.97	U	76	U	17.5		1.0	U
m-Dichlorobenzene	32.6	0.97	U	1.0	U	350	U	0.96	U	0.88	U	69	U	1.1	U	0.91	U
o-Dichlorobenzene	37.4	0.97	U	1.0	U	350	U	0.96	U	0.88	U	69	U	1.1	U	0.91	U
p-Dichlorobenzene	39.5	0.97	U	1.0	U	350	U	0.96	U	0.88	U	69	U	1.1	U	0.91	U
Ethylbenzene	128	0.97	U	1.0	U	350	U	0.96	U	0.88	U	8,330		1.1	U	0.91	U
2-Hexanone	NV	4.9	U	5.0	U	1,700	U	4.8	U	4.4	U	350	U	5.3	U	4.6	U
Hexane	38	2.3	U	2.4	U	3,830		2.3	U	2.1	U	170	U	2.6	U	2.2	U
Isopropylbenzene	271	6.3		1.6	J	68,100		3.9	J	1.3	J	71,800		16.0		1.0	U
p-Isopropyltoluene	NV	1.1	U	1.1	U	380	U	1.1	U	0.97	U	76	U	1.2	U	1.0	U
4-Methyl-2-pentanone	NV	6.2	U	6.4	U	2,200	U	6.2	U	5.7	U	440	U	6.8	U	5.8	U
Methylene chloride	182	6.9	J	10.5		6,350		5.5	J	11.5		350	U	5.3	U	4.6	U
Naphthalene	79.5	1.9	U	2.0	U	690	U	1.9	U	1.8	U	140	U	2.1	U	1.8	U
n-Propylbenzene	62.1	1.2	U	1.2	U	1,680	J	1.2	U	1.1	U	5,610		1.3	U	1.1	U
1,1,2,2-Tetrachloroethane	5.55	1.8	U	1.8	U	620	U	1.7	U	1.6	U	120	U	1.9	U	1.6	U
1,2,4-Trichlorobenzene	69.3	1.9	U	2.0	U	690	U	1.9	U	1.8	U	140	U	2.1	U	1.8	U
1,2,4-Trimethylbenzene	58	0.97	U	1.0	U	20,500		0.96	U	0.88	U	1,210		1.1	U	0.91	U
1,3,5-Trimethylbenzene	24.8	0.97	U	1.0	U	12,200		0.96	U	0.88	U	69	U	1.1	U	0.91	U
Toluene	252	0.97	U	1.0	U	350	U	0.96	U	0.88	U	69	U	1.1	U	0.91	U
m,p-Xylene	82	1.8	U	1.9	U	13,000		1.8	U	1.7	U	130	U	2.0	U	1.7	U
o-Xylene	99.5	0.97	U	1.0	U	376	J	0.96	U	0.88	U	69	U	1.1	U	0.91	U
Total Petroleum Hydrocarbons	**mg/kg**	**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**	
TPH-GRO (C6-C10)	940 [3]	2.9	U	2.8	U	**1,680**		2.9	U	2.5	U	**2,420**		4.38	J	2.6	U
TPH-DRO (C10-C22)	940 [3]	5.7	U	5.4	U	6.2	U	5.8	U	5.6	U	6.2	U	5.8	U	5.5	U
TPH-ORO (>C22-C36)	940 [3]	5.7	U	5.4	U	6.2	U	5.8	U	5.6	U	6.2	U	5.8	U	5.5	U
General Chemistry		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**	
Solids, Percent	NV	85.9		90.0		80.0		85.9		90.0		80.6		85.9		89.3	

Notes:

NMED = New Mexico Environment Department
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NV = No Value
TPH = Total Petroleum Hydrocarbons
Q = Laboratory Qualifier
B = Analyte found in associated method blank
U = Not Detected
J = Estimated result. Result is between the Method Detection Limit (MDL) and the Reporting Limit (RL).

[1] NMED, June 2006. Technical Background Document for Development of Soil Screening Levels, Revision 4.0.

[2] If results are not detected (U) then the value is set at the Method Detection Limit (MDL)

[3] NMED, October 2006. TPH Screening Guidelines (Kerosene and Jet Fuel, Residential Direct Exposure)

Bold value indicates analytes above NMED Soil Screening Levels (Rev 4.0, June 2006) or combined TPH results above NMED TPH Screening Guidelines for Kerosene and Jet Fuel (Table 2b, Oct 2006)

Table 6-1
Soil Boring Analytical Results Pipeline T-Junction PCS Source Area (Nov-Dec 2008)
SS-61 Addendum Letter Report
Holloman Air Force Base, New Mexico

Client Sample ID:	Soil Screening Levels	SS61-SB60-30		SS61-SB60-30-a		SS61-SB60-40		SS61-SB61-25		SS61-SB61-29		SS61-SB61-35		SS61-SB62-18		SS61-SB62-28	
Lab Sample ID:	NMED	F62105-5		F62105-7		F62105-6		F62103-1		F62103-2		F62103-3		F62103-4		F62103-5	
Date Sampled:	Residential[1]	12/8/2008		12/8/2008		12/8/2008		12/8/2008		12/8/2008		12/8/2008		12/9/2008		12/9/2008	
Analyte		**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**
Volatile Organic Compounds	**mg/kg**	**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**	
Acetone	28,100	1,600	U	31	U	26	U	27	U	1,900	U	31	U	28	U	32	U
Benzene	10.3	967		138	J	15.4		1.1	U	1,380		32.5		1.1	U	6.2	J
n-Butylbenzene	62.1	91	U	5.1	J	1.5	U	1.5	U	100	U	1.7	U	1.5	U	1.8	U
sec-Butylbenzene	60.6	664		1,080		1.2	U	1.2	U	521		1.4	U	11.3		1.4	U
tert-Butylbenzene	106	311	J	471		1.2	U	1.2	U	1,070		1.4	U	7.4		1.4	U
Chlorobenzene	194	65	U	1.3	U	1.0	U	1.1	U	75	U	1.2	U	1.1	U	1.3	U
Chloroform	4	110	U	2.1	U	1.8	U	1.8	U	130	U	2.1	U	1.9	U	2.2	U
Carbon disulfide	460	72	U	4.5	J	1.2	U	1.2	U	82	U	1.4	U	1.2	U	1.4	U
1,1-Dichloroethylene	206	85	U	1.6	U	1.4	U	1.4	U	97	U	1.6	U	2.4	J	1.7	U
1,2-Dichloroethane	6.04	72	U	1.4	U	5.5		8.0		82	U	11.7		1.2	U	1.4	U
m-Dichlorobenzene	32.6	65	U	1.3	U	1.0	U	1.1	U	75	U	1.2	U	1.1	U	1.3	U
o-Dichlorobenzene	37.4	65	U	1.3	U	1.0	U	1.1	U	75	U	1.2	U	1.1	U	1.3	U
p-Dichlorobenzene	39.5	65	U	1.3	U	1.0	U	1.1	U	75	U	1.2	U	1.1	U	1.3	U
Ethylbenzene	128	65	U	1,100		1.0	U	1.1	U	75	U	1.2	U	1.1	U	1.3	U
2-Hexanone	NV	330	U	6.3	U	5.2	U	5.4	U	370	U	6.2	U	5.5	U	6.4	U
Hexane	38	160	U	3.0	U	2.5	U	2.6	U	180	U	3.0	U	2.6	U	3.1	U
Isopropylbenzene	271	21,400		28,700		2.2	J	1.2	U	310	J	102		15.7		8.6	
p-Isopropyltoluene	NV	72	U	1.4	U	1.2	U	1.2	U	82	U	1.4	U	1.2	U	1.4	U
4-Methyl-2-pentanone	NV	420	U	8.0	U	6.7	U	6.9	U	480	U	7.9	U	7.1	U	8.1	U
Methylene chloride	182	572	JB	6.3	U	6.6	J	5.4	U	370	U	6.2	U	8.8	JB	6.4	U
Naphthalene	79.5	130	U	2.5	U	2.1	U	2.2	U	150	U	2.5	U	2.2	U	2.5	U
n-Propylbenzene	62.1	551		1,010		1.3	U	1.3	U	90	U	1.5	U	1.3	U	1.5	U
1,1,2,2-Tetrachloroethane	5.55	120	U	2.3	U	1.9	U	2.0	U	130	U	2.2	U	2.0	U	2.3	U
1,2,4-Trichlorobenzene	69.3	130	U	2.5	U	2.1	U	2.2	U	150	U	2.5	U	2.2	U	2.5	U
1,2,4-Trimethylbenzene	58	65	U	1.3	U	1.0	U	1.1	U	75	U	1.2	U	1.1	U	1.3	U
1,3,5-Trimethylbenzene	24.8	65	U	1.3	U	1.0	U	1.1	U	75	U	1.2	U	1.1	U	1.3	U
Toluene	252	65	U	1.3	U	1.0	U	1.1	U	75	U	1.2	U	1.1	U	1.3	U
m,p-Xylene	82	120	U	2.4	U	2.0	U	2.1	U	140	U	2.3	U	2.1	U	2.4	U
o-Xylene	99.5	65	U	1.3	U	1.0	U	1.1	U	75	U	1.2	U	1.1	U	1.3	U
Total Petroleum Hydrocarbons	**mg/kg**	**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**	
TPH-GRO (C6-C10)	940 [3]	**946**		**1,390**		3.3	U	3.8	U	**1,690**		4.0	U	26.6		4.3	U
TPH-DRO (C10-C22)	940 [3]	6.1	U	6.5	U	6.1	U	6.1	U	7.34	J	6.6	U	6.4	U	6.6	U
TPH-ORO (>C22-C36)	940 [3]	6.1	U	6.5	U	6.1	U	6.1	U	7.24	J	6.6	U	6.4	U	6.6	U
General Chemistry		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**	
Solids, Percent	NV	80.9		77.0		80.1		81.3		75.4		75.1		76.7		73.8	

Notes:

NMED = New Mexico Environment Department
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NV = No Value
TPH = Total Petroleum Hydrocarbons
Q = Laboratory Qualifier
B = Analyte found in associated method blank
U = Not Detected
J = Estimated result. Result is between the Method Detection Limit (MDL) and the Reporting Limit (RL).

[1] NMED, June 2006. Technical Background Document for Development of Soil Screening Levels, Revision 4.0.

[2] If results are not detected (U) then the value is set at the Method Detection Limit (MDL)

[3] NMED, October 2006. TPH Screening Guidelines (Kerosene and Jet Fuel, Residential Direct Exposure)

Bold value indicates analytes above NMED Soil Screening Levels (Rev 4.0, June 2006) or combined TPH results above NMED TPH Screening Guidelines for Kerosene and Jet Fuel (Table 2b, Oct 2006)

Table 6-1
Soil Boring Analytical Results Pipeline T-Junction PCS Source Area (Nov-Dec 2008)
SS-61 Addendum Letter Report
Holloman Air Force Base, New Mexico

Client Sample ID:	Soil Screening Levels	SS61-SB62-28-a		SS61-SB62-35		SS61-SB63-16		SS61-SB63-28		SS61-SB63-35	
Lab Sample ID:	NMED Residential[1]	F62103-6		F62103-7		F62142-1		F62142-2		F62142-3	
Date Sampled:		12/9/2008		12/9/2008		12/9/2008		12/9/2008		12/9/2008	
Analyte		Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q
Volatile Organic Compounds	mg/kg	µg/kg		µg/kg		µg/kg		µg/kg		µg/kg	
Acetone	28,100	33	U	29	U	27	U	28	U	29	U
Benzene	10.3	18.2		1.2	U	1.1	U	5.4	J	1.2	U
n-Butylbenzene	62.1	1.9	U	1.6	U	1.5	U	1.6	U	1.6	U
sec-Butylbenzene	60.6	1.5	U	1.3	U	1.2	U	33.3		1.3	U
tert-Butylbenzene	106	1.5	U	1.3	U	1.2	U	39.5		1.3	U
Chlorobenzene	194	1.3	U	1.2	U	1.1	U	1.1	U	1.2	U
Chloroform	4	2.2	U	2.0	U	1.8	U	1.9	U	2.0	U
Carbon disulfide	460	2.0	J	1.3	U	1.2	U	1.2	U	2.1	J
1,1-Dichloroethylene	206	1.7	U	2.5	J	1.4	U	1.5	U	1.5	U
1,2-Dichloroethane	6.04	1.5	U	1.8	J	1.2	U	1.2	U	1.3	U
m-Dichlorobenzene	32.6	1.3	U	1.2	U	1.1	U	1.1	U	1.2	U
o-Dichlorobenzene	37.4	1.3	U	1.2	U	1.1	U	1.1	U	1.2	U
p-Dichlorobenzene	39.5	1.3	U	1.2	U	1.1	U	1.1	U	1.2	U
Ethylbenzene	128	1.3	U	1.2	U	1.1	U	79.6		1.2	U
2-Hexanone	NV	6.6	U	5.8	U	5.4	U	5.6	U	5.8	U
Hexane	38	3.2	U	2.8	U	2.6	U	2.7	U	2.8	U
Isopropylbenzene	271	8.3		1.3	U	1.2	U	4,370		1.3	U
p-Isopropyltoluene	NV	1.5	U	1.3	U	1.2	U	1.2	U	1.3	U
4-Methyl-2-pentanone	NV	8.5	U	7.4	U	6.9	U	7.1	U	7.4	U
Methylene chloride	182	6.6	U	5.8	U	5.4	U	11.9	B	6.7	JB
Naphthalene	79.5	2.6	U	2.3	U	2.1	U	2.2	U	2.3	U
n-Propylbenzene	62.1	1.6	U	1.4	U	1.3	U	45.6		1.4	U
1,1,2,2-Tetrachloroethane	5.55	2.4	U	2.1	U	1.9	U	2.0	U	2.1	U
1,2,4-Trichlorobenzene	69.3	2.6	U	2.3	U	2.1	U	2.2	U	2.3	U
1,2,4-Trimethylbenzene	58	1.3	U	1.2	U	1.1	U	15.6		1.2	U
1,3,5-Trimethylbenzene	24.8	1.3	U	1.2	U	1.1	U	13.4		1.2	U
Toluene	252	1.3	U	1.2	U	1.1	U	1.1	U	1.2	U
m,p-Xylene	82	2.5	U	2.2	U	2.0	U	7.0	J	2.2	U
o-Xylene	99.5	1.3	U	1.2	U	1.1	U	2.0	J	1.2	U
Total Petroleum Hydrocarbons	mg/kg	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
TPH-GRO (C6-C10)	940 [3]	3.8	U	3.6	U	3.2	U	433		3.3	U
TPH-DRO (C10-C22)	940 [3]	6.8	U	6.2	U	6.1	U	6.2	U	6.0	U
TPH-ORO (>C22-C36)	940 [3]	6.8	U	6.2	U	6.1	U	6.2	U	6.0	U
General Chemistry		%		%		%		%		%	
Solids, Percent	NV	73.5		80.0		83.1		80.6		82.7	

Notes:

NMED = New Mexico Environment Department
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NV = No Value
TPH = Total Petroleum Hydrocarbons
Q = Laboratory Qualifier
B = Analyte found in associated method blank
U = Not Detected
J = Estimated result. Result is between the Method Detection Limit (MDL) and the Reporting Limit (RL).

[1] NMED, June 2006. Technical Background Document for Development of Soil Screening Levels, Revision 4.0.

[2] If results are not detected (U) then the value is set at the Method Detection Limit (MDL)

[3] NMED, October 2006. TPH Screening Guidelines (Kerosene and Jet Fuel, Residential Direct Exposure)

Bold value indicates analytes above NMED Soil Screening Levels (Rev 4.0, June 2006) or combined TPH results above NMED TPH Screening Guidelines for Kerosene and Jet Fuel (Table 2b, Oct 2006)

Table 6-2
Soil Analytical Results Pipeline Valve Vault PCS Source Area (Nov-Dec 2008)
Spill Site SS-61 VCM Addendum
Holloman Air Force Base, New Mexico

Client Sample ID:	Soil Screening Levels	SS61-SB32-9		SS61-SB32-17		SS61-SB32-35		SS61-SB33-15		SS61-SB33-27		SS61-SB33-27-a		SS61-SB33-35		SS61-SB34-20	
Lab Sample ID:	**NMED**	**F61879-1**		**F61879-2**		**F61879-3**		**F61902-1**		**F61902-2**		**F61902-3**		**F61902-4**		**F61903-1**	
Date Sampled:	**Residential[1]**	**12/1/2008**		**12/1/2008**		**12/1/2008**		**12/1/2008**		**12/1/2008**		**12/1/2008**		**12/1/2008**		**12/1/2008**	
Analyte		**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**
Volatile Organic Compounds	**mg/kg**	**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**	
Acetone	28,100	30	U	1,600	U	32.9		29	U	1,500	U	1,600	U	26	U	26	U
Benzene	10.3	1.2	U	63	U	1.2	U	1.1	U	60	U	65	U	1.1	U	1.1	U
sec-Butylbenzene	60.6	1.3	U	1,100		1.3	U	1.3	U	485		781		1.2	U	1.2	U
tert-Butylbenzene	106	1.3	U	456		1.3	U	1.3	U	351		790		1.2	U	1.2	U
Carbon disulfide	460	1.3	U	69	U	1.4	J	1.3	U	66	U	72	U	1.2	U	1.2	U
1,1-Dichloroethylene	206	1.5	U	82	U	1.6	U	1.5	U	78	U	85	U	1.4	U	1.4	U
o-Dichlorobenzene	37.4	1.2	U	63	U	1.2	U	1.1	U	60	U	65	U	1.1	U	1.1	U
Ethylbenzene	128	1.2	U	9,820		1.2	U	1.1	U	60	U	65	U	1.1	U	1.1	U
Hexachlorobutadiene	12.2	1.4	U	75	U	1.5	U	1.4	U	72	U	79	U	1.3	U	1.3	J
Isopropylbenzene	271	1.3	U	80,000		1.3	U	1.3	U	2,750		4,800		1.2	U	1.2	U
p-Isopropyltoluene	NV	1.3	U	85.5	J	1.3	U	1.3	U	66	U	72	U	1.2	U	1.2	U
Methylene chloride	182	5.9	U	4,030		6.1	U	8.5	J	2,250		1,690		5.9	J	7.0	J
Naphthalene	79.5	2.4	U	130	U	2.4	U	2.3	U	888	J	130	U	2.1	U	8.0	J
n-Propylbenzene	62.1	1.4	U	3,750		1.5	U	1.4	U	171	J	298	J	1.3	U	1.3	U
1,2,4-Trichlorobenzene	69.3	2.4	U	130	U	2.4	U	2.3	U	367		130	U	2.1	U	4.7	J
1,2,4-Trimethylbenzene	58	1.2	U	614		1.2	U	1.1	U	60	U	65	U	1.1	U	1.1	U
m,p-Xylene	82	2.2	U	467	J	2.3	U	2.2	U	110	U	120	U	2.0	U	2.0	U
o-Xylene	99.5	1.2	U	371		1.2	U	1.1	U	60	U	65	U	1.1	U	1.1	U
Total Petroleum Hydrocarbons		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**	
TPH-GRO (C6-C10)	940 [3]	4.3	U	**1,710**		4.19	J	4.43	J	478		**1,510**		3.1	U	3.2	U
TPH-DRO (C10-C22)	940 [3]	6.3	U	6.18	J	6.5	U	6.2	U	5.8	U	6.1	U	5.9	U	6.0	U
TPH-ORO (>C22-C36)	940 [3]	6.3	U	6.1	U	6.5	U	6.2	U	5.8	U	6.1	U	5.9	U	6.0	U
General Chemistry		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**	
Solids, Percent	NV	78.1		82.4		75.3		80.2		85.9		81.6		85.4		83.0	

Notes:

NMED = New Mexico Environment Department
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NV = No Value
TPH = Total Petroleum Hydrocarbons
Q = Laboratory Qualifier
B = Analyte found in associated method blank
U = Not Detected
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
ORO = Oil Range Organics

J = Estimated result. Result is between the Method Detection Limit (MDL) and the Reporting Limit (RL).

[1] NMED, June 2006. Technical Background Document for Development of Soil Screening Levels, Revision 4.0.

[2] If results are not detected (U) then the value is set at the MDL

[3] NMED, October 2006. TPH Screening Guidelines (Kerosene and Jet Fuel, Residential Direct Exposure)

Bold value indicates analytes above NMED Soil Screening Levels (Rev 4.0, June 2006) or combined TPH results above NMED TPH Screening Guidelines for Kerosene and Jet Fuel (Table 2b, Oct 2006)

Table 6-2
Soil Analytical Results Pipeline Valve Vault PCS Source Area (Nov-Dec 2008)
Spill Site SS-61 VCM Addendum
Holloman Air Force Base, New Mexico

Client Sample ID:	Soil Screening Levels	SS61-SB34-26		SS61-SB34-26		SS61-SB34-30		SS61-SB40-16		SS61-SB40-20		SS61-SB40-20-a		SS61-SB40-35		SS61-SB41-11	
Lab Sample ID:	NMED	F61903-2A		F61903-2		F61903-3		F61934-1		F61934-2		F61934-3		F61934-4		F61976-1	
Date Sampled:	Residential[1]	12/1/2008		12/1/2008		12/1/2008		12/3/2008		12/3/2008		12/3/2008		12/3/2008		12/3/2008	
Analyte		**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**
Volatile Organic Compounds	**mg/kg**	**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**	
Acetone	28,100	NA		32	U	28	U	27	U	44.3	J	27	U	57.1	J	31	U
Benzene	10.3	NA		1.3	U	1.1	U	1.1	U	1.1	U	1.1	U	4.3	J	1.3	U
sec-Butylbenzene	60.6	NA		14.2		1.2	U	1.2	U	3.5	J	71.5		1.3	U	1.4	U
tert-Butylbenzene	106	NA		199		1.2	U	1.2	U	1.4	J	15.5		1.3	U	1.4	U
Carbon disulfide	460	NA		1.4	U	1.2	U	1.2	U	1.2	U	1.2	U	1.8	J	1.4	U
1,1-Dichloroethylene	206	NA		1.6	U	1.5	U	1.4	U	1.4	U	1.4	U	1.6	U	1.6	U
o-Dichlorobenzene	37.4	NA		3.1	J	1.1	U	1.1	U	1.1	U	1.1	U	1.2	U	1.3	U
Ethylbenzene	128	NA		1.3	U	1.1	U	1.1	U	1.1	U	1.1	U	1.2	U	1.3	U
Hexachlorobutadiene	12.2	NA		1.5	U	1.4	U	1.3	U	1.3	U	1.3	U	1.4	U	1.5	U
Isopropylbenzene	271	NA		1.4	U	1.2	U	1.2	U	3.8	J	29.5		1.3	U	1.4	U
p-Isopropyltoluene	NV	NA		1.4	U	1.2	U	1.2	U	1.2	U	1.2	U	1.3	U	1.4	U
Methylene chloride	182	NA		14.8		13.3		5.4	U	5.6	J	6.5	J	6.0	U	10.1	J
Naphthalene	79.5	NA		2.5	U	2.3	U	2.2	U	2.2	U	2.2	U	2.4	U	2.5	U
n-Propylbenzene	62.1	NA		1.5	U	1.4	U	1.3	U	1.3	U	1.3	U	1.4	U	1.5	U
1,2,4-Trichlorobenzene	69.3	NA		2.5	U	2.3	U	2.2	U	2.2	U	2.2	U	2.4	U	2.5	U
1,2,4-Trimethylbenzene	58	NA		1.3	U	1.1	U	1.1	U	1.1	U	1.1	U	1.2	U	1.3	U
m,p-Xylene	82	NA		2.4	U	2.1	U	2.1	U	2.1	U	2.1	U	2.3	U	2.4	U
o-Xylene	99.5	NA		1.3	U	1.1	U	1.1	U	1.1	U	1.1	U	1.2	U	1.3	U
Total Petroleum Hydrocarbons		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**	
TPH-GRO (C6-C10)	940 [3]	NA		639		3.2	U	5.31	J	7.78		197		3.7	U	3.4	U
TPH-DRO (C10-C22)	940 [3]	6.2	U	NA		5.9	U	6.1	U	6.4	U	5.8	U	6.4	U	5.9	U
TPH-ORO (>C22-C36)	940 [3]	6.2	U	NA		5.9	U	6.1	U	6.4	U	5.8	U	6.4	U	5.9	U
General Chemistry		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**	
Solids, Percent	NV	NA		79.7		84.3		79.9		77.6		85.5		76.4		84.5	

Notes:

NMED = New Mexico Environment Department
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NV = No Value
TPH = Total Petroleum Hydrocarbons
Q = Laboratory Qualifier
B = Analyte found in associated method blank
U = Not Detected
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
ORO = Oil Range Organics

J = Estimated result. Result is between the Method Detection Limit (MDL) and the Reporting Limit (RL).

[1]NMED, June 2006. Technical Background Document for Development of Soil Screening Levels, Revision 4.0.

[2] If results are not detected (U) then the value is set at the Method Detection Limit (MDL)

[3] NMED, October 2006. TPH Screening Guidelines (Kerosene and Jet Fuel, Residential Direct Exposure)

Bold value indicates analytes above NMED Soil Screening Levels (Rev 4.0, June 2006) or combined TPH results above NMED TPH Screening Guidelines for Kerosene and Jet Fuel (Table 2b, Oct 2006)

Table 6-2
Soil Analytical Results Pipeline Valve Vault PCS Source Area (Nov-Dec 2008)
Spill Site SS-61 VCM Addendum
Holloman Air Force Base, New Mexico

Client Sample ID:	Soil Screening Levels	SS61-SB41-14		SS61-SB41-35		SS61-SB42-12		SS61-SB42-19		SS61-SB42-35		SS61-SB43-12		SS61-SB43-15		SS61-SB43-15-a	
Lab Sample ID:	**NMED**	**F61976-2**		**F61976-3**		**F61976-4**		**F61976-5**		**F61976-6**		**F61975-1**		**F61975-2**		**F61975-3**	
Date Sampled:	**Residential[1]**	**12/3/2008**		**12/3/2008**		**12/3/2008**		**12/3/2008**		**12/3/2008**		**12/4/2008**		**12/4/2008**		**12/4/2008**	
Analyte		**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**
Volatile Organic Compounds	**mg/kg**	**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**	
Acetone	28,100	44.5	J	26	U	29	U	55.3	J	27	U	28	U	1,500	U	291	J
Benzene	10.3	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	60	U	0.97	U
sec-Butylbenzene	60.6	9.3		1.2	U	1.3	U	51.2		1.2	U	1.2	U	895		51.8	
tert-Butylbenzene	106	1.3	U	1.2	U	1.3	U	39.0		1.2	U	1.2	U	734		274	J
Carbon disulfide	460	3.0	J	1.2	U	3.6	J	2.2	J	1.2	U	1.2	U	66	U	1.1	U
1,1-Dichloroethylene	206	2.3	J	1.4	U	1.5	U	1.4	U	1.4	U	1.4	U	78	U	1.3	U
o-Dichlorobenzene	37.4	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	60	U	0.97	U
Ethylbenzene	128	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	60	U	0.97	U
Hexachlorobutadiene	12.2	1.4	U	1.3	U	1.4	U	1.3	U	1.3	U	1.3	U	72	U	1.2	U
Isopropylbenzene	271	12.7		1.2	U	1.3	U	49.4		1.2	U	1.2	U	809		1.1	U
p-Isopropyltoluene	NV	1.3	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	66	U	1.1	U
Methylene chloride	182	8.4	J	10.9	J	10.2	J	14.0		6.8	J	18.5	B	386	JB	10.5	
Naphthalene	79.5	2.3	U	2.1	U	2.3	U	2.1	U	2.1	U	2.2	U	120	U	1.9	U
n-Propylbenzene	62.1	1.4	U	1.3	U	1.4	U	1.3	U	1.3	U	1.3	U	72	U	1.2	U
1,2,4-Trichlorobenzene	69.3	2.3	U	2.1	U	2.3	U	2.1	U	2.1	U	2.2	U	120	U	1.9	U
1,2,4-Trimethylbenzene	58	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	60	U	0.97	U
m,p-Xylene	82	2.2	U	2.0	U	2.2	U	2.0	U	2.0	U	2.1	U	110	U	1.8	U
o-Xylene	99.5	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	60	U	0.97	U
Total Petroleum Hydrocarbons		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**	
TPH-GRO (C6-C10)	940 [3]	146		3.1	U	3.6	U	481		3.3	U	3.4	U	**943**		242	
TPH-DRO (C10-C22)	940 [3]	6.0	U	5.5	U	6.2	U	5.8	U	6.0	U	5.9	U	6.0	U	5.6	U
TPH-ORO (>C22-C36)	940 [3]	6.0	U	5.5	U	6.2	U	5.8	U	6.0	U	5.9	U	6.0	U	5.6	U
General Chemistry		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**	
Solids, Percent	NV	81.1		88.8		80.4		84.6		83.1		83.7		83.3		86.3	

Notes:

NMED = New Mexico Environment Department
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NV = No Value
TPH = Total Petroleum Hydrocarbons
Q = Laboratory Qualifier
B = Analyte found in associated method blank
U = Not Detected
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
ORO = Oil Range Organics

J = Estimated result. Result is between the Method Detection Limit (MDL) and the Reporting Limit (RL).

[1] NMED, June 2006. Technical Background Document for Development of Soil Screening Levels, Revision 4.0.

[2] If results are not detected (U) then the value is set at the Method Detection Limit (MDL)

[3] NMED, October 2006. TPH Screening Guidelines (Kerosene and Jet Fuel, Residential Direct Exposure)

Bold value indicates analytes above NMED Soil Screening Levels (Rev 4.0, June 2006) or combined TPH results above NMED TPH Screening Guidelines for Kerosene and Jet Fuel (Table 2b, Oct 2006)

Table 6-2
Soil Analytical Results Pipeline Valve Vault PCS Source Area (Nov-Dec 2008)
Spill Site SS-61 VCM Addendum
Holloman Air Force Base, New Mexico

Client Sample ID:	Soil Screening Levels	SS61-SB43-30		SS61-SB44-25		SS61-SB44-26		SS61-SB44-30		SS61-SB45-15		SS61-SB45-20		SS61-SB45-32		SS61-SB64-20	
Lab Sample ID:	NMED	F61975-4		F61975-5		F61975-6		F61975-7		F62028-1		F62028-2		F62028-3		F62142-4	
Date Sampled:	Residential[1]	12/4/2008		12/4/2008		12/4/2008		12/4/2008		12/4/2008		12/4/2008		12/4/2008		12/9/2008	
Analyte		**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**
Volatile Organic Compounds	**mg/kg**	**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**	
Acetone	28,100	25	U	28	U	72.1	J	27	U	24	U	26	U	30	U	26	U
Benzene	10.3	0.99	U	1.1	U	1.0	U	1.1	U	0.97	U	1.0	U	1.2	U	1.0	U
sec-Butylbenzene	60.6	1.1	U	1.2	U	1.2	U	1.2	U	1.1	U	5.2		1.3	U	1.1	U
tert-Butylbenzene	106	1.1	U	1.2	U	1.9	J	1.2	U	1.1	U	2.9	J	1.3	U	1.9	J
Carbon disulfide	460	1.1	U	1.2	U	1.2	U	1.2	U	1.1	U	1.1	U	1.3	U	1.1	U
1,1-Dichloroethylene	206	1.3	U	1.5	U	1.4	U	1.4	U	1.3	U	1.4	U	1.6	U	1.4	U
o-Dichlorobenzene	37.4	0.99	U	1.1	U	1.0	U	1.1	U	0.97	U	1.0	U	1.2	U	1.0	U
Ethylbenzene	128	0.99	U	1.1	U	1.0	U	1.1	U	0.97	U	1.0	U	1.2	U	1.0	U
Hexachlorobutadiene	12.2	1.2	U	1.3	U	1.3	U	1.3	U	1.2	U	1.3	U	1.5	U	1.3	U
Isopropylbenzene	271	1.1	U	1.2	U	1.2	U	1.2	U	1.1	U	123		1.3	U	1.1	U
p-Isopropyltoluene	NV	1.1	U	1.2	U	1.2	U	1.2	U	1.1	U	1.1	U	1.3	U	1.1	U
Methylene chloride	182	5.3	J	8.8	J	6.6	J	6.0	J	4.9	U	6.7	J	6.1	U	5.2	U
Naphthalene	79.5	2.0	U	2.2	U	2.1	U	2.2	U	1.9	U	2.1	U	2.4	U	2.1	U
n-Propylbenzene	62.1	1.2	U	1.3	U	1.3	U	1.3	U	1.2	U	1.3	U	1.5	U	1.3	U
1,2,4-Trichlorobenzene	69.3	2.0	U	2.2	U	2.1	U	2.2	U	1.9	U	2.1	U	2.4	U	2.1	U
1,2,4-Trimethylbenzene	58	0.99	U	1.1	U	1.0	U	1.1	U	0.97	U	1.0	U	1.2	U	1.0	U
m,p-Xylene	82	1.9	U	2.1	U	2.0	U	2.1	U	1.9	U	2.0	U	2.3	U	2.0	U
o-Xylene	99.5	0.99	U	1.1	U	1.0	U	1.1	U	0.97	U	1.0	U	1.2	U	1.0	U
Total Petroleum Hydrocarbons		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**	
TPH-GRO (C6-C10)	940 [3]	2.9	U	3.3	U	19.5		3.6	U	3.0	U	158		3.8	U	3.1	U
TPH-DRO (C10-C22)	940 [3]	5.8	U	6.1	U	5.7	U	6.0	U	5.7	U	6.0	U	6.5	U	5.9	U
TPH-ORO (>C22-C36)	940 [3]	5.8	U	6.1	U	5.7	U	6.0	U	5.7	U	6.0	U	6.5	U	5.9	U
General Chemistry		**%**		**%**		**%**		**%**		**%**		**%**		**%**		**%**	
Solids, Percent	NV	85.3		80.2		86.3		81.3		85.4		83.6		77.2		83.9	

Notes:

NMED = New Mexico Environment Department
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NV = No Value
TPH = Total Petroleum Hydrocarbons
Q = Laboratory Qualifier
B = Analyte found in associated method blank
U = Not Detected
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
ORO = Oil Range Organics

J = Estimated result. Result is between the Method Detection Limit (MDL) and the Reporting Limit (RL).

[1]NMED, June 2006. Technical Background Document for Development of Soil Screening Levels, Revision 4.0.

[2] If results are not detected (U) then the value is set at the Method Detection Limit (MDL)

[3] NMED, October 2006. TPH Screening Guidelines (Kerosene and Jet Fuel, Residential Direct Exposure) - compare to sum of GRO/DRO/ORO data

Bold value indicates analytes above NMED Soil Screening Levels (Rev 4.0, June 2006) or combined TPH results above NMED TPH Screening Guidelines for Kerosene and Jet Fuel (Table 2b, Oct 2006)

Table 6-2
Soil Analytical Results Pipeline Valve Vault PCS Source Area (Nov-Dec 2008)
Spill Site SS-61 VCM Addendum
Holloman Air Force Base, New Mexico

Client Sample ID:	Soil Screening Levels	SS61-SB64-25		SS61-SB64-35		SS61-SB65-14		SS61-SB65-19		SS61-SB65-19-a		SS61-SB65-28	
Lab Sample ID:	NMED	F62142-5		F62142-6		F62143-1		F62143-2		F62143-3		F62143-4	
Date Sampled:	Residential[1]	12/9/2008		12/9/2008		12/9/2008		12/9/2008		12/9/2008		12/9/2008	
Analyte		**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**	**Result[2]**	**Q**
Volatile Organic Compounds	**mg/kg**	**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**		**µg/kg**	
Acetone	28,100	1,800	U	174		26	U	25	U	24	U	27	U
Benzene	10.3	538		1.4	U	1.0	U	0.99	U	0.98	U	1.1	U
sec-Butylbenzene	60.6	106	J	1.6	U	1.2	U	1.1	U	1.1	U	1.2	U
tert-Butylbenzene	106	81	U	1.6	U	1.2	U	1.1	U	1.1	U	1.2	U
Carbon disulfide	460	81	U	1.6	U	1.2	U	1.1	U	1.1	U	1.2	U
1,1-Dichloroethylene	206	96	U	5.2	J	1.4	U	1.3	U	1.3	U	1.4	U
o-Dichlorobenzene	37.4	74	U	1.4	U	1.0	U	0.99	U	0.98	U	1.1	U
Ethylbenzene	128	373		1.4	U	1.0	U	0.99	U	0.98	U	1.1	U
Hexachlorobutadiene	12.2	88	U	1.7	U	1.3	U	1.2	U	1.2	U	1.3	U
Isopropylbenzene	271	8,520		1.6	U	1.2	U	1.1	U	1.1	U	1.2	U
p-Isopropyltoluene	NV	81	U	1.6	U	1.2	U	1.1	U	1.1	U	1.2	U
Methylene chloride	182	370	U	25.9	B	5.2	U	5.0	U	4.9	U	5.3	U
Naphthalene	79.5	150	U	2.8	U	2.1	U	2.0	U	2.0	U	2.1	U
n-Propylbenzene	62.1	149	J	1.7	U	1.3	U	1.2	U	1.2	U	1.3	U
1,2,4-Trichlorobenzene	69.3	150	U	2.8	U	2.1	U	2.0	U	2.0	U	2.1	U
1,2,4-Trimethylbenzene	58	134	J	1.4	U	1.0	U	0.99	U	0.98	U	1.1	U
m,p-Xylene	82	140	U	2.7	U	2.0	U	1.9	U	1.9	U	2.0	U
o-Xylene	99.5	74	U	1.4	U	1.0	U	0.99	U	0.98	U	1.1	U
Total Petroleum Hydrocarbons		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**	
TPH-GRO (C6-C10)	940 [3]	88.9		3.5	U	3.2	U	2.8	U	3.2	U	3.1	U
TPH-DRO (C10-C22)	940 [3]	6.2	U	6.1	U	5.7	U	5.8	U	6.0	U	5.9	U
TPH-ORO (>C22-C36)	940 [3]	6.2	U	6.1	U	5.7	U	5.8	U	6.0	U	5.9	U
General Chemistry		**%**		**%**		**%**		**%**		**%**		**%**	
Solids, Percent	NV	81.8		81.5		87.8		86.3		84.0		83.4	

Notes:

NMED = New Mexico Environment Department
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
NV = No Value
TPH = Total Petroleum Hydrocarbons
Q = Laboratory Qualifier
B = Analyte found in associated method blank
U = Not Detected
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
ORO = Oil Range Organics

J = Estimated result. Result is between the Method Detection Limit (MDL) and the Reporting Limit (RL).

[1] NMED, June 2006. Technical Background Document for Development of Soil Screening Levels, Revision 4.0.

[2] If results are not detected (U) then the value is set at the Method Detection Limit (MDL)

[3] NMED, October 2006. TPH Screening Guidelines (Kerosene and Jet Fuel, Residential Direct Exposure) - compare to sum of GRO/DRO/ORO data

Bold value indicates analytes above NMED Soil Screening Levels (Rev 4.0, June 2006) or combined TPH results above NMED TPH Screening Guidelines for Kerosene and Jet Fuel (Table 2b, Oct 2006)

Table 6-3
Groundwater Analytical Results (Nov-Dec 2008)
Spill Site SS-61 VCM Addendum
Holloman Air Force Base, New Mexico

Client Sample ID:	Groundwater Screening Levels		MW-29-02		MW-29-02-a		MW-29-05		MW- 29-08		SS61-MW03		SS61-MW03-a		SS61-MW06		SS61-MW08	
Lab Sample ID:			F61632-1		F61632-2		F61631-1		F61745-1		F61746-1		F61746-2		F61715-1		F61683-2	
Date Sampled:	NMWQCC[1]	EPA MCL	11/18/2008		11/18/2008		11/18/2008		11/21/2008		11/20/2008		11/20/2008		11/20/2008		11/19/2008	
Analyte			Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q
Volatile Organic Compounds	µg/L	µg/L	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
Acetone	NV	NV	10	U	10	U	10	U	10	U	10	U	10	U	10	U	100	U
Acrylonitrile	NV	NV	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U	20	U
Benzene	10	5	0.40	U	0.40	U	2.4		0.40	U	**645**		**656**		**3,460**		**401**	
sec-Butylbenzene	NV	NV	0.25	U	0.25	U	1.6		0.25	U	0.67	J	0.66	J	5.7		2.5	U
tert-Butylbenzene	NV	NV	0.32	U	0.32	U	1.1		0.32	U	0.52	J	0.48	J	3.5		3.4	J
Chlorobenzene	NV	100	0.22	U	0.22	U	0.38	J	0.22	U	0.22	U	0.22	U	0.22	U	2.2	U
Chloroform	100	NV	0.79	J	0.79	J	0.28	U	0.28	U	0.28	U	0.28	U	0.28	U	2.8	U
1,1-Dichloroethane	25	NV	0.24	U	0.24	U	0.28	J	0.24	U	0.24	U	0.24	U	0.24	U	2.4	U
1,2-Dibromoethane	0.1	0.05	0.28	U	0.28	U	0.28	U	0.28	U	**0.29**	J	0.28	U	0.28	U	2.8	U
1,2-Dichloroethane	10	5	**28.7**		**29.1**		**58.4**		**15.9**		**29.9**		**30.0**		**9.1**		3.4	U
cis-1,2-Dichloroethylene	NV	70	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	2.0	U
m-Dichlorobenzene	NV	NV	0.23	U	0.23	U	0.23	U	0.23	U	0.23	U	0.23	U	0.23	U	2.3	U
o-Dichlorobenzene	NV	600	0.20	U	0.20	U	1.4		0.20	U	0.20	U	0.20	U	0.20	U	2.0	U
p-Dichlorobenzene	NV	75	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	2.2	U
trans-1,3-Dichloropropene	NV	NV	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	2.1	U
Ethylbenzene	750	700	0.43	U	0.43	U	0.43	U	0.43	U	10.6		11.5		47.3		4.3	U
Hexane	NV	NV	0.50	U	0.50	U	0.50	U	0.50	U	2.1	J	0.50	U	0.50	U	5.0	U
Isopropylbenzene	NV	NV	0.20	U	0.20	U	0.32	J	0.20	U	99.7		67.0		543		115	
Methyl methacrylate	NV	NV	1.0	U	1.0	U	1.0	U	1.0	U	24.6		24.8		70.8		10	U
Methylene chloride	100	5	1.0	U	1.0	U	1.0	U	1.0	U	1.0	J	1.1	J	1.0	U	10	U
Naphthalene	30	NV	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	10	U
n-Propylbenzene	NV	NV	0.25	U	0.25	U	0.25	U	0.25	U	2.1		2.2		3.8		2.5	U
1,2,4-Trimethylbenzene	NV	NV	0.22	U	0.22	U	0.22	U	0.22	U	8.1		8.9		66.3		2.2	U
1,3,5-Trimethylbenzene	NV	NV	0.20	U	0.20	U	0.20	U	0.20	U	4.4		5.0		0.20	U	2.0	U
Toluene	750	1,000	0.35	U	0.35	U	0.35	U	0.35	U	20.1		22.3		1.4		3.5	U
Trichloroethylene	100	5	0.32	U	0.32	U	**6.2**		0.32	U	3.6		3.1		0.32	U	3.2	U
m,p-Xylene	620	10,000	0.78	U	0.78	U	0.78	U	0.78	U	31.5		34.5		67.8		7.8	U
o-Xylene	620	10,000	0.37	U	0.37	U	0.37	U	0.37	U	21.0		22.4		14.4		3.7	U
Total Petroleum Hydrocarbons	**mg/L**	**mg/L**	**mg/L**		**mg/L**		**mg/L**		**mg/L**		**mg/L**		**mg/L**		**mg/L**		**mg/L**	
TPH-GRO (C6-C10)	15.7 [3]	NV	0.050	U	0.050	U	0.0780	J	0.050	U	0.463		2.72		7.33		1.63	
TPH-DRO (C10-C22)	15.7 [3]	NV	0.096	U	0.096	U	0.163	J	0.096	U	0.178	J	0.168	J	0.467		0.283	
TPH-ORO (>C22-C36)	15.7 [3]	NV	0.096	U	0.096	U	0.096	U	0.096	U	0.139	J	0.125	J	0.105	J	0.101	J
General Chemistry	**mg/L**	**mg/L**	**mg/L**		**mg/L**		**mg/L**		**mg/L**		**mg/L**		**mg/L**		**mg/L**		**mg/L**	
Solids, Total Dissolved	1,000	NV	**18,800**		**18,500**		**20,000**		**15,700**		**15,300**		**15,600**		**16,100**		**3,700**	

Notes:

NMWQCC = New Mexico Water Quality Control Commission
EPA = Environmetal Protection Agency
MCL = Maximum Contaminant Level
µg/L = micrograms per liter
mg/L = milligrams per liter
NV = No Value
Q = Laboratory Qualifier
U = Not detected
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
ORO = Oil Range Organics

[1] Standards for Groundwater, if 10,000 mg/l TDS Concentration or Less, New Mexico Administrative Code 20.6.2.3103

[2] If results are not detected (U) then the value is set at the Method Detection Limit (MDL)

[3] NMED, October 2006. TPH Screening Guidelines (Kerosene and Jet Fuel, Concentration in groundwater, Table 2b)

Bold value indicate analytes above New Mexico Groundwater Quality Standard or EPA MCL

J = Indicates an estimated value. Result is between the MDL and the reporting limit (RL).

Indicates that the combined TPH GRO/DRO/ORO value exceeds the TPH Screening Guideline

Table 6-3
Groundwater Analytical Results (Nov-Dec 2008)
Spill Site SS-61 VCM Addendum
Holloman Air Force Base, New Mexico

Client Sample ID:	Groundwater Screening Levels		SS61-MW09		SS61-MW10		SS61-MW13		SS61-MW14		SS61-MW15		SS61-MW16		SS61-TMW61		SS61-TMW63	
Lab Sample ID:	NMWQCC[1]	EPA MCL	F61712-2		F61712-1		F61633-1		F61683-1		F61994-1		F62042-2		F61745-2		F61633-2	
Date Sampled:			11/19/2008		11/19/2008		11/17/2008		11/18/2008		12/4/2008		12/5/2008		11/21/2008		11/17/2008	
Analyte			Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q
Volatile Organic Compounds	µg/L	µg/L	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
Acetone	NV	NV	10	U	10	U	10	U	100	U	10	U	10	U	10	U	50	U
Acrylonitrile	NV	NV	2.0	U	2.0	U	2.0	U	20	U	2.0	U	6.0	J	2.0	U	10	U
Benzene	10	5	0.40	U	**824**		0.40	U	**264**		**82.5**		0.55	J	**216**		**4,300**	
sec-Butylbenzene	NV	NV	0.25	U	0.59	J	0.25	U	3.8	J	8.5		0.25	U	2.0		6.3	
tert-Butylbenzene	NV	NV	1.2		4.7		0.32	U	3.3	J	23.6		11.6		1.4		5.6	
Chlorobenzene	NV	100	0.22	U	0.22	U	0.22	U	2.2	U	0.22	U	1.7		0.22	U	1.1	U
Chloroform	100	NV	0.28	U	0.28	U	0.28	U	2.8	U	0.28	U	0.28	U	0.28	U	1.4	U
1,1-Dichloroethane	25	NV	0.24	U	0.24	U	0.24	U	2.4	U	8.3		0.24	U	0.24	U	1.2	U
1,2-Dibromoethane	0.1	0.05	0.28	U	0.28	U	0.28	U	2.8	U	0.28	U	0.28	U	0.28	U	1.4	U
1,2-Dichloroethane	10	5	0.34	U	0.34	U	0.34	U	3.4	U	0.34	U	0.34	U	0.95	J	**8.1**	
cis-1,2-Dichloroethylene	NV	70	0.20	U	0.20	U	0.20	U	2.0	U	0.82	J	0.20	U	0.20	U	1.0	U
m-Dichlorobenzene	NV	NV	0.23	U	0.23	U	0.23	U	2.3	U	0.23	U	0.25	J	0.23	U	1.2	U
o-Dichlorobenzene	NV	600	0.22	J	0.20	U	0.20	U	2.0	U	0.20	U	2.5		0.20	U	1.0	U
p-Dichlorobenzene	NV	75	0.22	U	0.22	U	0.22	U	2.2	U	0.22	U	0.59	J	0.22	U	1.1	U
trans-1,3-Dichloropropene	NV	NV	0.21	U	0.21	U	0.21	U	2.1	U	0.21	U	0.21	U	0.21	U	21.8	J
Ethylbenzene	750	700	0.43	U	0.43	U	0.43	U	4.3	U	134		0.43	U	2.4		**741**	
Hexane	NV	NV	0.50	U	0.50	U	0.50	U	5.0	U	8.3		0.50	U	0.50	U	2.5	U
Isopropylbenzene	NV	NV	0.20	U	61.4		0.20	U	69.1		1,640		0.29	J	167		1,130	
Methyl methacrylate	NV	NV	1.0	U	35.1		1.0	U	10	U	1.0	U	1.0	U	45.0		5.0	U
Methylene chloride	100	5	1.0	U	1.0	U	1.0	U	10	U	1.0	U	1.0	U	1.0	U	5.0	U
Naphthalene	30	NV	1.0	U	1.0	U	1.0	U	10	U	1.0	U	1.0	U	1.0	U	**282**	
n-Propylbenzene	NV	NV	0.25	U	0.25	U	0.25	U	2.5	U	26.4		0.25	U	1.4		36.5	
1,2,4-Trimethylbenzene	NV	NV	0.22	U	0.22	U	0.22	U	2.2	U	0.22	U	0.22	U	0.22	U	19.7	
1,3,5-Trimethylbenzene	NV	NV	0.20	U	0.20	U	0.20	U	2.0	U	0.20	U	0.20	U	0.20	U	1.0	U
Toluene	750	1,000	0.35	U	0.35	U	0.35	U	3.5	U	0.52	J	0.35	U	0.76	J	11.2	
Trichloroethylene	100	5	0.32	U	0.32	U	0.32	U	3.2	U	0.32	U	0.32	U	3.2		**12.2**	
m,p-Xylene	620	10,000	0.78	U	0.78	U	0.78	U	7.8	U	0.90	J	0.78	U	1.3	J	65.8	
o-Xylene	620	10,000	0.37	U	0.37	U	0.37	U	3.7	U	2.1		0.37	U	0.37	U	13.9	
Total Petroleum Hydrocarbons	**mg/L**	**mg/L**	**mg/L**		**mg/L**		**mg/L**		**mg/L**		**mg/L**		**mg/L**		**mg/L**		**mg/L**	
TPH-GRO (C6-C10)	15.7 [3]	NV	0.709		2.17		0.050	U	0.934		7.80		1.31		1.43		13.2	
TPH-DRO (C10-C22)	15.7 [3]	NV	0.306		0.256		0.096	U	0.296		0.545		2.25		0.156	J	0.766	
TPH-ORO (>C22-C36)	15.7 [3]	NV	0.096	U	0.096	U	0.096	U	0.263		0.095	U	0.213	J	0.096	U	0.115	J
General Chemistry	**mg/L**	**mg/L**	**mg/L**		**mg/L**		**mg/L**		**mg/L**		**mg/L**		**mg/L**		**mg/L**		**mg/L**	
Solids, Total Dissolved	1,000	NV	**2,940**		**2,560**		**3,390**		**15,300**		**3,990**		**4,540**		NA		NA	

Notes:

NMWQCC = New Mexico Water Quality Control Commission
EPA = Environmetal Protection Agency
MCL = Maximum Contaminant Level
µg/L = micrograms per liter
mg/L = milligrams per liter
NV = No Value
Q = Laboratory Qualifier
U = Not detected
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
ORO = Oil Range Organics

[1] Standards for Groundwater, if 10,000 mg/l TDS Concentration or Less, New Mexico Administrative Code 20.6.2.3103

[2] If results are not detected (U) then the value is set at the Method Detection Limit (MDL)

[3] NMED, October 2006. TPH Screening Guidelines (Kerosene and Jet Fuel, Concentration in groundwater, Table 2b)

Bold value indicate analytes above New Mexico Groundwater Quality Standard or EPA MCL

J = Indicates an estimated value. Result is between the method detection limit (MDL) and the reporting limit (RL).

Indicates that the combined TPH GRO/DRO/ORO value exceeds the TPH Screening Guideline

Table 6-3
Groundwater Analytical Results (Nov-Dec 2008)
Spill Site SS-61 VCM Addendum
Holloman Air Force Base, New Mexico

Client Sample ID:	Groundwater Screening Levels		SS61-TMW69		SS61-TMW80		SS61-TMW81		SS61-TMW82		SS61-TMW83		SS61-TMW85	
Lab Sample ID:	NMWQCC[1]	EPA MCL	F61715-2		F61942-1		F62042-1		F61886-1		F61905-1		F62067-1	
Date Sampled:			11/20/2008		12/3/2008		12/4/2008		12/1/2008		12/2/2008		12/8/2008	
Analyte			Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q	Result[2]	Q
Volatile Organic Compounds	µg/L	µg/L	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
Acetone	NV	NV	10	U	316	J	813	J	441	J	100	U	5,000	U
Acrylonitrile	NV	NV	2.0	U	40	U	20	U	20	U	20	U	1,000	U
Benzene	10	5	**1,710**		**10,900**		**11,100**		**3,240**		**15,600**		**19,300**	
sec-Butylbenzene	NV	NV	6.1		5.0	U	9.9	J	9.1	J	3.7	J	130	U
tert-Butylbenzene	NV	NV	3.6		6.4	U	5.8	J	7.3	J	3.5	J	160	U
Chlorobenzene	NV	100	0.22	U	4.4	U	2.2	U	2.2	U	2.2	U	110	U
Chloroform	100	NV	0.28	U	5.6	U	2.8	U	2.8	U	2.8	U	140	U
1,1-Dichloroethane	25	NV	0.24	U	4.8	U	2.4	U	2.4	U	2.4	U	120	U
1,2-Dibromoethane	0.1	0.05	0.28	U	5.6	U	2.8	U	2.8	U	2.8	U	140	U
1,2-Dichloroethane	10	5	**9.3**		**9.6**	J	**18.8**		3.7	J	3.4	U	170	U
cis-1,2-Dichloroethylene	NV	70	0.20	U	4.0	U	2.0	U	2.0	U	2.0	U	100	U
m-Dichlorobenzene	NV	NV	0.23	U	4.6	U	2.3	U	2.3	U	2.3	U	120	U
o-Dichlorobenzene	NV	600	0.20	U	4.0	U	2.0	U	2.9	J	2.0	U	100	U
p-Dichlorobenzene	NV	75	0.22	U	4.4	U	2.2	U	2.2	U	2.2	U	110	U
trans-1,3-Dichloropropene	NV	NV	0.21	U	4.2	U	2.1	U	2.1	U	2.1	U	110	U
Ethylbenzene	750	700	221		**1,060**		**920**		**721**		**1,000**		**1,080**	
Hexane	NV	NV	0.50	U	27.0	J	81.1		5.0	U	5.0	U	250	U
Isopropylbenzene	NV	NV	1,180		1,160		1,050		2,600		798		2,520	
Methyl methacrylate	NV	NV	50.2		20	U	10	U	10	U	10	U	500	U
Methylene chloride	100	5	1.0	U	20	U	10	U	10	U	10	U	**2,850**	
Naphthalene	30	NV	1.0	U	20	U	10	U	10	U	10	U	500	U
n-Propylbenzene	NV	NV	10.1		24.5		46.0		78.4		32.2		130	U
1,2,4-Trimethylbenzene	NV	NV	28.7		254		374		2.2	U	6.4	J	110	U
1,3,5-Trimethylbenzene	NV	NV	0.20	U	9.9	J	77.7		3.7	J	2.0	U	100	U
Toluene	750	1,000	0.35	U	**940**		**1,170**		10.0		14.1		180	U
Trichloroethylene	100	5	**9.0**		6.4	U	3.2	U	**11.4**		3.2	U	160	U
m,p-Xylene	620	10,000	3.1		**1,650**		**1,880**		10.2	J	29.2		390	U
o-Xylene	620	10,000	0.71	J	**1,440**		**988**		10.6		27.8		190	U
Total Petroleum Hydrocarbons	**mg/L**	**mg/L**	**mg/L**		**mg/L**		**mg/L**		**mg/L**		**mg/L**		**mg/L**	
TPH-GRO (C6-C10)	15.7 [3]	NV	3.37		**44.8**		**41.5**		14.5		**39.7**		**44.4**	
TPH-DRO (C10-C22)	15.7 [3]	NV	0.330		1.41		2.48		1.35		1.95		1.42	
TPH-ORO (>C22-C36)	15.7 [3]	NV	0.144	J	0.155	J	0.48	U	0.182	J	0.256	J	0.163	J
General Chemistry	**mg/L**	**mg/L**	**mg/L**		**mg/L**		**mg/L**		**mg/L**		**mg/L**		**mg/L**	
Solids, Total Dissolved	1,000	NV	NA		NA		NA		NA		NA		NA	

Notes:

NMWQCC = New Mexico Water Quality Control Commission

EPA = Environmetal Protection Agency
MCL = Maximum Contaminant Level
µg/L = micrograms per liter
mg/L = milligrams per liter
NV = No Value
Q = Laboratory Qualifier
U = Not detected
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
ORO = Oil Range Organics

[1] Standards for Groundwater, if 10,000 mg/l TDS Concentration or Less, New Mexico Administrative Code 20.6.2.3103

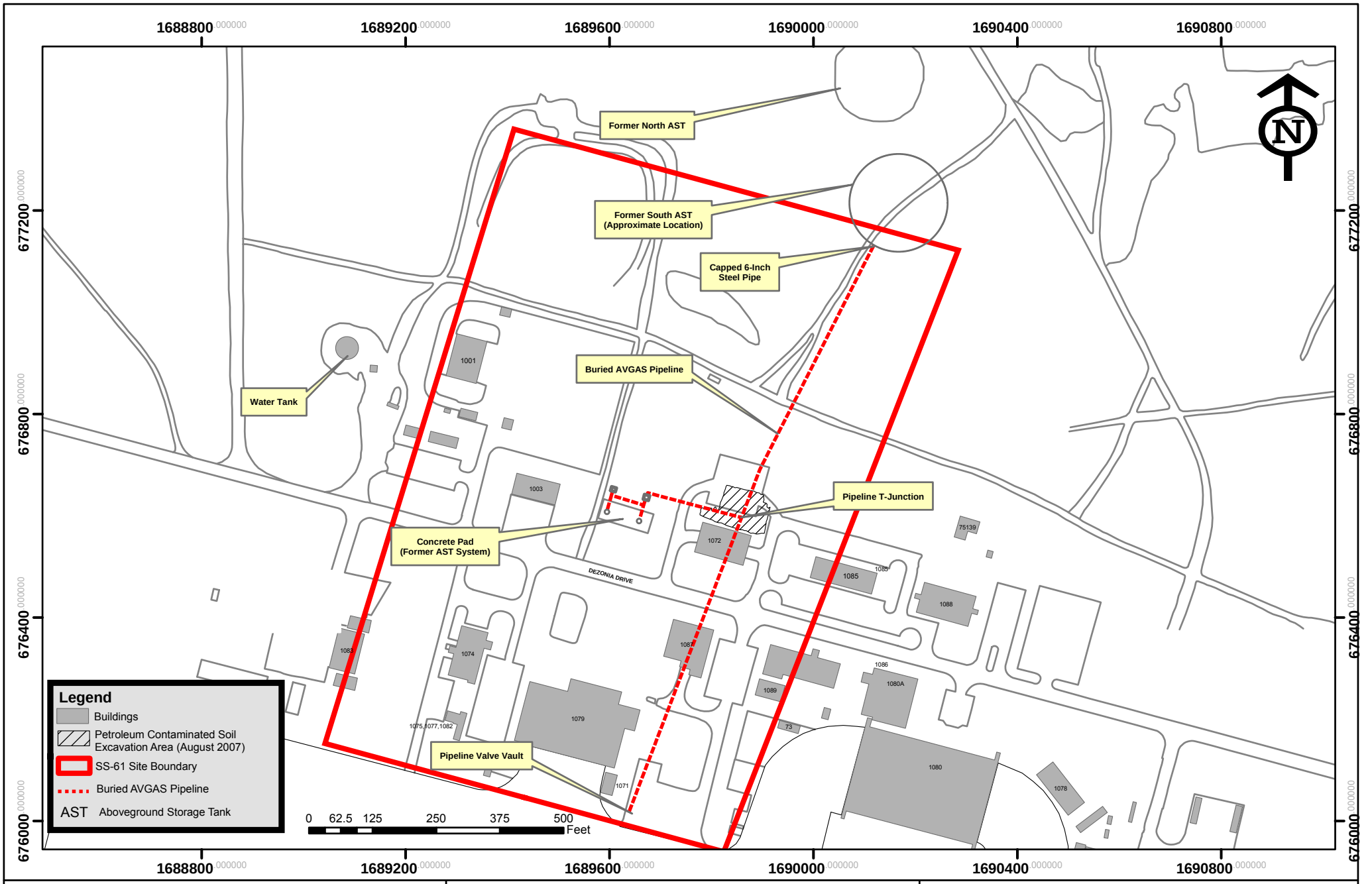
[2] If results are not detected (U) then the value is set at the Method Detection Limit (MDL)

[3] NMED, October 2006. TPH Screening Guidelines (Kerosene and Jet Fuel, Concentration in groundwater, Table 2b)

Bold value indicate analytes above New Mexico Groundwater Quality Standard or EPA MCL

J = Indicates an estimated value. Result is between the method detection limit (MDL) and the reporting limit (RL).

Indicates that the combined TPH GRO/DRO/ORO value exceeds the TPH Screening Guideline



bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

SS-61
Site Map

PROJECT NO.	SCALE	DATE	DRAWN BY:
9080130	1"=250'	12/22/08	cm

DRAWING NO: Figure 1-1

Voluntary Corrective Measures
Addendum Letter Report
Site SS-61
Holloman AFB, New Mexico

Figure 1-1

1689000.000000
1690000.000000
678000.000000
677000.000000
676000.000000

MW-29-01
MW-29-06
MW-29-08
(4079.88)
MW-29-02
(4079.33)
MW-29-07
MW-29-05
(4080.94)
SS61-MW01
MW-29-03
(4079.85)
MW-29-04
(4080.23)
Water Tower
SS61-MW13
(4079.44)
SS61-TMW85
SS61-TMW83
SS61-MW14
(4081.51)
SS61-MW03
(4082.53)
SS61-TMW82
SS61-MW02
SS61-TMW80
SS61-TMW69
SS61-MW07
(4079.32)
SS61-TMW81
SS61-MW04
SS61-TMW61
SS61-MW06
(4083.37)
SS61-MW08
(4082.03)
SS61-TMW63
SS61-MW05
SS61-MW09
(4082.83)
SS61-MW12
(4081.33)
SS61-MW16
(4082.54)
SS61-MW15
(4084.47)
SS61-MW10
(4084.19)

4080
4080.5
4081
4081.5
4082
4082.5
4083
4083.5
4084

Legend

- Monitoring Well Locations
- Temporary Monitoring Well Locations
- Water Lines
- 4082 Groundwater Isocontour Lines (Dashed Where Inferred)
- Groundwater Flow Direction
- (4083.37) Water Level Elevations Above Mean Sea Level (amsl)
- SS-61 Site Boundary

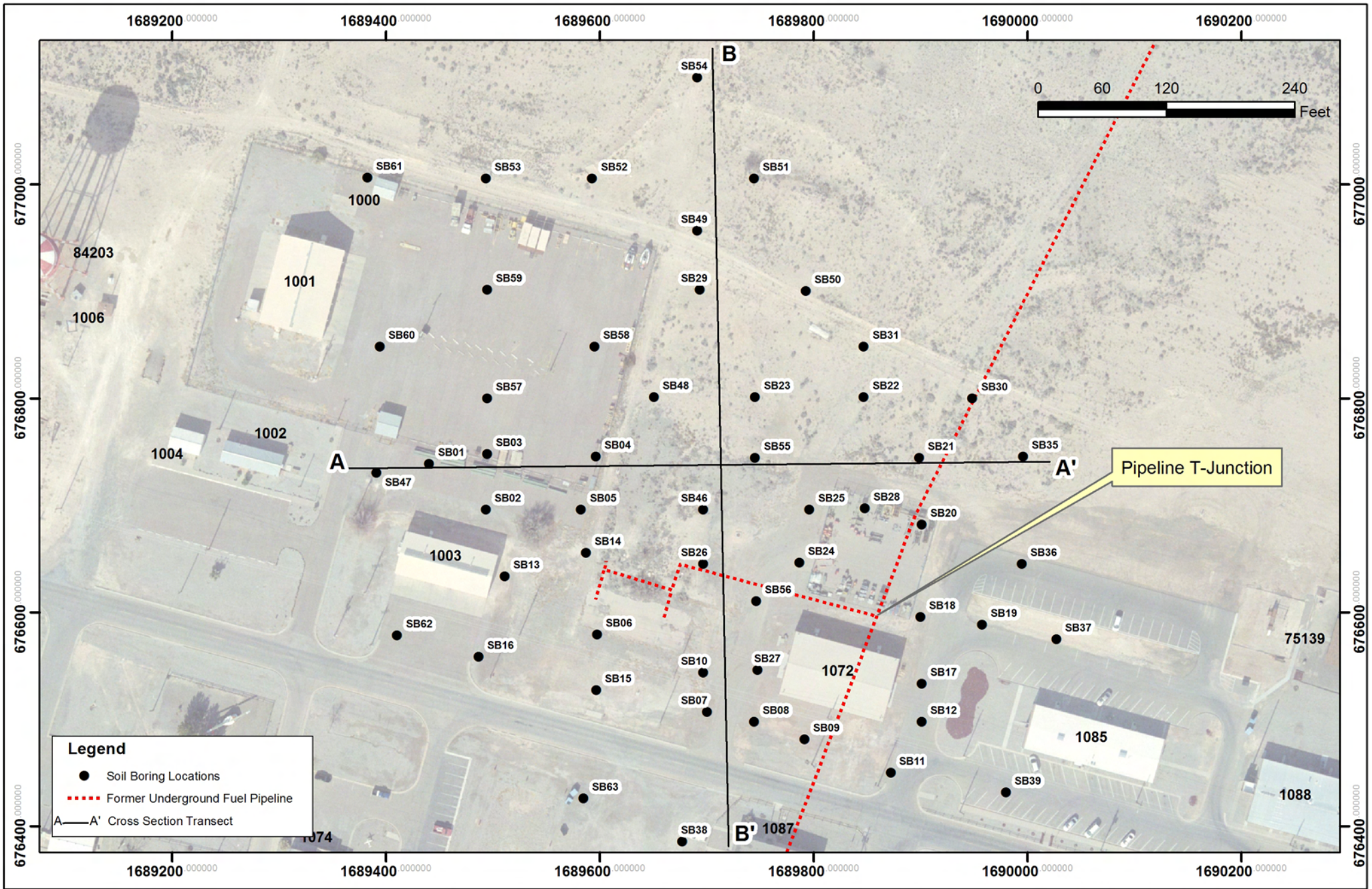
bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

Potentiometric Surface Map
SS-61 and Vicinity
(2008)

PROJECT NO.	SCALE	DATE	DRAWN BY:	cm
9080130	1"=150'	12/29/08	DRAWING NO:	Figure 3-1

Voluntary Corrective Measures
Addendum Letter Report
Site SS-61
Holloman AFB, New Mexico

Figure 3-1



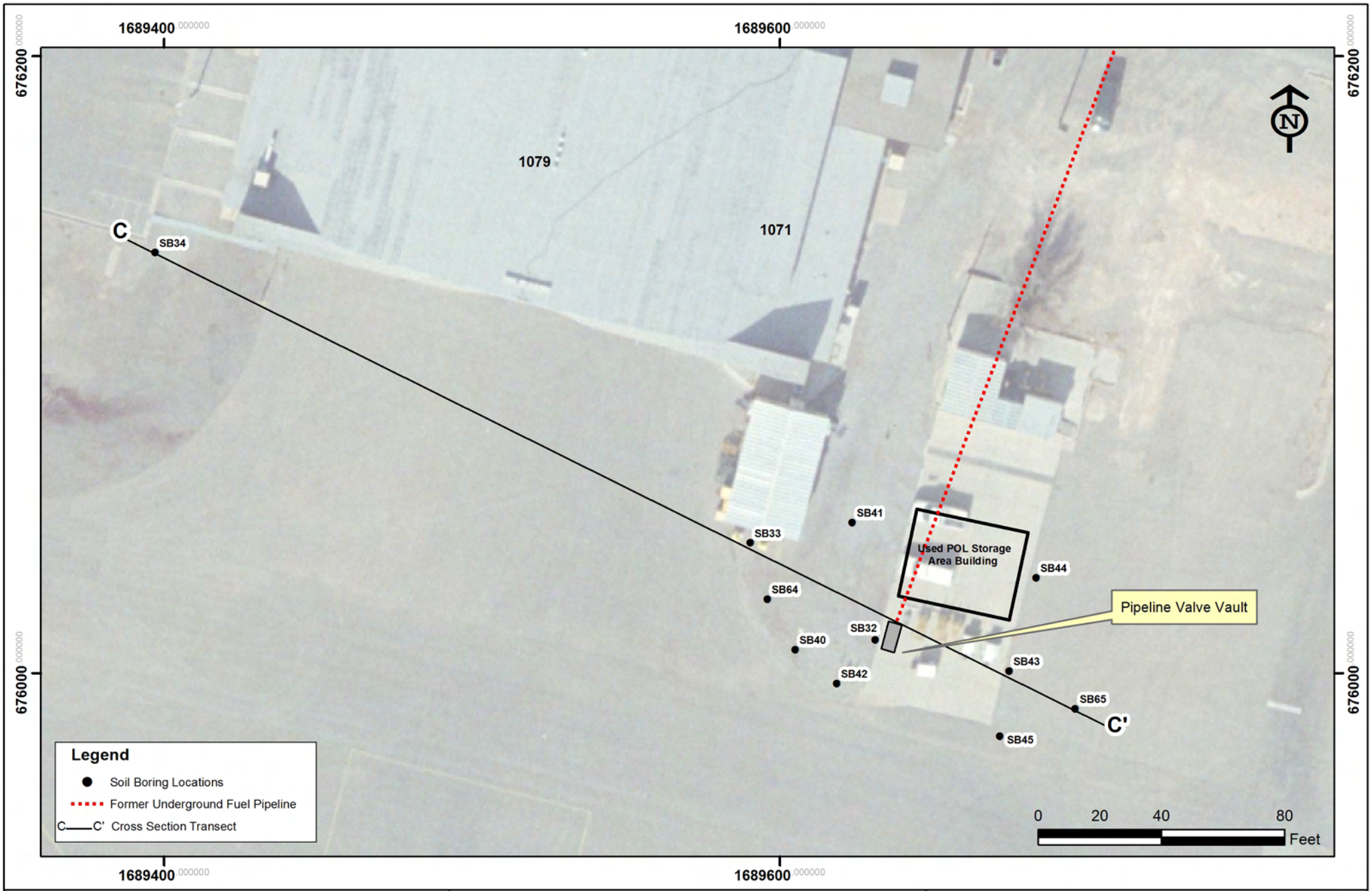
bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

SS-61
Soil Boring Locations-
Pipeline T-Junction PCS Source Area

PROJECT NO.	SCALE	DATE	DRAWN BY:
9080130	1"=120'	12/22/08	cm
			DRAWING NO: Figure 4-1

Voluntary Corrective Measures
Addendum Letter Report
Site SS-61
Holloman AFB, New Mexico

Figure 4-1



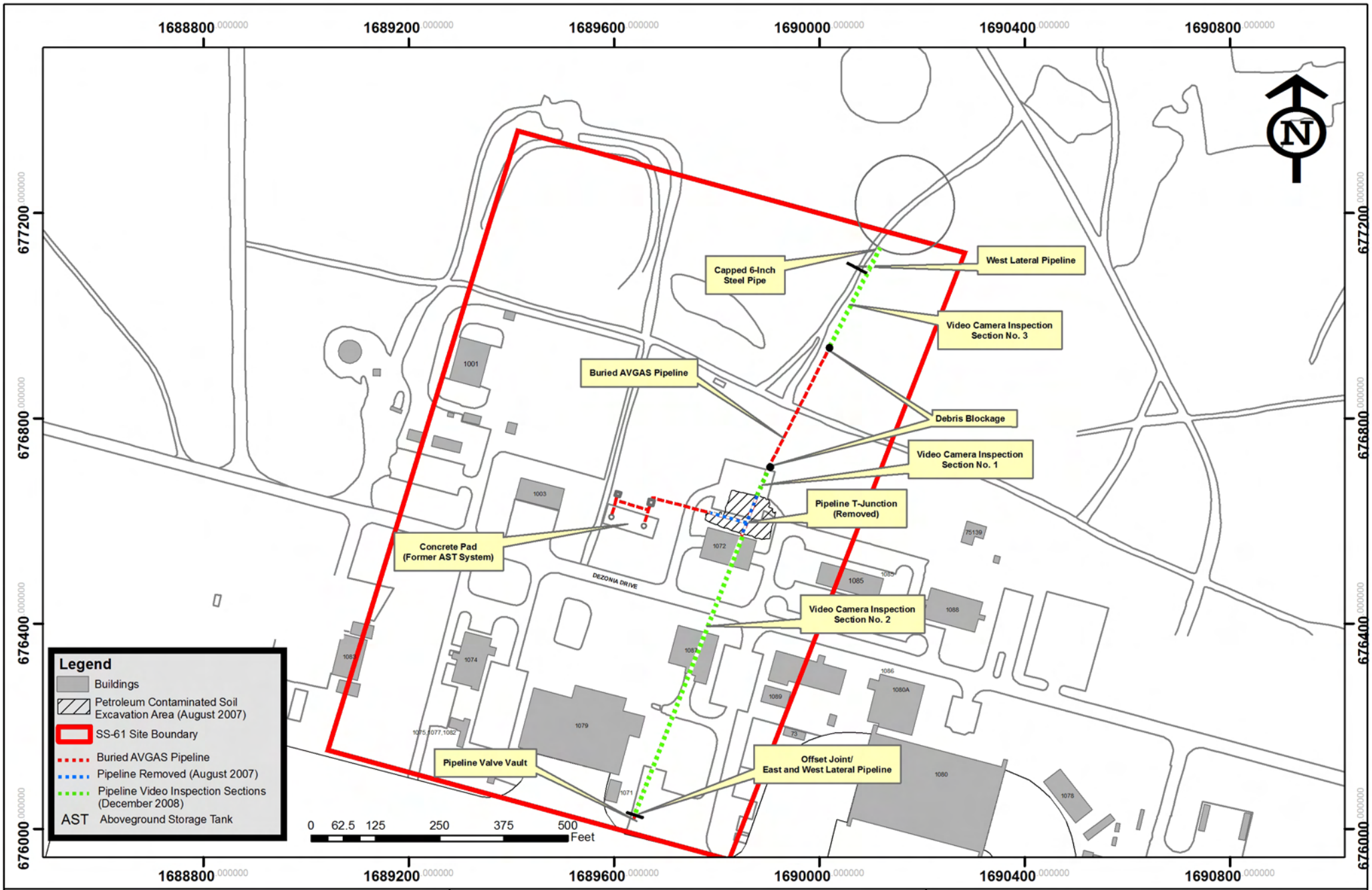
bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

SS-61
Soil Boring Locations
Pipeline Valve Vault PCS Source Area

PROJECT NO.	SCALE	DATE	DRAWN BY:
9080130	1"=40'	12/22/08	cm
			DRAWING NO: Figure 4-2

Voluntary Corrective Measures
Addendum Letter Report
Site SS-61
Holloman AFB, New Mexico

Figure 4-2



bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

SS-61
Pipeline Video Inspection

PROJECT NO.	SCALE	DATE	DRAWN BY:
9080130	1"=250'	12/22/08	cm

DRAWING NO: Figure 4-4

Voluntary Corrective Measures
Addendum Letter Report
Site SS-61
Holloman AFB, New Mexico

Figure 4-4

1689200 000000 | 1689400 000000 | 1689600 000000 | 1689800 000000 | 1690000 000000 | 1690200 000000

677000 000000 | 676800 000000 | 676600 000000 | 676400 000000

0 40 80 160 Feet

Legend

Soil Boring Locations

- Soil Boring Location Exceeding NMED SSLs and/or TPH Screening Guidelines
- Soil Boring Locations Not Exceeding NMED SSLs and/or TPH Screening Guidelines
- Former Underground Fuel Pipeline
- SSL Soil Screening Level

* TPH results reported in milligrams per kilogram (mg/kg)
VOC results reported in micrograms per kilogram (µg/kg)

Parameter	Result	Depth (ft.)
TPH-GRO	1,690	29

SB61

Parameter	Result	Depth (ft.)
TPH-GRO	2,420	29

SB59

Parameter	Result	Depth (ft.)
TPH-GRO	1,390	30

SB60

Parameter	Result	Depth (ft.)
TPH-GRO	1,860	28

SB57

Parameter	Result	Depth (ft.)
TPH-GRO	4,160	28
Benzene	30,900	28

SB01

Parameter	Result	Depth (ft.)
TPH-GRO	1,120	27

SB47

Parameter	Result	Depth (ft.)
TPH-GRO	1,540	27

SB03

Parameter	Result	Depth (ft.)
TPH-GRO	1,800	28
Benzene	18,500	28

SB14

Parameter	Result	Depth (ft.)
TPH-GRO	1,130	29

SB13

SB62

Parameter	Result	Depth (ft.)
TPH-GRO	4,120	27
Benzene	18,800	27

SB16

Parameter	Result	Depth (ft.)
TPH-GRO	1,680	25

SB53 SB52 SB54 SB49

Parameter	Result	Depth (ft.)
TPH-GRO	2,080	31
Benzene	32,200	31
Hexane	52,100	31
m,p-Xylene	93,000	31

SB58 SB04

Parameter	Result	Depth (ft.)
TPH-GRO	1,600	24

SB25 SB26 SB56

Parameter	Result	Depth (ft.)
TPH-GRO	1,500	27

SB24

Parameter	Result	Depth (ft.)
TPH-GRO	2,360	28

SB09 SB11

Parameter	Result	Depth (ft.)
TPH-GRO	1,310	20

SB63 SB38

SB06 SB10 SB27 SB15 SB07 SB08

Parameter	Result	Depth (ft.)
TPH-GRO	2,710	29

SB51

Parameter	Result	Depth (ft.)
TPH-GRO	2,020	29

SB50

Parameter	Result	Depth (ft.)
Benzene	31,100	25

SB29 SB48 SB31

Parameter	Result	Depth (ft.)
TPH-GRO	5,630	26
Benzene	24,400	26

SB23 SB22 SB30

Parameter	Result	Depth (ft.)
TPH-GRO	2,380	33
Benzene	19,400	33

SB55 SB21 SB35

Parameter	Result	Depth (ft.)
TPH-GRO	2,570	28

SB20

Parameter	Result	Depth (ft.)
TPH-GRO	6,340	28

SB36 SB18 SB19 SB37

Parameter	Result	Depth (ft.)
TPH-GRO	6,300	29

SB17 SB12

Parameter	Result	Depth (ft.)
TPH-GRO	2,840	29

SB39

SB02 SB05 SB46 SB28

Pipeline T-Junction

1000 1001 1003 1004 1006 1072 1085 1088 1087 1074 1083

84203

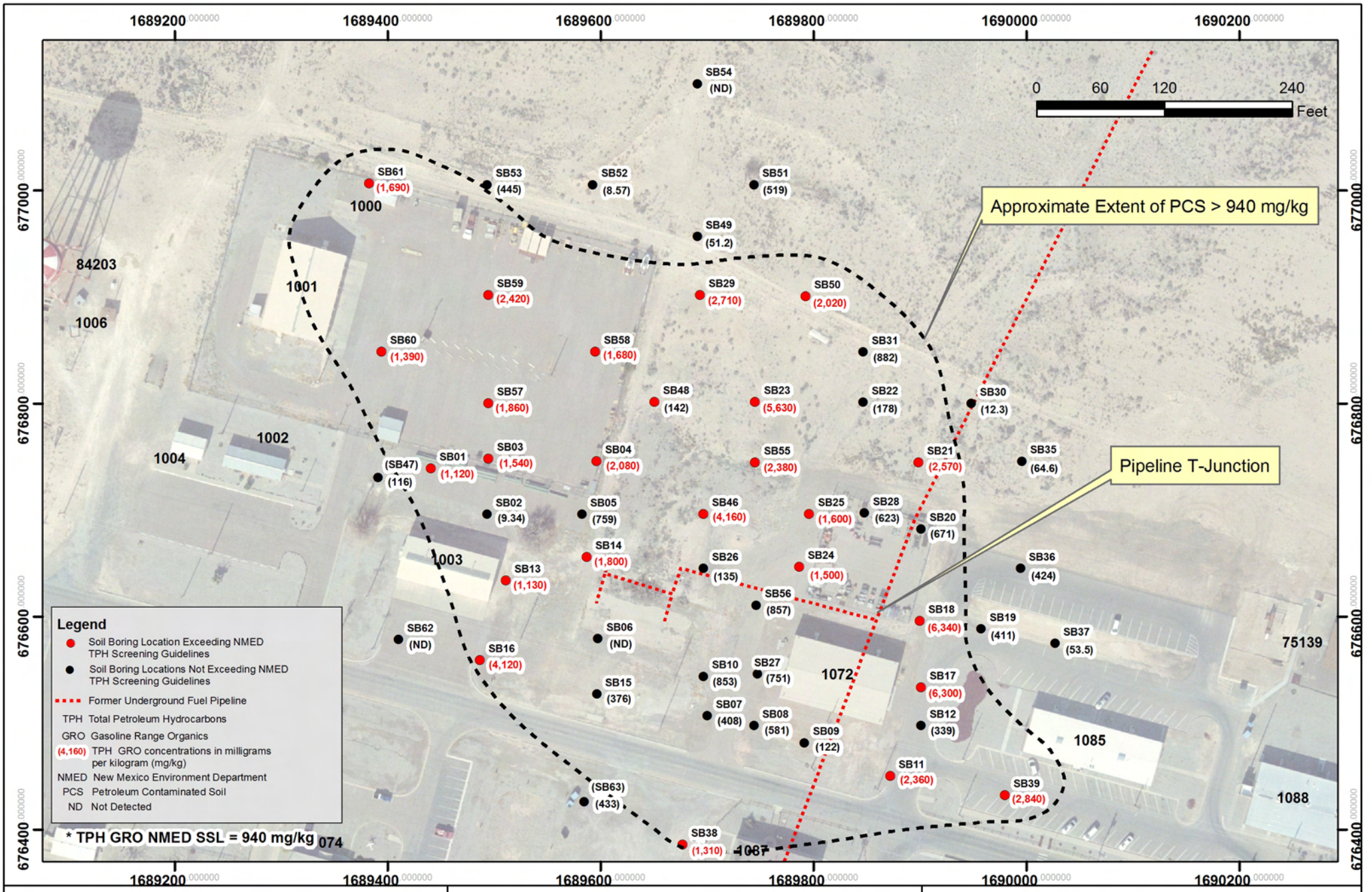
Voluntary Corrective Measures
Addendum Letter Report
Site SS-61
Holloman AFB, New Mexico

Figure 6-1

SS-61
Pipeline T-Junction PCS Source Area
Soil Analytical Results Above NMED Action Levels

DRAWN BY:	cm
DRAWING NO:	Figure 6-1
DATE	1/6/09
SCALE	1"=80'
PROJECT NO.	9080130

bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION



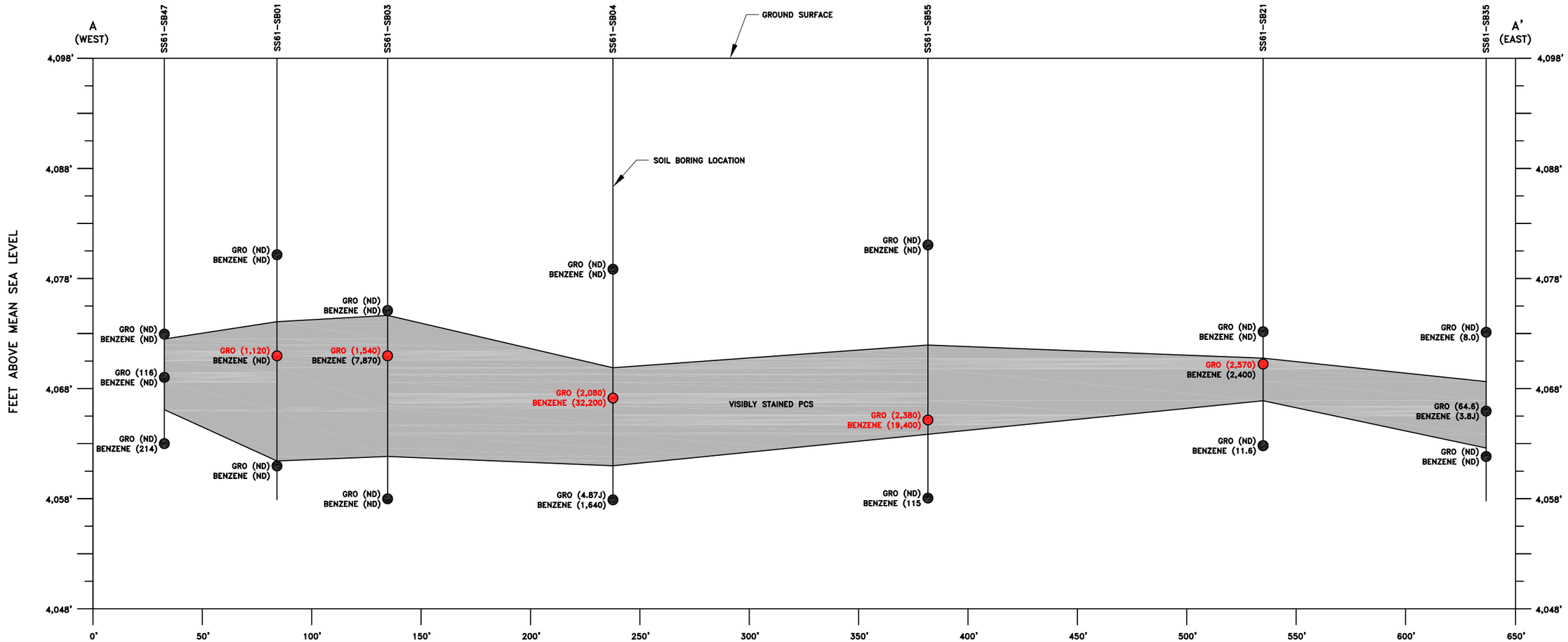
bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

Areal Extent of the PCS Horizon Pipeline T-Junction Source Area

PROJECT NO.	SCALE	DATE	DRAWN BY:
9080130	1"=120'	12/22/08	cm
			DRAWING NO: Figure 6-2

Voluntary Corrective Measures
Addendum Letter Report
Site SS-61
Holloman AFB, New Mexico

Figure 6-2



CROSS SECTION A–A'

LEGEND:

●	SOIL SAMPLE LOCATION (RESULTS BELOW NMED SSL AND/OR TPH SCREENING GUIDELINES)	V	VERTICAL
●	SOIL SAMPLE LOCATION (RESULTS EXCEED NMED SSL AND/OR TPH SCREENING GUIDELINES)	H	HORIZONTAL
GRO	GASOLINE RANGE ORGANICS CONCENTRATION IN SOIL REPORTED IN MILLIGRAMS PER KILOGRAM (mg/kg)	(3.8J)	ESTIMATED VALUE
		(ND)	NOT DETECTED
BENZENE	BENZENE CONCENTRATION IN SOIL REPORTED IN MICROGRAMS PER KILOGRAM (µg/kg)	NMED	MEW MEXICO ENVIRONMENT DEPARTMENT
PCS	PETROLEUM CONTAMINATED SOIL		NMED TPH SCREENING GUIDELINE = 940 mg/kg
SSL	SOIL SCREENING LEVEL		NMED SSL FOR BENZENE = 10,300 µg/kg

bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

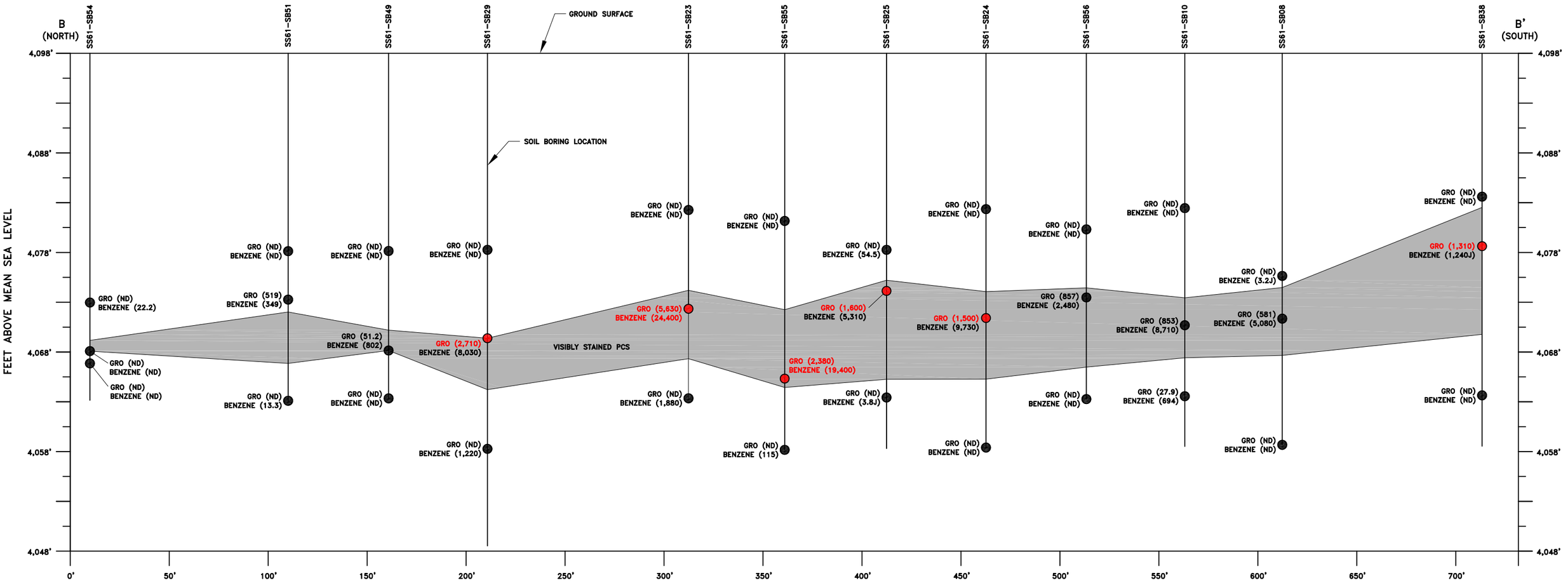
PIPELINE T–JUNCTION PCS SOURCE AREA
CROSS SECTION A–A'

PROJECT NO.	SCALE	DATE	DRAWN BY:	CHECKED BY:
9080130	V: 1"=10' H: 1"=50'	1/05/09	MRM	DM

DRAWING NO: Figure 6–3

Voluntary Corrective Measures
Addendum Letter Report
Site SS–61
Holloman AFB, New Mexico

Figure 6–3



CROSS SECTION B–B'

LEGEND:

●	SOIL SAMPLE LOCATION (RESULTS BELOW NMED SSL AND/OR TPH SCREENING GUIDELINES)
●	SOIL SAMPLE LOCATION (RESULTS EXCEED NMED SSL AND/OR TPH SCREENING GUIDELINES)
GRO	GASOLINE RANGE ORGANICS CONCENTRATION IN SOIL REPORTED IN MILLIGRAMS PER KILOGRAM (mg/kg)
BENZENE	BENZENE CONCENTRATION IN SOIL REPORTED IN MICROGRAMS PER KILOGRAM (µg/kg)
PCS	PETROLEUM CONTAMINATED SOIL
SSL	SOIL SCREENING LEVEL
V	VERTICAL
H	HORIZONTAL
(3.2J)	ESTIMATED VALUE
(ND)	NOT DETECTED
NMED	MEW MEXICO ENVIRONMENT DEPARTMENT
	NMED TPH SCREENING GUIDELINE = 940 mg/kg
	NMED SSL FOR BENZENE = 10,300 µg/kg

bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

PIPELINE T–JUNCTION PCS SOURCE AREA
CROSS SECTION B–B'

PROJECT NO.	SCALE	DATE	DRAWN BY:	CHECKED BY:
9080130	V: 1"=10' H: 1"=50'	1/05/09	MRM	DM

DRAWING NO: Figure 6–4

Voluntary Corrective Measures
Addendum Letter Report
Site SS–61
Holloman AFB, New Mexico

Figure 6–4

1689400 000000

1689600 000000

0 12.5 25 50 Feet

N

1079

1071

SB34

Parameter	Result	Depth (ft.)
TPH-GRO	1,510	27

SB33

Parameter	Result	Depth (ft.)
TPH-GRO	1,710	17

SB41

Used POL Storage Area Building

SB44

SB64

Pipeline Valve Vault

SB32

SB40

SB43

SB42

Parameter	Result	Depth (ft.)
TPH-GRO	943	15

SB65

SB45

676000 000000

Legend

Soil Boring Locations

- Soil Boring Location Exceeding NMED TPH Screening Guidelines
- Soil Boring Locations Not Exceeding NMED TPH Screening Guidelines
- Former Underground Fuel Pipeline

SSL Soil Screening Level

* TPH results reported in milligrams per kilogram (mg/kg)

1689400 000000

1689600 000000

Voluntary Corrective Measures
Addendum Letter Report
Site SS-61
Holloman AFB, New Mexico

Figure 6-5

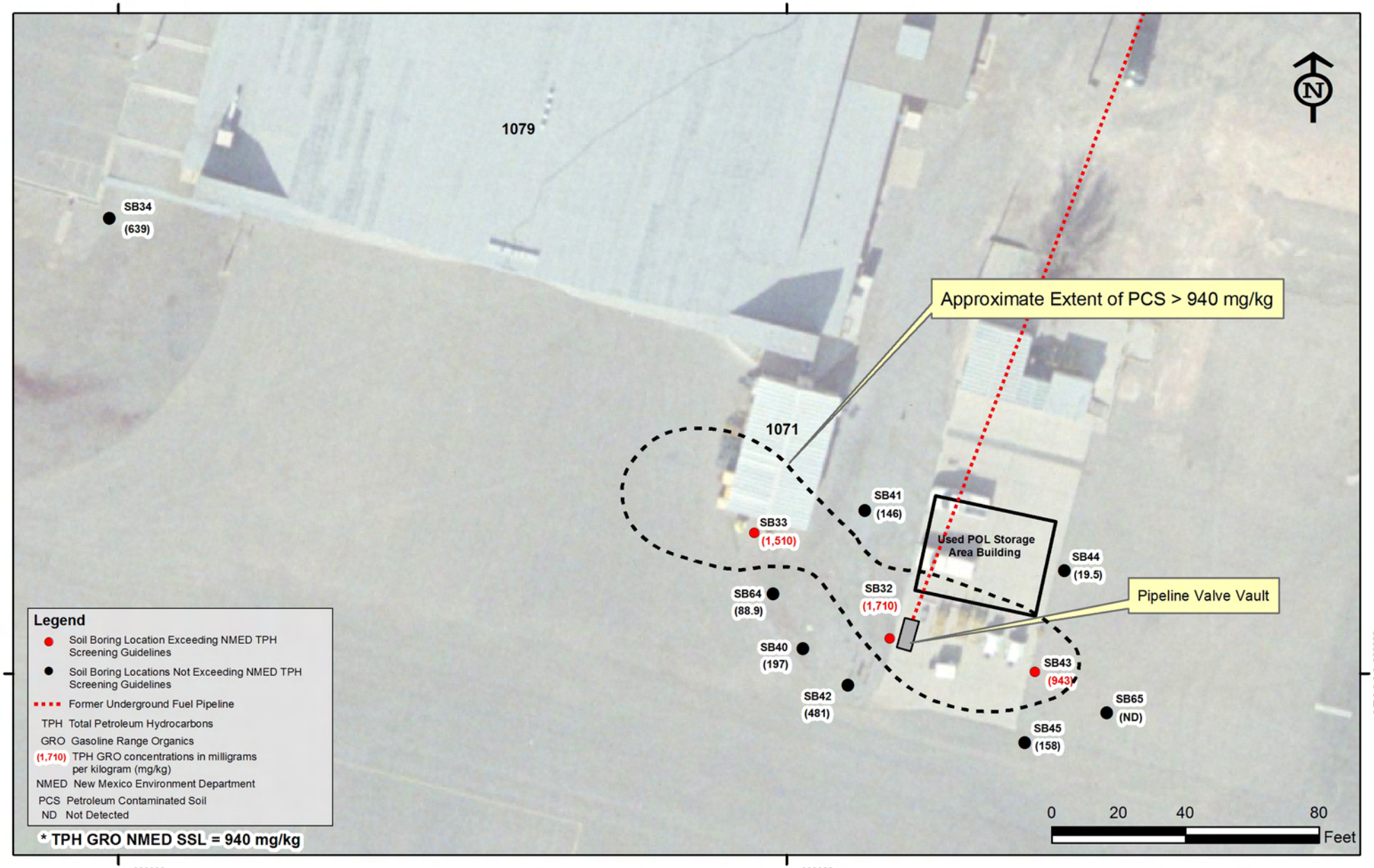
SS-61
Pipeline Valve Vault PCS Source Area
Soil Analytical Results Above
NMED Action Levels

PROJECT NO.	SCALE	DATE
9080130	1"=25'	1/6/09

DRAWN BY: cm

DRAWING NO: Figure 6-5

bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION



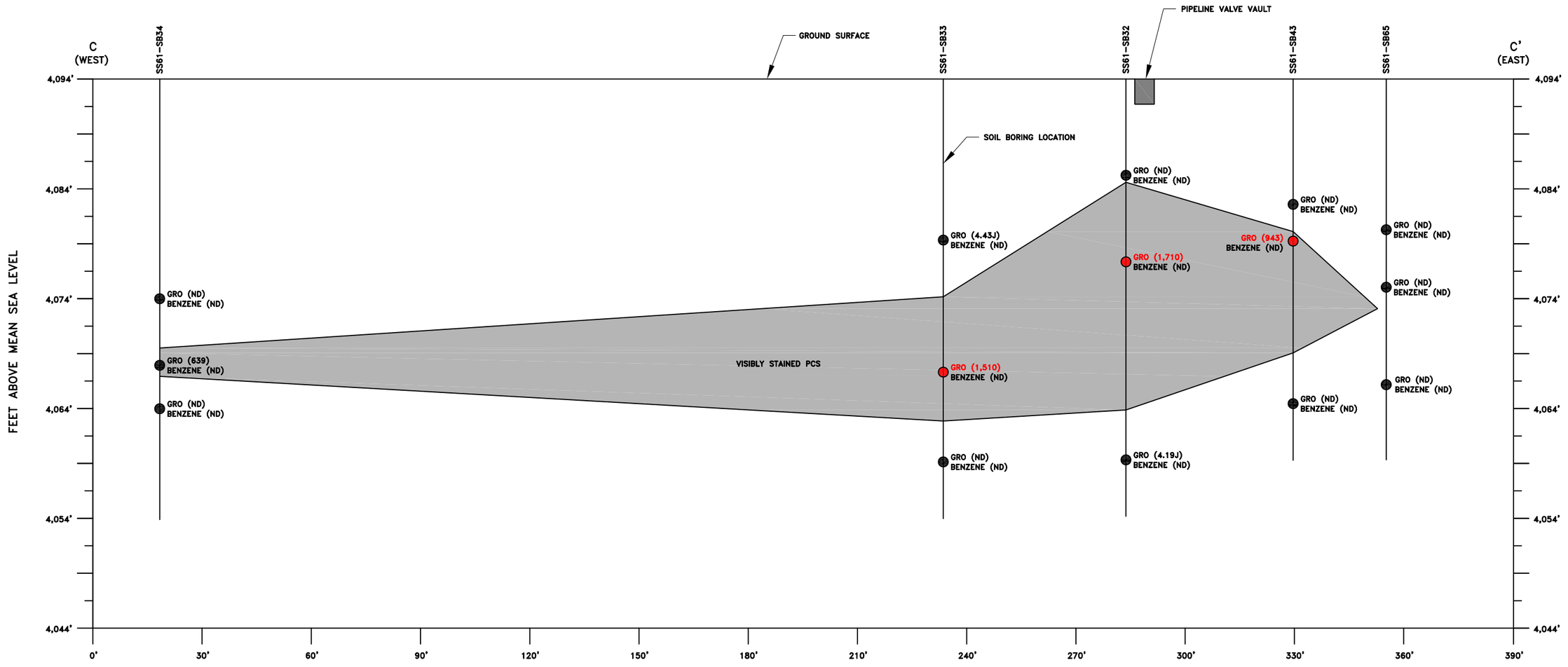
bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

Areal Extent of the PCS Horizon Pipeline Valve Vault Source Area

PROJECT NO.	SCALE	DATE	DRAWN BY:
9080130	1"=40'	12/22/08	cm
			DRAWING NO: Figure 6-6

Voluntary Corrective Measures
Addendum Letter Report
Site SS-61
Holloman AFB, New Mexico

Figure 6-6



CROSS SECTION C–C'

LEGEND:

●	SOIL SAMPLE LOCATION (RESULTS BELOW NMED SSL AND/OR TPH SCREENING GUIDELINES)
●	SOIL SAMPLE LOCATION (RESULTS EXCEED NMED SSL AND/OR TPH SCREENING GUIDELINES)
GRO	GASOLINE RANGE ORGANICS CONCENTRATION IN SOIL REPORTED IN MILLIGRAMS PER KILOGRAM (mg/kg)
BENZENE	BENZENE CONCENTRATION IN SOIL REPORTED IN MICROGRAMS PER KILOGRAM (µg/kg)
PCS	PETROLEUM CONTAMINATED SOIL
SSL	SOIL SCREENING LEVEL
V	VERTICAL
H	HORIZONTAL
(4.43J)	ESTIMATED VALUE
(ND)	NOT DETECTED
NMED	MEW MEXICO ENVIRONMENT DEPARTMENT
	NMED TPH SCREENING GUIDELINE = 940 mg/kg
	NMED SSL FOR BENZENE = 10,300 µg/kg

bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

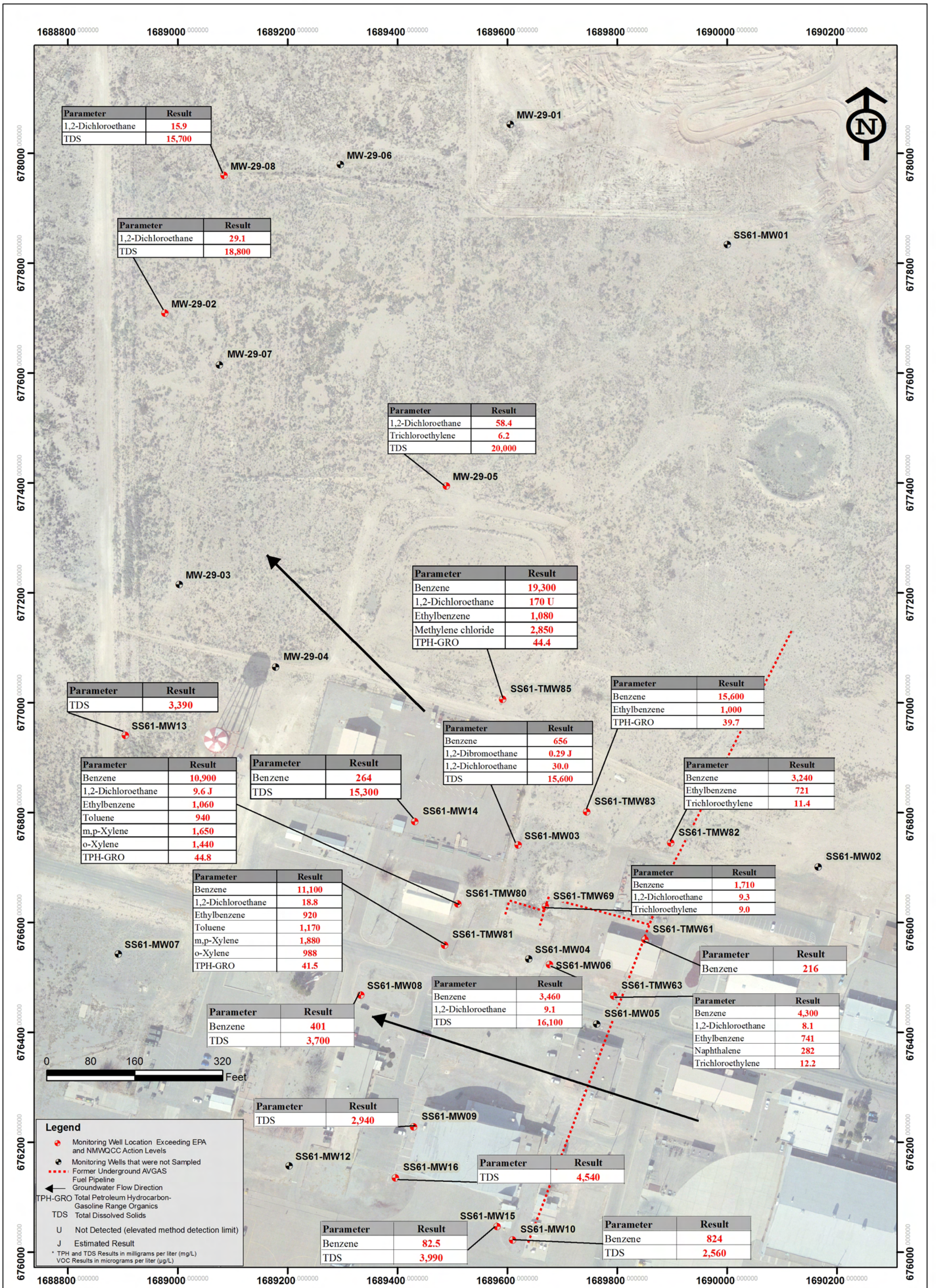
PIPELINE VALVE VAULT PCS SOURCE AREA
CROSS SECTION C–C'

PROJECT NO.	SCALE	DATE	DRAWN BY:	CHECKED BY:
9080130	V: 1"=10' H: 1"=30'	1/05/09	MRM	DM

DRAWING NO: Figure 6–7

Voluntary Corrective Measures
Addendum Letter Report
Site SS–61
Holloman AFB, New Mexico

Figure 6–7



bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

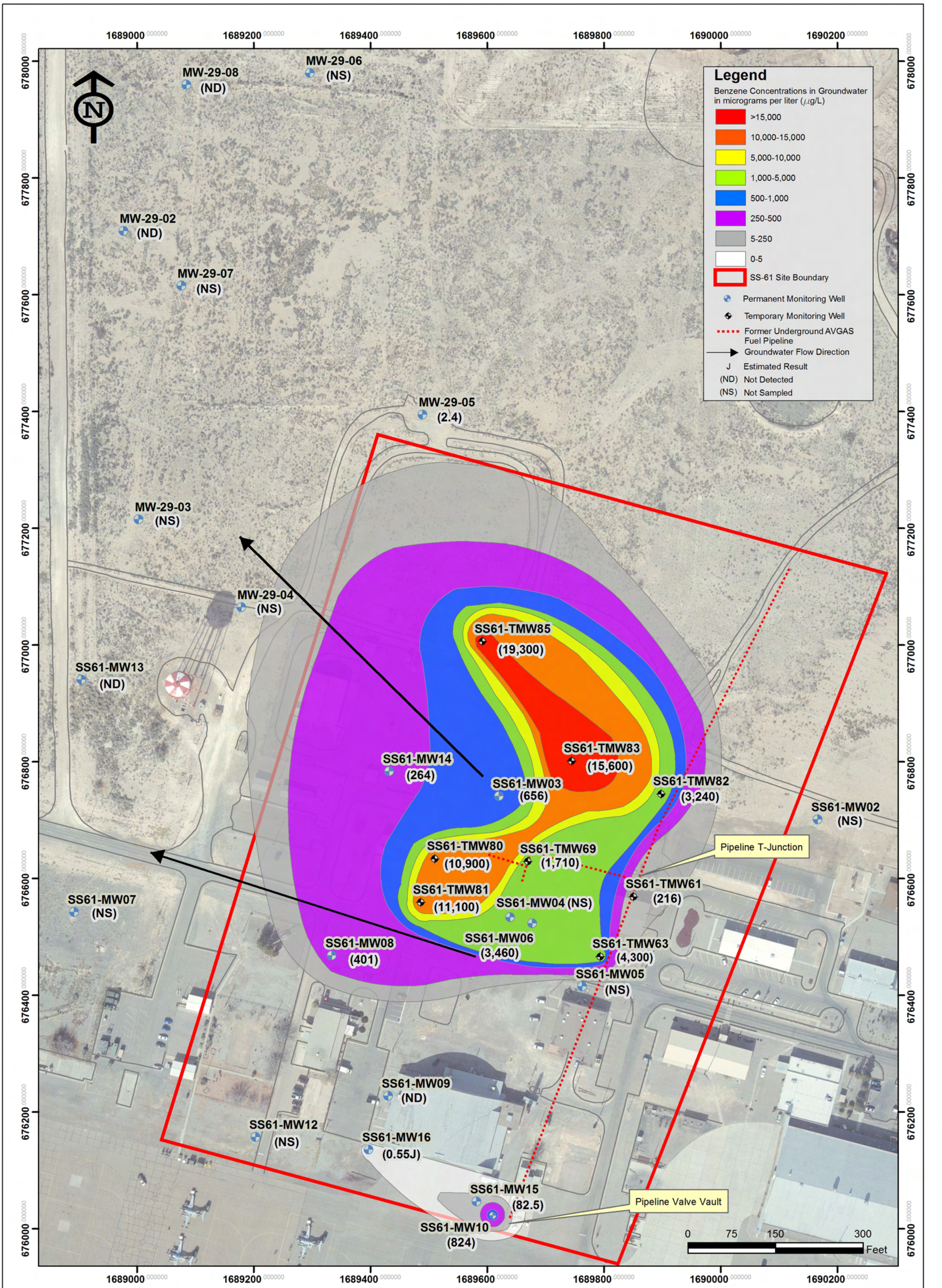
SS-61
Groundwater Analytical Results Above EPA and NMED Action Levels

PROJECT NO.	SCALE	DATE	DRAWN BY:
9080130	1"=160'	12/22/08	cm

DRAWING NO: Figure 6-8

Voluntary Corrective Measures
Addendum Letter Report
Site SS-61
Holloman AFB, New Mexico

Figure 6-8



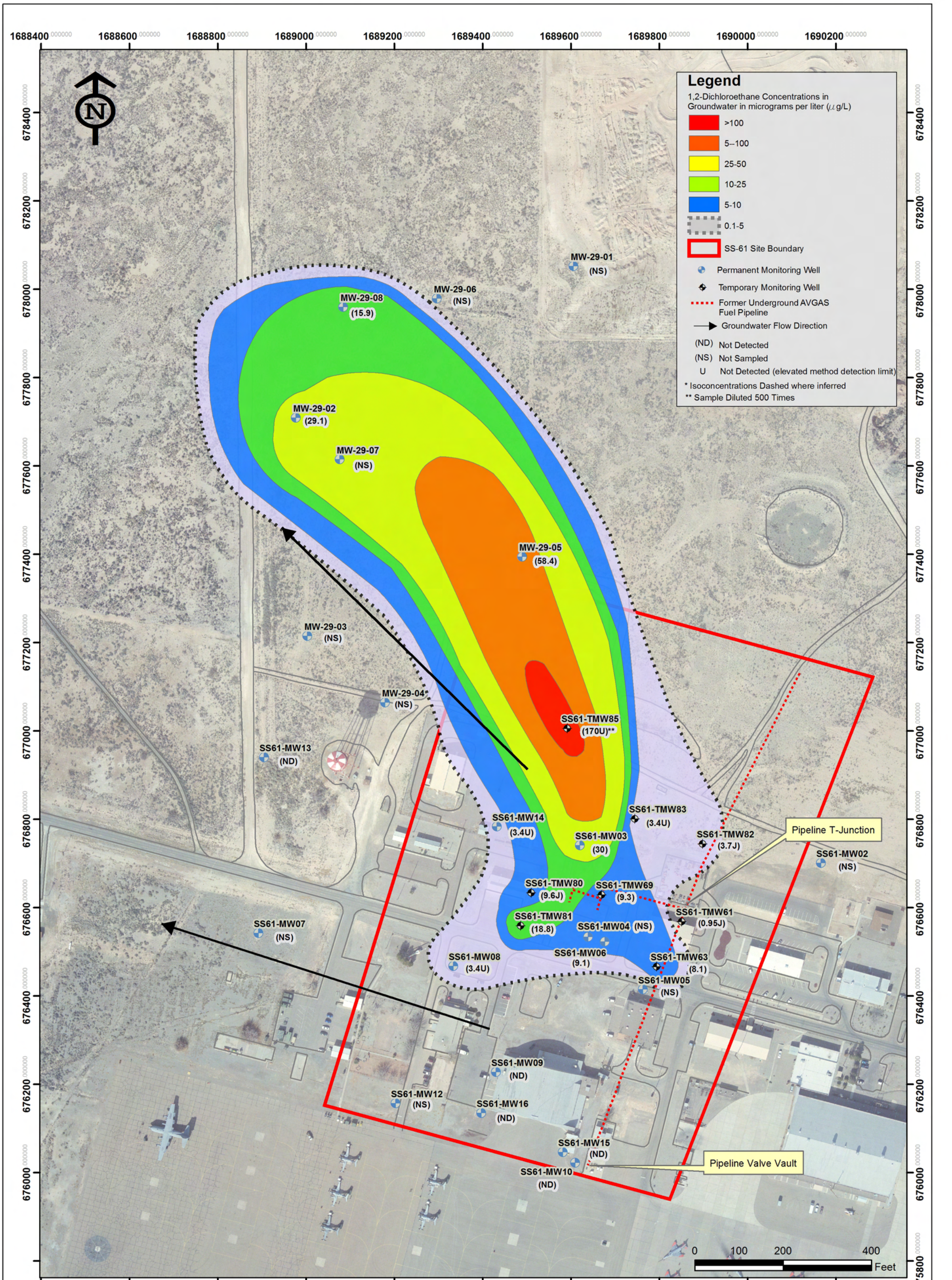
bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

SS-61
Benzene Groundwater Isocontour Map (Nov-Dec, 2008)

PROJECT NO.	SCALE	DATE	DRAWN BY:	DRAWING NO:
9080130	1"=150'	1/5/09	cm	Figure 6-9

Voluntary Corrective Measures
Addendum Letter Report
Site SS-61
Holloman AFB, New Mexico

Figure 6-9



bhate associates
ENGINEERING, SCIENCE AND CONSTRUCTION

SS-61
1,2-Dichloroethane
Groundwater Isocontour Map
(Nov-Dec, 2008)

PROJECT NO.	SCALE	DATE	DRAWN BY:
9080130	1"=200'	1/6/09	cm

DRAWING NO: Figure 6-10

Voluntary Corrective Measures
Addendum Letter Report
Site SS-61
Holloman AFB, New Mexico

Figure 6-10

HTW DRILLING LOG

HOLE NO: SS61-SB01

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
SHEET 1 OF 3 SHEETS	
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: A1
5. NAME OF DRILLER: Matt Cave	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 11/17/08 — 11. DATE COMPLETED: 11/17/08
12. OVERBURDEN THICKNESS: -	15. DEPTH GROUNDWATER ENCOUNTERED: ~22' bgs
13. DEPTH DRILLED INTO ROCK: -	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: -
14. TOTAL DEPTH OF HOLE: 40' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
3 SB01-FD -2 -3	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Grout			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	Asphalt					
		brown backfill					0-5
	1						30% recov
		very pale brown 10YR 7/3 silty Sand	0-5 PID: 0.0ppm				
	2	dry loose micaceous/debris					
	3						
	4						
	5						

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01) — HOLE NO: SS61-SB01

HTW DRILLING LOG

HOLE NO: SS61-SB01

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	Same as above					
	7		5-10 PID: 0.0ppm				
	8						
	9	Moist reddish brown					
	10	Silty Sand					
	11						
	12		10-15 PID: 0.0ppm				
	13						
	14						
	15	very slightly moist					
	16	Very pale brown Silty Sand loose					
	17		15-20 PID: 0.0ppm				
	18				SS61-SB01-18 @ 1150		
	19	reddish brown Silty Sand w/ small gypsum crystals interbedded					
	20						
	21						
	22	moist @ 22' bgs	20-25 PID: 2.5ppm				
	23						

HTW DRILLING LOG

HOLE NO: SS61-SB01

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24	reddish brown silty sand. wet					
		gray staining starting @ 24' bgs. odor					
	25	wet silty sand					
	26						
			25-30				
	27		PID: 221 ppm		SS61-SB01-27		
						@ 1200	
	28						
	29						
	30						
	31		30-35				
			PID: 26.6 ppm				
	32						
	33						
	34						
	35						
	36	Visual Staining ends @ ~36.5' bgs					
		reddish brown	35-40		SS61-SB01-37		
	37	Sand	PID: 8.2 ppm			@ 1225	
	38	large angular gypsum crystals					
	39	wet.					
	40	TD: 40' bgs					
	41						

HTW DRILLING LOG

HOLE NO: SS61-SB02

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
SHEET 1 OF 3 SHEETS	
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: B2
5. NAME OF DRILLER: Matt Cain	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 11/17/08 — 11. DATE COMPLETED: 11/17/08
12. OVERBURDEN THICKNESS: -	15. DEPTH GROUNDWATER ENCOUNTERED: 22' bgs
13. DEPTH DRILLED INTO ROCK: -	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: ~
14. TOTAL DEPTH OF HOLE: 40' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
3 SB02 - 20 - 26 - 40	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Grout			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	very pale brown 10YR 7/3					
	1	Silty sand					
		loose - uncons.					
		dry	0-5 PID: 1.2 ppm				
	2						
	3						
	4						
		light reddish brown					
	5	Silty Sand					

HTW DRILLING LOG

HOLE NO: SS61-SB02

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	Same as above					
	7		5-10 PID: 0.9 ppm				
	8	very pale brown					
	9	Silty Sand					
	10						
	11						
	12		10-15 PID: 2.0 ppm				
	13						
	14	Reddish brown					
	15	Silty Sand interwined with fine grained					
	16	gypsum					
	17	Reddish brown Silty Sand.	15-20 PID: 32 ppm				
	18						
	19						
	20	20'bgs - no visible staining very slight hydrocarbon odor			SS61-SB02-20 @ 1430		
	21	visible staining @ 21'bgs					
	22	grey silty Sand dark grey	20-25 PID: 1374 ppm				
	23	22'bgs - wet					

HTW DRILLING LOG

HOLE NO: SS61-SB02

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24	Grey stained silty sand					
	25						
	26	wet			SS61-SB02-26 @ 1455		
	27		25-30 PID: 1613				
	28						
	29						
	30	Saturated Silty Sand grey					
	31						
	32		30-35 PID: 179				
	33						
	34	light reddish brown silty sand					
	35						
	36	grey stained silty sand					
	37		35-40 PID: 17.7ppm				
	38	Reddish brown 2.5YR 4/4 Clayey Silt interlaced with coarse angular gypsum crystals moist					
	39						
	40	TD: 40' bgs			SS61-SB02-40 @ 1515		
	41						

HTW DRILLING LOG

HOLE NO: SS61-SB03

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: A-2
5. NAME OF DRILLER: Matt Cain	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 11/18/08 — 11. DATE COMPLETED: 11/18/08
12. OVERBURDEN THICKNESS: -	15. DEPTH GROUNDWATER ENCOUNTERED: 18
13. DEPTH DRILLED INTO ROCK: -	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: -
14. TOTAL DEPTH OF HOLE: 40'	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): -

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
4 - SB03-23,27,27-a and 40	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Grout			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	Asphalt					
	1	Brown road base (Backfill)					
	2	very pale brown · 10YR 7/3 Silty Sand. Dry Unconsolidated	0-5 PID: a0				
	3						
	4						
	5						

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01) HOLE NO: SS61-SB03

HTW DRILLING LOG

HOLE NO: SS61-SB03

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	Same as above					
	7	light reddish brown Silty Sand well sorted	S-10 PID: 0.0				
	8						
	9						
	10						
	11	white gypsum board					
	12	Reddish brown Silty Sand	10-15 PID: 0.0				
	13						
	14						
	15						
	16		15-20 PID: 0.0				
	17						
	18	moist @ 18' bgs					
	19						
	20						
	21	Thin moist gray zone.	20-25 PID: 367				
	22				SS61-SB03-23 0820		
	23						

HTW DRILLING LOG

HOLE NO: SS61-SB03

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24	23.5' bgs - light grey staining Strong odor.					
	25						
	26		25-30 PID: 1112				
	27	dark grey staining wet			SS61-SB03-27 SS61-SB03-27-a @0830		
	28						
	29						
	30						
	31						
	32		30-35 PID: 103				
	33						
	34						
	35	Odor @ 35' bgs					
	36	Grading into clean soil					
	37	visually not stain	35-40 PID: 10.5				
	38						
	39	very slight hydrocarbon odor @ 40' bgs -					
	40	TD: 40' bgs			SS61-SB03-40 @0855		
	41						

HTW DRILLING LOG

HOLE NO: SS61-SB04

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
SHEET 1 OF 3 SHEETS	
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: A 3
5. NAME OF DRILLER: Matt Cain	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 11/18/08 — 11. DATE COMPLETED: 11/18/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: ~25
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED
14. TOTAL DEPTH OF HOLE: 40' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
3 SB04-19 31 40	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Grout			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	Asphalt					
		Road base backfill					
	1	Brown					
			0-5 PID: 0.0				
	2	very pale brown Silty Sand (SM)					
	3						
	4						
	5						

HTW DRILLING LOG

HOLE NO: SS61-SB04

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	Same as above dry unconsolidated					
	7						
	8		5-10 PID: 1.4				
	9	Reddish brown 2.5YR 4/4 Silty Sand					
	10	very fine grained SM					
	11						
	12		10-15 PID: 2.0				
	13	Thin very pale brown layer moist					
	14						
	15	Reddish brown Silty Sand					
	16						
	17		15-20 PID: 62.1				
	18						
	19	fine grained gypsum crystals - weathered			SS61-SB04-19		
	20	slight odor @ 20' bgs				@1020	
	21						
	22	very light grey staining Reddish brown silty Sand	20-25 PID: 1044				
	23	Intermixed w/ coarse gypsum					

HTW DRILLING LOG

HOLE NO: SS61-SB04

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24	Reddish brown Silty Sand wet @ ~25' bgs					
	25						
	26						
	27		25-30 PID: 825				
	28						
	29	Grey staining strong odor (more of a solvent odor) ~~Bag~~ 2B					
	30						
	31	saturated			SS61-SB04-31 @1035		
	32		30-35 PID: 1786				
	33						
	34						
	35						
	36						
	37						
	38	Reddish brown 2.5YR 4/4 Clayey Silt interbedded w/ coarse angular gypsum crystals	35-40 PID:				
	39						
	40				SS61-SB04-40 @1050		
	41	TD: 40' bgs					

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

HOLE NO: SS61-SB04

HTW DRILLING LOG

HOLE NO: SS61-SB05

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells	SHEET 1 OF 3 SHEETS
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: B3	
5. NAME OF DRILLER: Matt Cain	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85	
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East	
	9. SURFACE ELEVATION (ft. NGVD)	
	10. DATE STARTED: 11/18/08	11. DATE COMPLETED: 11/18/08
12. OVERBURDEN THICKNESS: -	15. DEPTH GROUNDWATER ENCOUNTERED: 23' bgs	
13. DEPTH DRILLED INTO ROCK: -	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: -	
14. TOTAL DEPTH OF HOLE: 40' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): -	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
3 - SB05 - 22, 26, 40	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Grout			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	Asphalt					
	1	Road Base					
		Brown sand w/ large pebbles					
	2		0-5 PID: 2.1 ppm				
	3						
	4						
	5						

HTW DRILLING LOG

HOLE NO SS61-SB05

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	Same as above					
	7	very pale brown silty Sand 10 YR 7/3 (SM)	5-10 PID: 4.9 ppm				
	8						
	9	Grading into a reddish brown Silty Sand (SM)					
	10	very fine grained gypsum crystals.					
	11						
	12		10-15 PID: 4.7ppm				
	13						
	14						
	15						
	16						
	17		15-20 PID: 10.3ppm				
	18	very light grey Staining little to no odor					
	19						
	20	light grey sand No odor (SW)			SS61-SB05-20 @1815		
	21						
	22	Reddish brown Silty Sand (SM) intermixed	20-25 PID: 1263ppm				
	23	moist @ 23' bgs					

HTW DRILLING LOG

HOLE NO: SS61-SB05

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		Same as above.					
	24	slight odor					
	25	light grey sand noticeable hydrocarbon odor (SW)			SS61-SB05-26 @ 1330		
	27		25-30 PID: 982				
	28						
	29						
	30	Saturated dark gray silty sands. very strong hydrocarbon odor					
	31						
	32						
	33	Smear zone	30-35 PID: 281				
	34	Reddish brown silty sand moist.					
	35						
	36		~37 PID: 127 ppm				
	37						
	38		35-40 PID: 158 ppm				
	39	very slight odor light grey soil					
	40	TD: 40' bgs			SS61-SB05-40 @ 1345		
	41						

HTW DRILLING LOG

HOLE NO: SS61-SB06

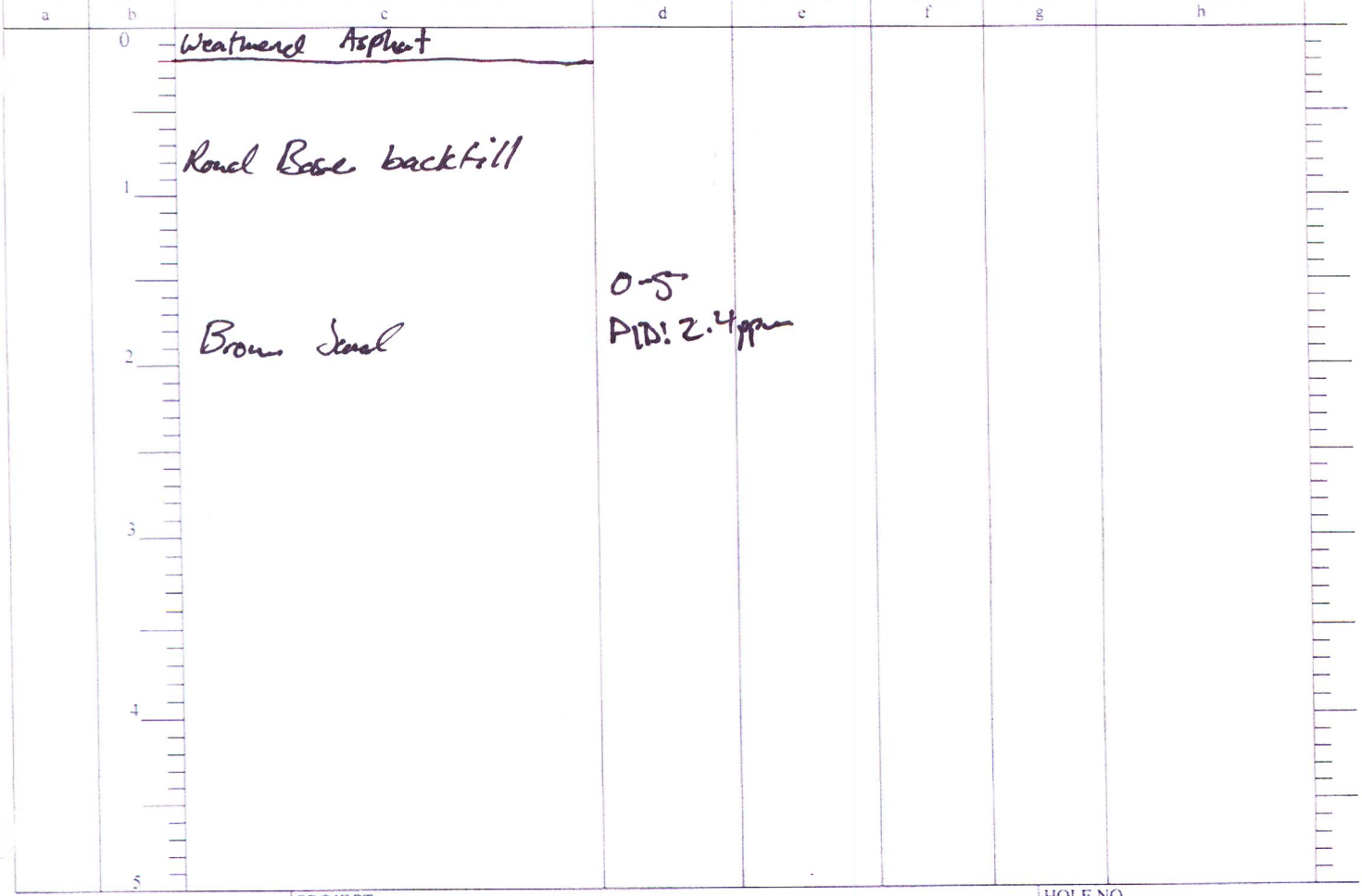
1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
SHEET 1 OF 3 SHEETS	
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: D3
5. NAME OF DRILLER: Matt Cain	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 11/18/08 — 11. DATE COMPLETED: 11/18/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —
14. TOTAL DEPTH OF HOLE: 40' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
6 - (3N, 2 MS/MSD, 1 FD)	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Grout			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	Weathered Asphalt					
	1	Road Base backfill					
	2	Brown Sand	0-5 PID: 2.4 ppm				
	3						
	4						
	5						



PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01) HOLE NO: SS61-SB06

HTW DRILLING LOG

HOLE NO: SS61-SB06

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No e	Analytical Sample No. f	Blow Counts g	REMARKS h
		Same as above					
	6	very pale brown silty Sand					
	7	medium grained dry	5-10 PID: 2.9ppm				
	8	unconsolidated.					
	9	Grading into					
	10	reddish brown silty sand					
	11	slightly plastic					
	12		10-15 PID: 2.7ppm				
	13						
	14						
	15						
	16						
	17						
	18	White silty sand No odor	15-20 PID: 2.4ppm				
	19						
	20	Reddish brown Silty Sand			SS61-SB05-20 @1600		
	21						
	22		20-25 PID: 1035				
	23	light grey staining Strong hydrocarbon odor					

HTW DRILLING LOG

HOLE NO: SS61-SB06

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beals

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24	Strong hydrocarbon odor visible staining					
	25				SS61-SB05-25 SS61-SB05-25-a @ 1620		
	26						
	27		25-30 PID: 779				
	28						
	29	Dark grey layer					
	30						
	31						
	32	bottom of stained soil					
	33	Reddish brown silty sand saturated	30-35 PID: 465				
	34						
	35						
	36						
	37						
	38		35-40 PID: 25.1				
	39	very light grey very slight odor					
	40	TD: 40' bgs			SS61-SB06-40 @ 1630		
	41						

HTW DRILLING LOG

HOLE NO: SS61-SB07

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
SHEET 1 OF 3 SHEETS	
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: F4
5. NAME OF DRILLER: Matt Cain	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 11/19/08 — 11. DATE COMPLETED: 11/19/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: 13' bgs
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —
14. TOTAL DEPTH OF HOLE: 40' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
3- SB08-16 -27 -40	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Grout			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	GRAVEL / RAILROAD BED					
	1	VERY PALE BROWN + BROWN SILTY SAND, LOOSE, DRY					
	2		0-5 PID: 0.0 ppm				
	3						
	4						
	5						

HTW DRILLING LOG

HOLE NO: SS61-SB07

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck / GREG KIOSMAN

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	LIGHT BROWN (5YR 5/6) SAND - FINE GRAIN, DRY					
	7						
	8		5-10 PID: 1.1 ppm				
	9						
	10						
	11						
	12						
	13		10-15 PID: 1.6 ppm				
	14	GRADING TO VERY PALE ORANGE SAND, MOIST (10YR 8/2)					
	15	MODERATE BROWN (5YR 4/4)					
	16	FINE SAND w/ GYPSUM XLS		SS61-SB07-16 @0815			
	17						
	18	HY DRO CARBON-STAINING @ 18'-19' W/STRONG ODOR - PALE OLIVE (10YR 6/2)	15-20 PID: 1732 ppm				
	19						
	20	MOD. BROWN + PALE OLIVE SAND - LIGHT STAINING					
	21						
	22		20-25 PID: 1104 ppm				
	23						

HTW DRILLING LOG

HOLE NO: SS61-SB07

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck / GREG KOSMAN

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		SAME AS ABOVE					
	24						
	25	MED. DARK GRAY (N4) SILTY SAND) - WET PARTIALLY CEMENTED ZONES					
	26						
	27	CLAYEY SAND) LAYER	25-30 PID: 175ppm	SS61-SB07-27 @0840			
	28	GRADING TO VERY LIGHT GRAY (N8) SILTY SAND					
	29						
	30						
	31						
	32						
	33	MOD. BROWN (5YR 4/4) FINE SAND	30-35 PID: 203ppm				
	34						
	35						
	36						
	37						
	38		35-40 PID: 8.2ppm				
	39	VERY LIGHT GRAY (N8) FINE SAND					
	40	TD = 40		SS61-SB07-40 @0915			
	41						

HTW DRILLING LOG

HOLE NO: SS61-SB08

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
SHEET 1 OF 3 SHEETS	
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: FS
5. NAME OF DRILLER: Matt Cain	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 11/19/08 — 11. DATE COMPLETED: 11/19/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —
14. TOTAL DEPTH OF HOLE	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Grout			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	Gravel / Road Base backfill					
	2	very pale brown 10YR 7/3 Silty Sand Soft Unconsolidated Dry	0-5 PID: 0.0 ppm				

HTW DRILLING LOG

HOLE NO: SS61 - SB08

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6						
	7	Grading into					
		L. reddish brown	5-10				
	8	Silty Sand	PID: 1.4 ppm				
		soft					
	9	dry					
		Reddish brown					
	10	Silty Sand					
		intermixed w/ very fine					
		grained gypsum x/s.					
	11						
	12		10-15				
			PID: 1.7 ppm				
	13	↓ coarsening w/ depth					
	14						
	15						
		wet @ 15.5' bgs					
	16						
		Reddish brown					
	17	Silty Sand	15-20				
		intermixed with	PID: 10.6				
	18	thin					
		gypsum bands					
	19	slight hydrocarbon odor					
		@ 19' bgs.					
	20	dry @ 20' bgs					
	21						
	22						
	23		20-25		SS61-SB08-23 @1045		
			PID: 6.17				

HTW DRILLING LOG

HOLE NO: SS61-SB08

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No e	Analytical Sample No. f	Blow Counts g	REMARKS h
		Medium grained gypsum xls.					
	24	Strong ~~very slight~~ hydrocarbon odor starting @ 24' bgs					
	25	dark grey staining					
	26	Strong odor wet					
	27	Reddish brown silty sand (SM)	25-30 PID: 1602		SS61-SB08-27 @ 1100		
	28	moist					
		light grey staining					
	29	Silty Sands strong odor					
	30	wet					
	31	light brown Silty Sand					
	32	no visible staining	30-35				
	33	wet	PID: 37.0				
	34	slight oder @ 34' bgs					
	35	coarse gypsum xls throughout					
	36						
	37	Redelish brown	35-40				
	38	Silty Sand w/ very coarse	PID: 11.3				
	39	gypsum crystals throughout					
		dry					
	40	TD: 40' bgs			SS61-SB08-40 @ 1115		
	41						

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

HOLE NO: SS61-SB08

HTW DRILLING LOG

HOLE NO: SS61-SB09

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
SHEET 1 OF 3 SHEETS	
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: F6
5. NAME OF DRILLER: Matt Cain	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 11/19/08 — 11. DATE COMPLETED: 11/19/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: 18' bgs
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —
14. TOTAL DEPTH OF HOLE: 40' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
3 - SB09: 23, 28, 35	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Grout			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	Gravel					
		Road Base (Backfill					
	1						
	2		0-5 PID: 5.4				
	3	very pale brown 10YR 7/3					
		Silty Sand					
	4	dry					
		unconsolidated					
	5						

HTW DRILLING LOG

HOLE NO: SS61-SB09

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		Same as above					
	6	light reddish brown					
	7		S-10 PID: 4.4				
	8						
	9						
	10	very pale grey - with silky sand - no odor					
	11		10-15 PID: 6.0				
	12						
	13	Reddish brown 2.5YR 4/4 Silty Sand interbedded w/ thin gypsum layers slightly plastic					
	14						
	15						
	16						
	17		15-20 PID: 5.6				
	18	moist @ 18' bgs					
	19						
	20						
	21						
	22	fine grained gypsum crystals.	20-25 PID: 834				
	23	Same			SS61-SB09-23 @ 1330		

HTW DRILLING LOG

HOLE NO: SS61-SB09

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24	light grey staining Odor (hydrocarbons)					
	25	wet very strong odor @ 25-26' bgs					
	26		25-30 PID: 1141				
	27						
	28				SS61-SB09-28		@ 1345
	29						
	30	very light hydrocarbon odor					
	31	Saturated grey silts					
	32						
	33	light reddish brown	30-35 PID: 16.1				
	34						
	35	very slight hydrocarbon odor			SS61-SB09-35		@ 1405
	36						
	37						
	38	very large coarse gypsum crystals	35-40 PID: 9.0				
	39	very dense					
	40						
	41	TD: 40' bgs					

HTW DRILLING LOG

HOLE NO SB10 SS61-~~SB09~~

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells	SHEET 1 OF 3 SHEETS
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: E4	
5. NAME OF DRILLER: Matt Cain	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85	
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East	
	9. SURFACE ELEVATION (ft. NGVD)	
	10. DATE STARTED: 11/19/08	11. DATE COMPLETED
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED	
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —	
14. TOTAL DEPTH OF HOLE	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Grout			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	Backfill					
	1	Gravel Road Base					
			0-5 PID: 0.4 ppm				
	2	very pale brown (10YR 7/3) silty sand dry unconsolidated (soft)					
	3						
	4						
	5						

HTW DRILLING LOG

HOLE NO SB10
SS61-SB09

PROJECT
SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR
Zachary Beck

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6						
	7	light reddish brown silty sand dry	5-10 PID: 0.7 ppm				
	8						
	9						
	10						
	11						
	12	Reddish brown 2.5YR 4/4 silty sand	10-15 PID: 1.5 ppm				
	13						
	14						
	15						
	16						
	17	moist	15-20 PID: 294 ppm		SS61-SB10-18		@1620
	18	very thin gray staining @18' bgs					
	19						
	20	slight hydrocarbon odor @20' bgs					
	21	Reddish brown silty sand					
	22		20-25 PID: 928 ppm				
	23						

HTW DRILLING LOG

HOLE NO. SS61-SB10

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24						
	25	Grey hydrocarbon staining strong odor wet					
	26	very dark grey staining very strong odor!					
	27						
	28	Grey hydrocarbon stained soil	25-30 PID: 1460		SS61-SB10-28 @ 1650 SS61-SB10-28-a		
	29						
	30						
	31	light reddish brown silty sand saturated.					
	32						
	33		30-35 PID: 104				
	34						
	35				SS61-SB10-35 @ 1705		
	36						
	37						
	38		35-40 PID: 57.3				
	39						
	40	TD: 40' bgs					
	41						

HTW DRILLING LOG

HOLE NO: SSG1-SB11

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
SHEET 1 OF 3 SHEETS	
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: G7
5. NAME OF DRILLER: Matt Cain	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 11/20/08 — 11. DATE COMPLETED: 11/20/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: 9' bgs
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —
14. TOTAL DEPTH OF HOLE: 40' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
3 - SB11 - 25 - 28 - 35	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Grout			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	Road base (Backfill)					
	1	Very pale brown silty Sands (10YR 7/3) loose soft.	0-5 PID: 0.0ppm				
	2						
	3						
	4	moist					
	5	wet @ 5' bgs (Possibly due to leaking water lines!)					

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01) HOLE NO: SSG1-SB11

HTW DRILLING LOG

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

HOLE NO: SS61-SB11

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No e	Analytical Sample No f	Blow Counts g	REMARKS h
	6	Same as above					
	7	light reddish brown (2.5YR 6/4) Silty Sand dry soft	5-10 PID: 0.8ppm				
	8						
	9						
	10						
	11						
	12						
	13		10-15 PID: 1.5ppm				
	14	white Silty Sands consolidated					
	15						
	16	light reddish brown (2.5YR 6/4) Silty Sand					
	17	interbedded w/ fine grained gypsum v/s.	15-20 PID: 1.6ppm				
	18						
	19	moist					
	20						
	21	light brown Silty Sand					
	22		20-25 PID: 0.2ppm				
	23						

HTW DRILLING LOG

HOLE NO: SS61-SB11

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24						
	25	Reddish brn (7.5YR 4/4) Silty Sand very slight odor @ 25'bgs no visible staining.			SS61-SB11-25 @ 0930		
	26						
	27	Dark grey/green hydrocarbon staining Strong odor (hydrocarbon + methane)					
	28	wet Saturated	25-30 PID: 1446 ppm		SS61-SB11-28 @ 0945		
	29						
	30	light grey staining					
	31						
	32	wet					
	33						
	34	end of visible staining	30-35 PID: 24 ppm				
	35	light reddish brn silty sand w/ white cemented sands			SS61-SB11-35 @ 1080		
	36						
	37	Reddish brn Silty Sand w/ very coarse angular gypsum soils.					
	38						
	39	dry @ 40'bgs	35-40 PID: 9.2 ppm				
	40	TD: 40'bgs					
	41						

HTW DRILLING LOG

HOLE NO: SS61-SB12

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells	SHEET 1 OF 3 SHEETS
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: F8	
5. NAME OF DRILLER: Matt Cain	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85	
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East	
	9. SURFACE ELEVATION (ft. NGVD)	
	10. DATE STARTED: 11/20/08	11. DATE COMPLETED: 11/20/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: 20' bgs	
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —	
14. TOTAL DEPTH OF HOLE: 40' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Grout			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	Asphalt					
	1	Road base gravel					
	2		0-5 PID: 1.4				0-5 25% recov
	3	very pale brown 10YR 7/3 silty sand loose (unconsolidated) soft					
	4						
	5						

HTW DRILLING LOG

HOLE NO: SS61-SB12

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	Same as above light reddish brown 2.5YR 6/4 Silty Sand					
	7	Soft unconsolidated.	5-10 PID: 2.4				
	8						
	9						
	10						
	11						
	12						
	13	White Silty Sand	10-15 PID: 2.5				
	14	dense.					
	15						
	16	Reddish brown 2.5YR 4/4 Silty Sand					
	17	intermixed w/					
	18	fine grained gypsum v/s.	15-20 PID: 3.5				
	19						
	20	wet @ 20' bgs					
	21						
	22						
	23		20-25 PID: 7.9				

HTW DRILLING LOG

HOLE NO: SS61-SB12

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24						
	25	Grey staining @ 25' bgs			SS61-SB12-25		@ 1200
	26						
	27						
	28	Dark grey staining Strong odor	25-30 PID: 1172		SS61-SB12-28		@ 1215
	29	Saturated silty sands.					
	30						
	31						
	32						
	33				SS61-SB12-33		@ 1235
	34		30-35 PID: 23.1				
	35						
	36	End of visible Staining @ ~~36~~ 35' bgs light reddish brown (2.5 YR 6/4)					
	37	Silty Sand wet					
	38	Interbedded w/ coarse gypsum xls.	35-40 PID: 9.6				
	39						
	40	TD: 40' bgs.					
	41						

HTW DRILLING LOG

HOLE NO: SS61-SB13

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
SHEET 1 OF 3 SHEETS	
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: C2
5. NAME OF DRILLER: Matt Cain	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 11/20/08 — 11. DATE COMPLETED: 11/20/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: ~15' bgs
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED
14. TOTAL DEPTH OF HOLE: 35' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
6 - SB13 -20 MS/MSD -29 -35 FD	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Temp well (SS61-TMW80)		1" Prepack		

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	Gravel Road Base					
	1						
		Very pale brown 10YR 7/3 Silty Sand	0-5 PID: 0.0ppm				
	2						
	3						
	4						
	5						

HTW DRILLING LOG

HOLE NO: SS61-SB13

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	Same as above					
	7	light reddish brown (2.5YR 6/4) Silty Sand	5-10 PID: 0.8ppm				
	8						
	9						
	10						
	11						
	12						
	13		10-15 PID: 0.4ppm				
	14						
	15						
	16	White Silty Sand					
	17		15-20 PID: 134ppm				
	18						
	19	Reddish brown 2.5YR 4/4 Silty Clay very slight odor @ 20'bgs. no visible staining			SS61-SB13-20 @ 1510 SS61-SB13-20-MS SS61-SB13-20-MSD		
	20						
	21						
	22	green hydrocarbon staining. strong odor @ 23'bgs.	20-25 PID: 1741ppm				
	23						

HTW DRILLING LOG

HOLE NO: SS61-SB13

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24						
	25	Saturated					
	26	Gray hydrocarbon staining continues.					
	27		25-30 PID: 2281 28				
	28		602				
	29				SS61-SB13-29 SS61-SB13-29-a		@1520
	30		@ 30' bgs PID: 281				
	31						
	32		30-35 PID: 264				
	33	End of visual contamination					
	34	light reddish brown Silty Sand (2.5YR 6/4)					
	35	coarse gypsum vls.			SS61-SB13-35		@1545
		TD: 35' bgs.					
	36						
	37						
	38		35-40 28 PID:				
	39						
	40						
	41						

HTW DRILLING LOG

HOLE NO: SSG1-SB14

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells	SHEET 1 OF 3 SHEETS
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: C3	
5. NAME OF DRILLER: Matt Cain	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85	
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East	
	9. SURFACE ELEVATION (ft. NGVD)	
	10. DATE STARTED: 11/21/08	11. DATE COMPLETED: 11/21/08
12. OVERBURDEN THICKNESS: –	15. DEPTH GROUNDWATER ENCOUNTERED: 20' bgs	
13. DEPTH DRILLED INTO ROCK: –	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: –	
14. TOTAL DEPTH OF HOLE: 40' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): –	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
3 - SB14 - 20 - 28 - 40	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Grout			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No f	Blow Counts g	REMARKS h
	0	Gravel					
	1	Backfill					
		(Road base)					
	2		0-5 PID: 0.0 ppm				
	3	Very pale brown 10YR 7/3					
		Silty Sand					
	4	soft					
		unconsolidated					
	5						

HTW DRILLING LOG

HOLE NO SS61-SB14

PROJECT
SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR Zachary Beck

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	Same as above					
	7		5-10 PID: 0.0ppm				
	8						
	9						
	10	light reddish brown 2.5 YR 6/4					
	11	Silty Sand					
	12						
	13		10-15 PID: 0.0ppm				
	14	intermixed w/ medium grained gypsum #/ss					
	15						
	16						
	17						
	18	Reddish brown 2.5YR 4/4	15-20				
	19	Silty Clay	PID: 0.0ppm				
	20				SS61-SB14-20	@	0815
	21	very slight hydrocarbon odor.					
	22						
	23		20-25 PID: 1058				

HTW DRILLING LOG

HOLE NO: SS61-SB14

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24						
	25	Begin visible hydrocarbon staining (light grey) strong odor @ 25' bgs					
	26	Staturated					
	27	27-28 Black staining strong odor	25-30 PID: 1541		SS61-SB14-28		@ 0830
	28						
	29						
	30	Saturated					
	31						
	32		30-35 PID: ~~3743~~ 76.8				
	33						
	34	End of visible staining					
	35	reddish brown (2.5YR 4/4) Silty Sand					
	36	Saturated					
	37						
	38		35-40 PID: 242				
	39						
	40	TD: 40' bgs			SS61-SB14-40		@ 0840
	41						

HTW DRILLING LOG

HOLE NO: SS61-SB15

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
SHEET 1 OF 3 SHEETS	
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: E3
5. NAME OF DRILLER: Matt Cain	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 11/21/08 — 11. DATE COMPLETED: 11/21/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: ~20' bgs
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —
14. TOTAL DEPTH OF HOLE: 40' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
3 - SB15 -22 -25 -33	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
1				

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0						
	1	Gravel / Brown backfill / topsoil					
	2		0-5 PID: 0.0 ppm				0-5 25% rec cov.
	3	very pale brown 10YR 7/3 Silty Sand					
	4	v. soft					
	5						

HTW DRILLING LOG

HOLE NO: SS61-SB15

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 2 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	Same as above					
	7	light reddish brown (2.5YR 6/4)	5-10 PID: 0.0				
	8						
	9						
	10						
	11						
	12		10-15 PID: 0.0				
	13	Reddish brown silty clay					
	14						
	15	moist					
	16						
	17		15-20 PID: 4.8 ppm				
	18						
	19						
	20						
	21						
	22	slight odor @ 22' bgs	20-25 PID: 1905		SS61-SB15-22 @ 1030		
	23						

HTW DRILLING LOG

HOLE NO: SS61-SB15

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 3 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24	Begin visible grey/green hydrocarbon staining @ 23.5' bgs					
	25				SS61-SB15-25		@ 1040
	26						
	27		25-30 PID: 1369				
	28						
	29						
	30	Saturated					
	31						
	32	End of visible staining light reddish brown (2.5YR 6/4)					
	33	Silty Sand			SS61-SB15-33		@ 1050
	34	Interbedded w/ coarse gypsum xls.	30-35 PID: 102				
	35	wet					
	36						
	37						
	38						
	39	Cemented Gypsum Silty Sand	35-40 PID: 14.4				
	40	Dry TD: 40' bgs					
	41						

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

HOLE NO. SS61-SB15

HTW DRILLING LOG

HOLE NO: SS61-SB16 (TMW81)

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells	SHEET 1 OF 3 SHEETS
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: D2	
5. NAME OF DRILLER: Matt Cain	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85	
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East	
	9. SURFACE ELEVATION (ft. NGVD)	
	10. DATE STARTED: 11/21/08	11. DATE COMPLETED: 11/21/08
12. OVERBURDEN THICKNESS: ~	15. DEPTH GROUNDWATER ENCOUNTERED	
13. DEPTH DRILLED INTO ROCK: ~	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: ~	
14. TOTAL DEPTH OF HOLE: 35 'bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): ~	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
4. SB16 -20 -27 -27a -35	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Temp well (TMW80)	~~Hole~~ 23	1" Re Pack		

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	Gravel					
	1	Backfill (Road Base)					
	2		0-5 PID: 0.0 ppm				0-5 25% recov.
	3	Very pale brown 10YR 7/3 Silty Sand Soft					
	4						
	5						

HTW DRILLING LOG

HOLE NO: SS61-SB16 (TMW81)

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	Same as above					
	7						
	8		5-10 PID: 0.5 ppm				
	9	wet @ 9' bgs (possibly due to leaking water lines)					
	10						
	11	1. reddish brown (2.5YR 6/4) Silty Sand					
	12		10-15 PID: 0.0 ppm				
	13						
	14	white cemented sand unit					
	15						
	16	Reddish brown (2.5YR 4/4) Clayey silt interbedded w/ coarse gypsum nds.					
	17						
	18		15-20 PID: 22.2 ppm				
	19						
	20	Beginning of visible hydrocarbon staining hydrocarbon/methane smell.			SS61-SB16-20 @ 1320		
	21						
	22						
	23		20-25 PID: 725 ppm				

HTW DRILLING LOG

HOLE NO: SS61-SB16 (TMW01)

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24						
	25						
	26		25-~~27~~ PID: 750				
	27	27-28' bgs Grey Green staining w/ v. strong solvent/hydrocarbon odor			SS61-SB16-27		
	28				SS61-SB16-27-a @ 1320		
	29		29-30 PID: 372				
	30						
	31	End of visible contamination					
	32	l. reddish brown Silty sand	30-35 PID: 87.3				
	33	v. slight odor					
	34	w/ large gypsum x/s.					
	35	TD: 35' bgs			SS61-SB16-35 @ 1345		
	36						
	37						
	38		35-40 ~~PID:~~ 213				
	39						
	40						
	41						

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

HOLE NO: SS61-SB16 (TMW B1)

HTW DRILLING LOG

HOLE NO: SS61-SB17

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
SHEET 1 OF 3 SHEETS	
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: E8
5. NAME OF DRILLER: Matt Cain	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 11/21/08 — 11. DATE COMPLETED: 11/21/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: ~15 Feet BLS
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —
14. TOTAL DEPTH OF HOLE: 40 BLS	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
3 SB17-25 -29 -35	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Grout			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	Asphalt					
	1	Road Base Gravel fill	0-5 PID: 0.0				
	2						
	3	very pale brown 10YR 7/3 Silty Sand Soft Unconsolidated					
	4						
	5	Yellowish brown (2.5 YR 6/4) Silty Sand					

HTW DRILLING LOG

HOLE NO: SSG1 - SB17

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	Same as above					
	7		5-10 PID: 0.0				
	8	dry unconsolidated					
	9						
	10						
	11						
	12						
	13		10-15 PID: 0.8				
	14	white cemented Silty Sand WBS @ 15'					
	16						
	17	Reddish brown (2.5YR 4/4) Silty Sand	15-20 PID: 0.5				
	18						
	19	interbedded w/ angular gypsum vols.					
	20						
	21						
	22		20-25 PID: 32.0				
	23						

HTW DRILLING LOG

HOLE NO SS61-SB17

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beek

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24						
	25	BEGINNING OF VISABLE HYDROCARBON STAINING, ODOR (STRONG)			SS61-SB17-25@1545		
	26	MEDIUM LIGHT GRAY (N6), SILTY SAND, FINE GRAIN w/ GYPSUM XLS. AREAS OF PARTIALLY CEMENTED SANDS					
	27		25-30 PID: 1560				
	28						
	29				SS61-SB17-29@1555		
	30						
	31						
	32		30-35 PID: 33.5				
	33	END OF VISIBLE HYDROCARBON STAINING.					
	34	VERY PALE ORANGE (10YR 8/2) SILTY SAND), MINOR GYPSUM XLS, NO ODOR 35'			SS61-SB17-35@1610		
	35						
	36	LIGHT BROWN (5YR5/6) SILTY SAND, M-F GRAIN, WET, NO ODOR, SOME PARTIALLY NODULES					
	37						
	38		35-40 PID: 9.3				
	39						
	40	TD 40' BLS					
	41						

HTW DRILLING LOG

HOLE NO: SS61-SB18

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
SHEET 1 OF 3 SHEETS	
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: D8
5. NAME OF DRILLER: MATT CAIN	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 11/22/08 — 11. DATE COMPLETED: 11/22/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: ~14' BLS
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —
14. TOTAL DEPTH OF HOLE: 40 FEET BLS	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS: SS61-SB18-24, -28, -35	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
3	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
BACKFILLED	GROUT			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	~~ASPHALT~~ BACKFILL					
	1	VERY PALE ORANGE (10YR 8/2) SILTY SAND), DRY					
	2		0-5 PID: 0.0				
	3						
	4						
	5						

HTW DRILLING LOG

HOLE NO: SS61-SB18

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: GREG KINSMAN

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	LIGHT BROWN SILTY SAND, DRY, FINE GRAIN (5YR5/6)					
	7						
			5-10 PID: 0.0				
	8						
	9						
	10						
	11						
	12						
	13		10-15 PID: 0.0				
	14	VERY PALE ORANGE (10YR 8/2) SILTY SAND, WET, FINE GRAIN					
	15						
	16	LIGHT BROWN (5YR5/6) SILTY SAND, FINE GRAIN					
	17		15-20 PID: 11				
	18						
	19						
	20						
	21						
	22		20-25 PID. 251				
	23						

HTW DRILLING LOG

HOLE NO: SS61-SB18

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: GREG KINSMAN

SHEET 3 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24				~~SS61-SB18-0840~~ ~~GX 4/22/08~~		
	25	SLIGHT HYDROCARBON ODOR @24'			SS61-SB18-24@0840		
		VISIBLE STAINING - STRONG ODOR					
	26	MEDIUM GRAY (N5)					
		SILTY SAND) W/SOME PARTIALLY					
	27	CEMENTED NODULES	25-30 PID: 1506				
	28				SS61-SB18-28@0850		
	29						
	30						
	31						
	32						
	33		30-35 PID: 13.9				
	34						
		END OF STAINING					
	35	YELLOWISH GRAY (5Y 7/2) SILTY SAND), FINE GRAIN			SS61-SB18-35@0900		
	36	MODERATE BROWN (5YR 4/4)					
		SILTY SAND, F-M GRAIN,					
	37	ABUNDANT GYPSUM XLS					
	38						
	39		35-40 PID: 12.5				
	40						
		TD = 40' BLS					
	41						

HTW DRILLING LOG

HOLE NO: SS61-SB19

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
SHEET 1 OF 3 SHEETS	
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: D9
5. NAME OF DRILLER: MATT CAIN	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 11/22/08 — 11. DATE COMPLETED: 11/22/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: ~14' BLS
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —
14. TOTAL DEPTH OF HOLE: 40' BLS	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
5 SS61-SB19-25, -28, MS, MSD, -40	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
BACKFILLED	GROUT			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	ROAD BED / GRAVEL					
	1	VERY PALE ORANGE (10YR 8/2) SILTY SAND, DRY, FINE GRAIN	0-5 PID = 1.8 PPM				
	2						
	3						
	4						
	5						

HTW DRILLING LOG

HOLE NO: SS61-SB19

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: GREG KINSMAN

SHEET 2 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No e	Analytical Sample No f	Blow Counts g	REMARKS h
	6	LIGHT BROWN (5YR 6/4) SILTY SAND, FINE GRAINED, DRY	5-10 PID = 1.4				
	7						
	8						
	9						
	10						
	11		10-15 PID = 1.5				
	12						
	13						
	14	GRADING TO VERY PALE ORANGE (10YR 8/2), WET CAVE GYPSUM XLS PRESENT					
	15						
	16		15-20 PID = 10.2				
	17						
	18						
	19						
	20	MODERATE BROWN (5YR 4/4) AND LIGHT GRAY (N7) SILTY SAND	20-25 PID = 26.1				
	21						
	22						
	23						

HTW DRILLING LOG

HOLE NO: SS61-SB19

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Greg Krosman

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24						
	25	START HYDROCARBON STAINING			SS61-SB19-25 @1130		
		STRONG ODOR — MEDIUM			SS61-SB19-25-MS @1136		
	26	GRAY (N5) SILTY SAND, WET			SS61-SB19-25-MSD @1130		
			25-30				
	27		PID = 1238				
	28				SS61-SB19-28 @1145		
	29						
	30						
			30-35				
	31		PID = 1533				
	32						
	33						
	34						
		34.5					
		END OF STAINING	35-40				
	35	VERY PALE ORANGE GRADING	PID = 48.9				
		TO MODERATE ORANGE PINK					
	36	(10R 7/4) SILTY SAND					
	37						
	38						
	39						
	40				SS61-SB19-40 @1200		
		TD = 40' BLS					
	41						

HTW DRILLING LOG

HOLE NO: SS61-SB20

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells	SHEET 1 OF 3 SHEETS
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: B8	
5. NAME OF DRILLER: MATT CAIN	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85	
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East	
	9. SURFACE ELEVATION (ft. NGVD)	
	10. DATE STARTED: 11/22/08	11. DATE COMPLETED: 11/22/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: 2.14	
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —	
14. TOTAL DEPTH OF HOLE: 40' BLS	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS: SS61-SB20-25, SB20-29, SB20-29-a, SB20-35 (4)	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE: BACKFILLED	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	GROUT			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	ASPHALT AND ROAD BASE					
	1						
	2	VERY PALE ORANGE (10YR 8/2) AND GRAYISH ORANGE (10YR 7/4) SILTY SAND, DRY, FINE GRAIN	0-5 PID: 2.1				
	3						
	4						
	5						

HTW DRILLING LOG

HOLE NO: SS61-SB20

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: GREG KINSMAN

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	LIGHT BROWN (5YR6/4) SILTY SAND, DRY, FINE GRAIN					
	7		5-10 PID: 1.8				
	8						
	9						
	10						
	11						
	12		10-15 PID: 1.1				
	13						
	14	MOIST @ 14'					
	15						
	16	GRAYISH ORANGE (10YR 7/4) AND	15-20				
	17	VERY PALE ORANGE (10YR 8/2) SILTY SAND	PID: 1.1				
	18						
	19						
	20						
	21	GYPSUM XLS PRESENT, F-M GRAIN					
	22		20-25 PID: 14.7				
	23						

HTW DRILLING LOG

HOLE NO: SS61-SB20

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: GREG KINSMAN

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24						
	25	LIGHT BROWN (5YR 5/6) SILTY SAND					
	26				SS61-SB20-25@1420		
		TOP OF HYDROCARBON STAINING	25-30				
	27	MEDIUM LIGHT GRAY (N6)	PID: 860				
		YELLOWISH GRAY (5Y 8/1)					
	28						
		MEDIUM DARK GRAY (N4)					
	29				SS61-SB20-29@1430		
		LIGHT GRAY (N7)			SS61-SB20-29-a@1430		
	30	PETROLEUM ODOR - STRONG, SILTY SANDS					
	31						
			30-35				
	32		PID: 72.8				
	33						
	34	(34.5)	35'				
		END OF HYDROCARBON STAINING	PID = 15.9				
	35	LIGHT BROWN (5YR 5/6) SILTY SAND FINE GRAIN			SS61-SB20-35@1445		
	36						
	37	VERY PALE ORANGE (10YR 8/2) SILTY SAND W/ABUNDANT GYPSUM, F-M GRAIN	35-40 PID: 14.5				
	38	LIGHT BROWN (5YR 5/6) SILTY SAND, MINOR GYPSUM					
	39						
	40	TD = 40' BLS					
	41						

HTW DRILLING LOG

HOLE NO: SS61-SB21 (TMW82)

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells	SHEET 1 OF 3 SHEETS
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: A8	
5. NAME OF DRILLER: MATT CAIN	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85	
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East	
	9. SURFACE ELEVATION (ft. NGVD)	
	10. DATE STARTED: 11/23/08	11. DATE COMPLETED: 11/23/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: ~18' BLS	
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —	
14. TOTAL DEPTH OF HOLE: 35' BLS	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
3 SS61-SB21-25 -28 -35	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
BACKFILLED	GROUT			Gregory T. Vinci

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	BACKFILL					
	1	LIGHT BROWN (5YR 6/4) SILTY SAND, DRY, FINE GRAIN					
	2		0.5 PID = 0.0				
	3						
	4	GRADING TO VERY PALE ORANGE (10YR 8/2)					
	5						

HTW DRILLING LOG

HOLE NO: SS61-SB21 (TMW52)

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: GREG KINSMAN

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6						
	7	LIGHT BROWN (5YR 6/4) SILTY SAND, FINE GRAIN, DRY					
	8		5-10 PID = 0.0				
	9						
	10						
	11						
	12		10-15 PID = 0.0				
	13						
	14						
	15	LIGHT BROWN (5YR 5/6) SILTY SAND, MOIST @ 14'					
	16						
	17						
	18	LIGHT BROWN (5YR 5/6) AND VERY PALE ORANGE (10YR 8/2), WET	15-20 PID = 1.1				
	19						
	20						
	21						
	22		20-25 PID = 9.9				
	23						

HTW DRILLING LOG

HOLE NO. SS61-SB21(TAW82)

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: GREG KINSMAN

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24	FAINT PETROLEUM ODOR - 24'					
	25				SS61-SB21-25@0810		
	26		25-30				
	27	START OF HYDROCARBON STAINING	PID: 1953				
		MEDIUM GRAY (N5) SILTY	25-30-a				
	28	SAND, STRONG PETROLEUM ODOR	PID = 2332		SS61-SB21-28@0820		
	29						
	30						
	31	END OF STAINING					
		VERY LIGHT GRAY (N7) SILTY					
	32	SAND, WET, FINE GRAINED					
	33		30-35				
			PID = 56.1				
	34						
	35				SS61-SB21-35@830		
		TD = 35' BLS					
	36						
	37						
	38						
	39						
	40						
	41						

HTW DRILLING LOG

HOLE NO: SS61-SB22

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells	SHEET 1 OF 3 SHEETS
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: AA7	
5. NAME OF DRILLER: MATT CAIN	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85	
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East	
	9. SURFACE ELEVATION (ft. NGVD)	
	10. DATE STARTED: 11/23/08	11. DATE COMPLETED: 11/23/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: ~18' BLS	
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —	
14. TOTAL DEPTH OF HOLE: 35	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS: SS61-SB22-22, -26, -35	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
3	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
BACKFILLED	GROUT			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	VERY PALE ORANGE (10YR 8/2) SILTY SAND, DRY, FINE GRAIN					
	1						
			G-5				
	2		RD = 0.0				
	3						
	4						
	5						

HTW DRILLING LOG

HOLE NO: SS61-SB22

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: GREG KINSMAN

SHEET 2 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	LIGHT BROWN (5YR 6/4) SILTY SAND), DRY, FINE GRAIN					
	7		5-10 PID = 0.0				
	8						
	9						
	10						
	11						
	12		10-15 PID = 0.0				
	13						
	14						
	15						
	16		15-20 PID = 15.4				
	17						
	18	WET @ 18'					
	19						
	20	VERY PALE ORANGE (10YR 8/2) SILTY SAND, ABUNDANT FINE GYPSUM XLS, GRADING TO MODERATE BROWN (5YR 4/4) SILTY SAND W/ GYPSUM XLS					
	21		20-25 PID = 231		SS61-SB22-22@1000		
	22						
	23						

HTW DRILLING LOG

HOLE NO: SS61-SB22

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Greg Kinsman

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24	START of HYDROCARBON STAINING MEDIUM GRAY (N5), STRONG ODOR					
	25	MEDIUM DARK GRAY (N4)					
	26		25-30 PID: ~~75.9~~		SS61-SB22-26@1010		
	27						
	28	BOTTOM OF STAINING VERY LIGHT GRAY (N8) SILTY SAND, GYPSUM XLS, F-M GRAIN					
	29						
	30						
	31		30-35 PID: 35.1				
	32						
	33						
	34	PALE YELLOWISH BROWN (10YR 6/2) SILTY SAND, F GRAIN					
	35	TD = 35'	35 PID = 30.9		SS61-SB22-35@1020		
	36						
	37						
	38						
	39						
	40						
	41						

HTW DRILLING LOG

HOLE NO: SS61-SB23 (TMW83)

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells	SHEET 1 OF 3 SHEETS
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: AA 5	
5. NAME OF DRILLER: MATT CAIN	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85	
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East	
	9. SURFACE ELEVATION (ft. NGVD)	
	10. DATE STARTED: 11/23/08	11. DATE COMPLETED: 11/23/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: ~18	
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —	
14. TOTAL DEPTH OF HOLE: 35' BGS	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS: SS61-23-16, -26, -a, -35	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
4	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
BACKFILLED	GROUT			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	LIGHT BROWN (5YR 5/6) SILTY SAND, F-GRAIN, DRY	0-5 PID=0.0				
	1						
	2						
	3						
	4						
	5						

HTW DRILLING LOG

HOLE NO. SS61-SB23 (JMW83)

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: GREG KINSMAN

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6						
	7						
	8		5-16 PID = 0.0				
	9						
	10						
	11						
	12		10-15 PID = 0.0				
	13						
	14	MOIST @ 14'					
	15						
	16				SS61-SB23-16 @ 1150		
	17		15-20 PID = 1526				
	18	MODERATE BROWN (5YR 4/4) SILTY SAND, WET @ ~18', STRONG ODOR					
	19						
	20	VERY LIGHT GRAY (N8) SILTY SAND, FAINT ODOR, WET					
	21		20-25				
	22		PID = 1737				
	23						

HTW DRILLING LOG

HOLE NO: SS61-SB23 (TMW83)

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: GREG KINSMAN

SHEET 3 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24	START OF PETROLEUM STAINING @24'					
		STRONG ODOR					
	25	MEDIUM GRAY (N5) SILTY SAND F-GRAIN					
	26	YELLOWISH GRAY (5Y 8/1)	25-30		SS61-SB23-26 @ 1200		SS61-SB23-26-a @ 1200
	27	MEDIUM LIGHT GRAY CLAYEY SAND,	PID=1560				
	28						
	29						
	30	MEDIUM LIGHT GRAY SILTY SAND	30-35				
	31	END OF STAINING @31' LIGHT BROWN (5YR 6/4) SILTY SAND, GRADING TO LIGHT GRAY (N7)	PID=375				
	32						
	33	START OF STAINING @33' DARK GRAYISH GREEN (5GY 4/1) SILTY SAND, F-GRAIN, ODOR					
	34						
	35	TD = 35 'BLS			SS61-SB23-35 @ 1210		
	36						
	37						
	38						
	39						
	40						
	41						

HTW DRILLING LOG

HOLE NO: SS61-SB24

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
SHEET 1 OF 3 SHEETS	
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: C6
5. NAME OF DRILLER	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 11/23/08 — 11. DATE COMPLETED: 11/23/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: ~18' BLS
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —
14. TOTAL DEPTH OF HOLE: 40' BLS	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
3 SS61-SB24-16-20-40	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
BACKFILLED	GROUT			Gregory T. Kin

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	ASPHALT					
	1	LIGHT BROWN (5YR 6/4) SILTY SAND, DRY, LOOSE		0-5 PID = 1.9			
	2						
	3						
	4						
	5						

HTW DRILLING LOG

HOLE NO: SS61-SB24

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: GREG KINSMAN

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	SAME AS ABOVE					
	7						
	8		5-10 P.I.D = 0.4				
	9						
	10	LIGHT BROWN (5YR 6/4) AND VERY PALE ORANGE (10YR 8/2) SILTY SAND					
	11						
	12		10-15 P.I.D = 0.3				
	13						
	14	MOIST @ 14'					
	15	MODERATE BROWN (5YR 4/4) SILTY SAND, F-GRAIN			SS61-SB24-16 @ 1420		
	16						
	17		15-20 P.I.D = 1468				
	18	STRONG ODOR					
	19						
	20	PALE YELLOWISH BROWN (10YR 6/2) SILTY SAND GRADING TO VERY					
	21	PALE ORANGE AND LIGHT BROWN (5YR 5/6) SILTY SAND)	20-25 P.I.D 1609				
	22						
	23						

HTW DRILLING LOG

HOLE NO SS61-SB24

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: GREG KINSMAN

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24						
		START OF HYDROCARBON STAINING					
	25	MEDIUM DARK GRAY SILTY SAND, STRONG ODOR, WET					
	26						
			25-30 PID=1397		SS61-SB24-27 @ 1430		
	27						
	28						
	29						
	30	MEDIUM LIGHT GRAY (N6) SILTY SAND, MINOR GYPSUM XLS					
	31						
			30-35 PID=859				
	32						
	33	END OF STAINING					
		GRAYISH ORANGE PINK (5YR 7/2)					
	34	SILTY SAND, FAINT ODOR					
	35	GRAY TO LIGHT ORANGE PINK, GRADING TO MODERATE BROWN (5YR 4/4)	35 PID=82.4				
	36	SILTY SAND F-M GRAIN, ABUNDANT GYPSUM XLS, TRACE XLS					
	37						
			35-40 PID=14.5				
	38						
	39						
	40	TD = 40' BGS			SS61-SB24-40 @ 1440		
	41						

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

HOLE NO. SS61-SB24

HTW DRILLING LOG

HOLE NO: SS61-SB25

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
SHEET 1 OF 3 SHEETS	
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: B6
5. NAME OF DRILLER	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 11/23/08 — 11. DATE COMPLETED: 11/23/08
12. OVERBURDEN THICKNESS	15. DEPTH GROUNDWATER ENCOUNTERED: ~18' BLS
13. DEPTH DRILLED INTO ROCK	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED
14. TOTAL DEPTH OF HOLE: 40' BLS	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
5 SS61-SB25-20,AS,ASD -24 -35	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
BACKFILLED	GROUT			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	LIGHT BROWN SANDY SILT (5Y 6/4), DRY, LOOSE, F-GRAIN	0-5 PID = 1.2				
	1						
	2						
	3						
	4						
	5						

HTW DRILLING LOG

HOLE NO: SS61-SB25

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Greg Kinsman

SHEET 2 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6						
	7		5-10 P.I.D: 1.4				
	8						
	9						
	10	LIGHT BROWN (5YR 5/6) SILTY SAND					
	11		10-15 P.I.D=0.4				
	12						
	13						
	14	~~WET @ 14'~~ GR 11/23/05					
	15						
	16		15-20 P.I.D: 5.9				
	17						
	18	WET @ 18'					
	19						
	20				SS61-SB25-20 @ 1600		
	21		20-25 P.I.D=1591		SS61-SB25-20-MS @ 1600		
	22				SS61-SB25-20-MSD @ 1600		
	23	TOP OF HYDROCARBON STAINING STRONG ODOR					

HTW DRILLING LOG

HOLE NO: SS61-SB25

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Greg Konsella

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24	LIGHT GRAY (N7) SILTY SAND STRONG ODOR			SS61-SB25-24 @ 1615		
	25	MEDIUM GRAY SILTY SAND, F-M GRAIN, STRONG ODOR					
	26		25-30 PID: 9.6				
	27						
	28						
	29						
	30						
	31		30-35 PID: 26.1				
	32						
	33	BOTTOM OF SCREENING					
	34	LIGHT BROWN (5YR 6/4) SILTY SAND, F-GRAIN, F-GRAIN GYPSUM					
	35	SAME AS ABOVE, F-M GRAIN			SS61-SB25-35 @ 1630		
	36		35-40 PID: 4.8				
	37						
	38						
	39						
	40	TD = 40' BLS					
	41						

HTW DRILLING LOG

HOLE NO: SS61-SB26

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
SHEET 1 OF 3 SHEETS	
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: C4
5. NAME OF DRILLER: MATT CAIN	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 11/24/08 — 11. DATE COMPLETED: 11/24/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: ~15 bgs
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —
14. TOTAL DEPTH OF HOLE	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
4 - SB26 - 19, 24-a, 40	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
BACKFILLED	GROUT			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	Backfill Gravel					
	1						
	2	Very pale brown 10YR 7/3 silty sand	0-5 PID: 1.5				
	3						
	4						
	5						

HTW DRILLING LOG

HOLE NO SS61-SB26

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR:

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6						
	7	light reddish brown (2.5 YR 6/4) Silty Sand					
	8		5-10 PID: 0.0				
	9						
	10						
	11						
	12		10-15 PID: 0.0				
	13						
	14	very pale brown 10YR 7/3 silty sand very fine grained moist @ 15' bgs					
	15						
	16	Reddish brown (2.5 YR 4/4) Silty Sand					
	17	interbedded w/ medium grained gypsum veins.	15-20 PID: 39.8				
	18						
	19	slight hydrocarbon odor @ 19' bgs			SS61-SB26-19 @ 0830		
	20	light grey staining starting @ 20' bgs strong odor					
	21						
	22		20-25 PID: 1969				
	23	Reddish brown silty sand					

HTW DRILLING LOG

HOLE NO. SS61-SB26

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR:

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24	Reddish brown (2.5 YR 4/4) Silty Sand			SS61-SB26-24 @ 0945		
	25	wet @ 25 bgs					
	26	White Sand (SW)					
	27	26.5-27.5 Black hydrocarbon staining	25-30 PID: 751				
	28	light grey hydrocarbon staining strong odor					
	29						
	30						
	31						
	32						
	33	end of visible staining	30-35 PID: 77				
	34	Saturated light reddish brown Silty Sand					
	35						
	36						
	37						
	38	light reddish brown (2.5 YR 6/4)					
	39	Silty Sand moist	35-40 PID: 43.9				
	40	TD: 40' bgs			SS61-SB26-40 @ 0900		
	41						

HTW DRILLING LOG

HOLE NO: SS61-SB27

SHEET 1 OF 3 SHEETS

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: E5
5. NAME OF DRILLER: Matt Cain	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD): 1
	10. DATE STARTED: 11/24/08 — 11. DATE COMPLETED: 11/24/08
12. OVERBURDEN THICKNESS: –	15. DEPTH GROUNDWATER ENCOUNTERED: 19'6.5"
13. DEPTH DRILLED INTO ROCK: –	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: –
14. TOTAL DEPTH OF HOLE: 40'5"	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): –

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
3-SB27-20-25	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Grout			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	Asphalt					
	1	Roadbase					
		Gravel Backfill					
			0-5 PID: 0.0				
	2	very pale brown 10YR 7/3					
		Silty Sand					
	3	dry					
		unconsolidated.					
	4						
	5						

HTW DRILLING LOG

HOLE NO: SS61-SB27

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6						
	7	Reddish brown 2.5 YR 6/4 silty Sand very soft	S-10 PID: 0.0				
	8						
	9						
	10						
	11						
	12		10-15 PID: 0.3				
	13						
	14						
	15	Very pale brown silty Sand					
	16	Reddish brown	15-20 PID: 14.5				
	17	Silty clay					
	18	interbedded w/ coarse gypsum xls.					
	19						
	20				SS61-SB27-20 @ 1030		
	21	slight hydrocarbon odor @ 21' bgs.	20-25 PID: 1427				
	22						
	23						

HTW DRILLING LOG

HOLE NO: SS61-SB27

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24	Strong solvent / hydrocarbon odor @ 24' bgs					
	25	Beginning of visible staining @ 25' bgs					
	26						
	27	Very strong odor	25-30 PID: 1695				
	28				SS61-SB27-28 @ 1045		
	29	Saturated					
	30						
	31						
	32		30-35 PID: 35.1				
	33	End of visible staining					
	34	Light reddish brown Silt and Sands Saturated.					
	35						
	36				SS61-SB27-35 @ 1100		
	37						
	38						
	39	Very coarse, very angular gypsum xls. interminded w/ reddish brown silt.	35-40 PID: 3.6				
	40				SS61-SB27		
	41	TD: 40' bgs					

HTW DRILLING LOG

HOLE NO: SS61-SB28

SHEET 1 OF 3 SHEETS

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: B7
5. NAME OF DRILLER: Matt Cain	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 11/24/08 — 11. DATE COMPLETED: 11/24/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: 20' bgs
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —
14. TOTAL DEPTH OF HOLE: 40' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
3 - 20 28 35	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Grout			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	Asphalt					
	1	Roadbase Backfill	0-5 PID: 2.0				
	2						
	3	very pale brown (10YR 7/3) Silty Sand					
	4						
	5						

HTW DRILLING LOG

HOLE NO: SS61-SB28

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6						
	7	light reddish brown (2.5YR 6/4) silty sand very soft/fine grained unconsolidated.	5-10 PID: 1.6				
	8						
	9						
	10						
	11						
	12		10-15 PID: 1.4				
	13						
	14						
	15	very pale brown 10YR 7/3 silty sand					
	16						
	17	Reddish brown (2.5YR 4/4) silty clay/sand interbedded w/ fine grained gypsum xls. moist	15-20 PID: 4.3				
	18						
	19						
	20				SS61-SB28-20 @ 1300		
	21	very pale brown silty sand					
	22	Reddish brown (2.5YR 4/4) silty sand	20-25 PID: 28.2				
	23						

HTW DRILLING LOG

HOLE NO: SS61-SB28

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24	wet @ 24' bgs					
	25						
	26						
	27	Beginning of visible staining	25-30 PID: 1617				
	28	Grey / Green			SS61-SB28-28 @ 1315		
	29	Strong odor.					
	30	Saturated Silty Sand					
	31	Grey					
	32		30-35 PID: 12.6				
	33						
	34	End visible staining					
	35	light reddish brown (2.5 YR 6/4) Silty Sand			SS61-SB28-35 @ 1330		
	36						
	37		35-40 PID: 5.6				
	38						
	39	intermixed w/ coarse angular gypsum xls.					
	40						
	41	TD: 40' bgs					

HTW DRILLING LOG

HOLE NO: SSG1-SB29

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
SHEET 1 OF 5 SHEETS	
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: CC4
5. NAME OF DRILLER: Matt Cain	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 11/24/08 — 11. DATE COMPLETED: 11/24/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —
14. TOTAL DEPTH OF HOLE: 50' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
3-SB29 -20 -29 -40	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Grout			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No f	Blow Counts g	REMARKS h
	0	Gravel Backfill material					
	1						
	2	very pale brown (10YR 7/3) Silty Sand dry unconsolidated/soft	0-5 PID: 1.7				
	3						
	4						
	5						

HTW DRILLING LOG

HOLE NO: SS61-SB29

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 2 OF 4 SHEETS 4

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6						
	7	light reddish brown (2.5YR 6/4)					
	8	Silty Sand	5-10 PID: 1.2				
	9	Soft dry					
	10						
	11						
	12						
	13		10-15 PID: 1.1				
	14						
	15	very pale brown (10YR 7/3) Silty Sand.					
	16						
	17	light reddish brown Silty Sand	15-20 PID: 2.1				
	18						
	19						
	20	slight hydrocarbon odor @ 20' bgs.			SS61-SB29-20 @ 1545		
	21						
	22		20-25				
	23	very pale brown silty Sand	PID: 162				

HTW DRILLING LOG

HOLE NO SS61-SB29
SHEET 3 OF ~~7~~ SHEETS

PROJECT
SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR Zachary Beck

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24	Very pale brown Silty Sand slight odor					
	25	Reddish brown Silty Clay / Sand					
	26	Slightly plastic					
	27		25-30 PID: 1702				
	28						
	29	very thin black staining			SS61-SB29-29 @ 1600		
	30	light grey staining strong hydrocarbon odor					
	31						
	32	Saturated					
	33		30-35 PID: 213				
	34	End of visible Staining					
	35	light reddish brown Silty Sand					
	36						
	37	Reddish brown (2.5YR 4/4) Clay - Silt					
	38		35-40 PID: 514				
	39	intermixed w/ coarse angular gypsum x/s.					
	40				SS61-SB29-40		@ 1615
	41	~~[illegible]~~ 2B No Sample					

HTW DRILLING LOG

HOLE NO: SSG1-SB29

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 4 OF 4 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No e	Analytical Sample No. f	Blow Counts g	REMARKS h
	42		40-45 No PID				
	43	No Sample					
	44						
	45	- - - - - - - - - - - -					
	46	Reddish brown Clay					
	47	Plastic					
	48	wet Stiff	45-50 PID: 92.3				
	49						
	50	TD: 50' bgs					
	51						
	52						
	53						
	54						
	55						
	56						
	57						
	58						

HTW DRILLING LOG

HOLE NO: SS61-SB30

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
SHEET 1 OF 3 SHEETS	
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: G48 AA9
5. NAME OF DRILLER: Matt Cain	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 11/25/08 — 11. DATE COMPLETED: 11/25/08
12. OVERBURDEN THICKNESS: –	15. DEPTH GROUNDWATER ENCOUNTERED: ~18-19' bgs
13. DEPTH DRILLED INTO ROCK: –	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: –
14. TOTAL DEPTH OF HOLE: 40' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): –

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
3 - SB30 : 26, 30, 37, 30-a	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Grout			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	Gravel Backfill material					
	1						
	2	Very pale brown (10YR 7/3) Silty Sand unconsolidated dry.	0-5 PID: 1.4				
	3						
	4						
	5						

HTW DRILLING LOG

HOLE NO: SS61-SB30

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 2 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6						
	7	light weddish brown (2.5YR 6/4) Silty Sand very soft.	5-10 PID: 1.6				
	8						
	9						
	10						
	11						
	12		10-15 PID: 0.0				
	13						
	14						
	15						
	16	very pale brown (10YR 7/3) Silty Sand	15-20 PID: 0.0				
	17						
	18	Reddish brown Silty Sand / Clay moist					
	19						
	20						
	21						
	22		20-25 PID: 11.1				
	23						

HTW DRILLING LOG

HOLE NO: SS61-SB30

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24						
	25						
	26				SS61-SB30-26 @ 0930		
	27	25	25-30 PID: 382				
	28						
	29	Ducky yellow green (5GY 5/2) @ 29.5' bgs					
	30	stains/slight hydrocarbon odor very course gypsum crystals.			SS61-SB30-30 SS61-SB30-30-a @ 0945		
	31						
	32	very thin black/olive stain					
	33						
	34	end of ducky yellow stain	30-35 PID: 188				
	35	light reddish brown Silty Sand Saturated					
	36		@ 37' bgs PID: 12.3				
	37				SS61-SB30-37 @ 1000		
	38						
	39		35-40 PID: 8.9				
	40	TD: 40' bgs.					
	41						

HTW DRILLING LOG

HOLE NO: SS61-SB31

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
SHEET 1 OF 3 SHEETS	
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: BB7
5. NAME OF DRILLER: Matt Cain	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 11/25/08 — 11. DATE COMPLETED: 11/25/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: ~18-19' bgs
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —
14. TOTAL DEPTH OF HOLE: 40' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
3-SB31-25, 32, 40	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Grout			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No f	Blow Counts g	REMARKS h
	0	Gravel Backfill Material					
	1	very pale brown (10YR 7/3) Silty Sand	0-5 PID: 2.0				
	2						
	3	unconsolidated very soft					
	4						
	5						

HTW DRILLING LOG

HOLE NO. SS61-SB31

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 2 OF 7 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6						
	7	light reddish brown (2.5YR 6/4)					
	8	Silty Sand	5-10 PID: 1.1				
	9						
	10						
	11						
	12		10-15 PID: 1.1				
	13	very pale brown silty Sand (10YR 7/3)					
	14	unconsolidated					
	15						
		Reddish brown (2.5YR 4/4)					
	16	Silty Sand/Clay					
	17	intermixed w/ fine grained gypsum	15-20 PID: 1.7				
	18	crystals.					
	19	very pale brown					
		Silt moist					
	20	Reddish brown					
	21	Silt/Clay					
	22		20-25 PID: 13.5				
	23						

HTW DRILLING LOG

HOLE NO SS61-SB31

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24						
	25						SS61-SB31-25 @1115
	26						
	27	27-28 Dark Grey staining Strong odor	25-30 PID: 1005				
	28						
	29	Dusky yellow green staining					
	30						
	31						
	32	30-32' Dark grey staining Strong hydrocarbon odor	30-35 PID: 2185		SS61-SB31-32 @1130		
	33						
	34	Ducky yellow green staining continues					
	35	end visible staining					
	36	light reddish brown (2.5YR 6/4)					
	37	Saturated sands/silts					
	38		35-40 PID: 6.8				
	39						
	40				SS61-SB31-40 @ 1140		
	41	TD: 40' bgs					

HTW DRILLING LOG

HOLE NO: SS61-SB32

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells	SHEET 1 OF 3 SHEETS
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: L4	
5. NAME OF DRILLER: Matt Cain	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85	
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East	
	9. SURFACE ELEVATION (ft. NGVD)	
	10. DATE STARTED: 12/1/08	11. DATE COMPLETED: 12/1/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: 12-15' bgs	
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —	
14. TOTAL DEPTH OF HOLE: 40' BGS	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
3-SB32-9-17-35	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Grout			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	Gravel surface.					
	1	very pale brown (10YR 7/3) Silty Sand unconsolidated very soft.	0-5 PID: 0.0ppm				0-5 40% recov.
	2						
	3						
	4						
	5						

HTW DRILLING LOG

HOLE NO SS61-SB32

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	Light reddish brown (2.5YR 6/4)					
	7	silty Sand					
	8		5-10 PID: 70.5				
	9					SS61-SB32-9	@ 0915
	10	light grey staining beginning @ 9.5' bgs					
	11						
	12	dark grey zone 12-13' bgs	10-15 PID: 1328				
	13						
	14	very strong hydrocarbon odor					Bkgd PID: 10-40ppm
	15						
	16						
	17		15-20 PID: 1339				
	18					SS61-SB32-17	@ 0930
	19						
	20						
	21	End staining Reddish brown (2.5YR 4/4)					
	22	Silty Sand w/ large angular gypsum x/s.	20-25 PID: 842				
	23	Strong hydrocarbon odor					

HTW DRILLING LOG

HOLE NO: SS61-SB32

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24	Black staining v. strong odor wet.					
	25						
	26	Saturated gray soil					
	27						
	28	gray dense soil	25-30 PID: 1166				
	29	sand silty sand.					
	30	End of visible staining					
	31	light reddish brown (2.5 YR 6/4) silty sand wet					
	32						
	33	very pale brown (10 YR 7/3)	30-35 PID. 35.2				
	34	dense silt/sand					
	35	moist @ 25'			SS61-SB32-35		@ 0945
	36						
	37						
	38		35-40 PID. 48.8				
	39						
	40	dry @ 40' bgs					
	41	TD: 40' bgs					

HTW DRILLING LOG

HOLE NO: SS61-SB33

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
SHEET 1 OF 3 SHEETS	
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: J1
5. NAME OF DRILLER: MATT CAW	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 12/1/08 — 11. DATE COMPLETED: 12/1/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: ~12' BLS
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —
14. TOTAL DEPTH OF HOLE: 40' BLS	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
6 (SS61-SB33-15, MS, ASA -27, -A -35)	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
BACKFILLED	GROUT			Mary T. Li

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No e	Analytical Sample No f	Blow Counts g	REMARKS h
	0	GRAVEL SURFACE					
	1	VERY PALE BROWN (10YR 7/8) SILTY SAND, UNCONSOLIDATED, SOFT	0-5 PID = 0.8				0-5 60% Rec.
	2						
	3						
	4						
	5						

HTW DRILLING LOG

HOLE NO. SS61-SB33

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: GREG KINSMAN

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	LIGHT BROWN (5YR 5/6) SILTY SAND					
	7		5-10 PID: 1.2				5-10 60% Rec.
	8						
	9						
	10	PALE YELLOWISH BROWN (10YR 6/2) SILTY SAND					
	11						
	12	WET @ 12'	10-15 PID: 7.9				10-15 80% Rec.
	13						
	14						
	15				SS61-SB33-15@1205		
	16						
	17		15-20 PID: 1665				15-20 50% Rec.
	18						
	19						
	20	TOP OF STAINING					
	21	MEDIUM LIGHT GRAY (N6) TO MEDIUM DARK GRAY (N4) SILTY SAND, WET, STRONG PETROLEUM ODOR					
	22		20-25 PID: 1684				20-25 100% REC.
	23						

HTW DRILLING LOG

HOLE NO. SS61-SB33

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: GREG KINSMAN

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24						
	25	POSSIBLE SHEEN - FREE PRODUCT?					
	26		25-30				25-30
	27	MODERATE BROWN (5YR 4/4) SILTY SAND, DENSE, SOME MOTTLED STAINING SOME ODOR	PID: 169		SS61-SB33-27 @1220		100% RE.
	28						
	29	MEDIUM LIGHT GRAY TO MEDIUM DARK GRAY SILTY SAND, STRONG PETROLEUM ODOR & MOTTLING					
	30						
	31	BOTTOM OF STAINING					
	32	PALE YELLOWISH BROWN SILTY SAND	30-35				30-35
	33		PID: 34.3				90% RE.
	34	MODERATE BROWN (5YR 4/4) W/ VERY PALE ORANGE (10YR 8/2) SILTY SAND, ABUNDANT GYPSUM					
	35						
	36	MODERATE BROWN SILTY SAND, MINOR GYPSUM			SS61-SB33-35 @1235		
	37		35-40				
	38		PID = 7.7				35-40
	39						90% RGC.
	40	TD = 40'					
	41						

HTW DRILLING LOG

HOLE NO: SS61-SB34

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
SHEET 1 OF 3 SHEETS	
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: Adjacent to SS61-MW16
5. NAME OF DRILLER: Matt Cain	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 12/1/08 — 11. DATE COMPLETED: 12/1/08
12. OVERBURDEN THICKNESS: –	15. DEPTH GROUNDWATER ENCOUNTERED: 12 - 14' bgs
13. DEPTH DRILLED INTO ROCK: –	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: –
14. TOTAL DEPTH OF HOLE: 40' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): –

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
3 - SB34 - 20 - 26 - 30	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Grout			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	Grout					
	1	Backfill Material					
	2		0-5 PID: 0.5 ppm				
	3	very pale brown (10YR 7/3) Silty Sand unconsolidated v. soft					
	4						
	5						

HTW DRILLING LOG

HOLE NO: SS61-SB34

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	Same as above					
	7						
	8	light reddish brown Silty Sand soft / unconsolidated	5-10 PID: 0.3 ppm				
	9						
	10						
	11						
	12	very pale brown Sandy-silt moist	10-15 PID: 0.6 ppm				
	13	light reddish brown					
	14	wet @ 14' bgs. Silt					
	15						
	16						
	17						
	18	Reddish brown (2.5YR 4/4)	15-20 PID: 4.6 ppm				
	19	Silty Sand interbedded w/ gypsum vds.					
	20				SS61-SB34-20 @ 1455		
	21						
	22						
	23		20-25 PID: 783 ppm				

HTW DRILLING LOG

HOLE NO: SS61-SB34

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 3 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24						
	25	light grey staining	25-26 PID: 1118 ppm				Thin alternating bands of reddish brown clay and hydrocarbon staining
		Reddish brown clay/silt					
	26	Grey greenish staining			SS61-SB34-26 @ 1510		
		Reddish brown clay/silt					
	27	Grey-green staining					
		very light grey	~~27-28~~				
	28	silty Sand	PID: 18.3 ppm				
		high gypsum content					
	29	very pale brown	29-30				
		Silty Sand	PID: 7.6 ppm		SS61-SB34-30 @ 1525		
	30						
	31						
	32						
	33		30-35 PID: 8.7 ppm				
	34	very pale brown					
	35	Sandy Silt					
	36	Reddish brown					
		Silty Sand					
	37	slightly plastic					
	38	- wet -	35-40 PID: 11.2 ppm				
	39						
	40	TD: 40' bgs					
	41						

HTW DRILLING LOG

HOLE NO: SSG1-SB35

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: A10
5. NAME OF DRILLER: Matt Cain	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 12/2/08 — 11. DATE COMPLETED: 12/2/08
12. OVERBURDEN THICKNESS: -	15. DEPTH GROUNDWATER ENCOUNTERED: ~20 bgs
13. DEPTH DRILLED INTO ROCK: -	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: -
14. TOTAL DEPTH OF HOLE: 40' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): -

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
3-SB35-25-32-36	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Grout			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0–5	very pale brown (10YR 7/3) Silty Sand; V. Soft Unconsolidated dry	0-5 PID: 0.0ppm				

HTW DRILLING LOG

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

HOLE NO: SS61-SB35

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	Same as above					
	7	l. reddish brown (2.5 YR 6/4) Silty Sand	5-10 PID: 0.0				
	8						
	9						
	10						
	11						
	12						
	13		10-15 PID: 0.1				
	14						
	15						
	16						
	17	very pale brown	15-20 PID: 1.1				
	18	Silty Sand					
	19						
	20	moist					
	21	Reddish brown (2.5 YR 4/4)					
	22	Silty Clay					
	23	interbedded w/ gypsum w/s.	20-25 PID: 46.1				

HTW DRILLING LOG

HOLE NO: SSG1-SB35

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beals

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24						
	25	faint odor @ 25'bgs			SSG1-SB35-25 @0810		
	26						
	27						
			25-30 PID: 478				
	28						
	29	light grey staining starting @ 29'bgs.					
	30	Strong odor.					
	31	dark grey staining					
	32	Strong odor			SSG1-SB35-32 @ 0820		
			30-35 PID: 61.8				
	33	Saturated silty sand					
	34						
		end visual stain					
	35	medium brown (2.5YR 4/4)					
	36	slight odor @ 36'bgs			SSG1-SB35-36 @ 0830		
		Silty Sand	37 PID: 7.2				
	37						
	38						
			35-40 PID: 2.5				
	39	very pale brown (10YR 7/3) Sand wet					
	40						
	41	TD: 40'bgs					

HTW DRILLING LOG

HOLE NO: SS61-SB36

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
SHEET 1 OF 3 SHEETS	
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: C10
5. NAME OF DRILLER: Matt Cain	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 12/2/08 — 11. DATE COMPLETED: 12/2/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —
14. TOTAL DEPTH OF HOLE: 40' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Grout			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	Asphalt parking lot					
	1	Gravel Road base					
	2	very pale brown (10YR 7/3) silty sand	0-5 PID: 0.0ppm				
	3						
	4						
	5						

HTW DRILLING LOG

HOLE NO: SS61-SB36

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	Same as above					
	7						
	8		5-10 PID: 0.0 ppm				
	9	Lt reddish brown (2.5YR 6/4) Silty Sand					
	10	Soft unconsolidated					
	11						
	12						
	13		10-15 PID: 0.0 ppm				
	14						
	15						
	16	Very pale brown (10YR 7/3)					
	17	Silty Sand					
	18	slightly plastic moist @ 18' bgs	15-20 PID: 0.0 ppm				
	19						
	20						
	21						
	22	Reddish brown (2.5YR 4/4) Silty Clay	20-25 PID: 24.4 ppm				
	23	interbedded w/ gypsum vfs.					

HTW DRILLING LOG

HOLE NO: SS61-SB36

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24						
	25	very faint odor @ 25' bgs			SS61-SB36-25		@ 0930
	26						
	27	light grey staining begins	25-30 PID: 1553				
	28						
	29						
	30	greenish grey stain V. strong odor			SS61-SB36-30 SS61-SB36-30-a		@ 0945 @ 0945
	31						
	32						
	33		30-35 PID: 1471				
	34						
	35						
	36	Sandy zone dark grey strong odor					
	37	reddish brown dense sand w/ some					
	38	fine. high gypsum content.	35-40 PID: 10				
	39						
	40	faint odor @ 40' bgs TD: 40' bgs			SS61-SB36-40		@ 1000
	41						

HTW DRILLING LOG

HOLE NO: SS61-SB37

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
SHEET 1 OF 3 SHEETS	
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: D10
5. NAME OF DRILLER: MATT CAIN	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 12/2/08 — 11. DATE COMPLETED: 12/2/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: ~15 BLS
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —
14. TOTAL DEPTH OF HOLE: 40' BLS	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
BACKFILLED	GROUT			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	ASPHALT PARKING LOT					
	1	GRAVEL ROAD BASE					
	2	LIGHT BROWN (5YR 6/4) SILTY SAND, DRY, LOOSE FINE GRAIN	0-5 PID = 0.0				
	3						
	4						
	5						

HTW DRILLING LOG

HOLE NO: SS61-SB37

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: GREG KINSMAN

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	5	SAME AS ABOVE					
	6		5-10				
	7		PID = 0.1				
	8						
	9						
	10						
	11						
	12		10-15				
	13		PID: 0.2				
	14						
	15	GRAYISH ORANGE (10YR 7/4)					
	16	SILTY SAND, GRADING TO LIGHT BROWN SILTY SAND, WET					
	17		15-20				
	18		PID: 3.5				
	19						
	20						
	21						
	22		20-25				
	23		PID = ~~3.5~~ 8.3 OK 12/2/08				

HTW DRILLING LOG

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: GREG KINSMAN

HOLE NO: SS61-SB37

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24	LIGHT BROWN W/ LIGHT GRAY (N7) MOTTLING, MINOR ODOR (PETROLEUM)					
	25						
	26	START OF STAINING			SS61-SB37-25 @ 1210		
	27	MEDIUM LIGHT GRAY (N6) TO MEDIUM DARK GRAY (N4) SILTY SAND, STRONG PETROLEUM ODOR	25-30 PID = 2040				
	28						
	29	MEDIUM DARK GRAY (N4) AND PALE BROWN (5YR 5/2) MOTTLED) SILTY SAND), STRONG ODOR			SS61-SB37-28 @ 1220		
	30						
	31						
	32		30-35 PID: 1786				
	33						
	34	END of STAINING (34') VERY PALE ORANGE (10YR 8/2) SILTY SAND), W/ FINE GRAIN GYPSUM					
	35						
	36	GRAYISH ORANGE (10YR 7/4) SILTY SAND), ABUNDANT GYPSUM, F-GRAIN SAND, COARSE GRAIN GYPSUM	35-40 PID = 2.4				
	37				SS61-SB37-37 @ 1230		
	38						
	39	LIGHT BROWN (5YR 5/6) SILTY SAND, F-GRAIN, MINOR F-GRAIN GYPSUM					
	40						
	41	TD = 40'					

HTW DRILLING LOG

HOLE NO: SS61-SB38

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
SHEET 1 OF 3 SHEETS	
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: G4
5. NAME OF DRILLER: Matt Cain	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 12/2/08 — 11. DATE COMPLETED: 12/2/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: 14' bgs
13. DEPTH DRILLED INTO ROCK: ~	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —
14. TOTAL DEPTH OF HOLE: 40' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
3- SB38 -15 -20 -35	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Grout			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	Gravel parking lot					
	1	Gravel road base					
	2	very pale brown (10YR 7/3) Silty Sand	0-5 PID: 0.0				
	3	v. soft - unconsolidated.					
	4						
	5						

HTW DRILLING LOG

HOLE NO: SS61-SB38

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	f. reddish brown (2.5YR 6/4)					
	7	Silty Sand	S-10 PID: 0.0				
	8						
	9						
	10	GRAYISH ORANGE (10YR 7/4)					
	11	SILTY SAND)					
	12		10-15 PID: 17.9				
	13						
	14	SLIGHT PETROLEUM ODOR @ 14' WET @ 14'					
	15				SS61-SB38-15		@ 1430
	16	TOP OF STAINING					
	17	MODERATE BROWN (5YR 4/4) AND MEDIUM GRAY (N5) MOTTLED SILTY SAND) - STRONG PETROLEUM	15-20 PID: 2078				
	18	ODOR					
	19						
	20				SS61-SB38-20		@ 1445
	21						
	22		20-25 PID: 1150				
	23						

HTW DRILLING LOG

HOLE NO: SS61-SB38

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24						
	25	MEDIUM GRAY (N5) SILTY SAND			~~SS61-SB38-25~~		ZB 12/2/08
	26	STRONG ODOR					
	27		25-30 PID: 1209				
	28						
	29	BOTTOM OF STAINING PALE YELLOWISH BROWN (10YR 6/2) SILTY SAND					
	30						
	31						
	32						
	33	REDDISH BROWN (2.5YR 4/4) SILTY SAND INTERMIXED W/ GYPSUM & LS (FINE GRAINED, ANGULAR)	30-35 PID: 16.9				
	34						
	35	SATURATED.			SS61-SB38-35		@ 1500
	36						
	37						
	38		35-40 PID: 34.6				
	39	DENSE SILTY SAND					
	40	TD: 40' BGS					
	41						

HTW DRILLING LOG

HOLE NO: SS61-SB39

5 of 75

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells	SHEET 1 OF 3 SHEETS
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: G9	
5. NAME OF DRILLER: Matt Cain	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85	
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East	
	9. SURFACE ELEVATION (ft. NGVD)	
	10. DATE STARTED: 12/3/08	11. DATE COMPLETED: 12/3/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED	
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —	
14. TOTAL DEPTH OF HOLE: 40' BLS	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
3-SB39-28-29-35	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Grout			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No f	Blow Counts g	REMARKS h
	0	Asphalt parking lot					
	1	Gravel Road base					
	2		0-5 PID: 0.0 ppm				
	3	very pale brown (10YR 7/3)					
	4	Silty Sand uncosolidated					
	5						

HTW DRILLING LOG

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beek

HOLE NO: SS61-SB39

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	Same as above					
	7	l. reddish brown (2.5YR 6/4) Silty Sand v. soft	5-10 PID: 0.0ppm				
	8						
	9						
	10						
	11						
	12		10-15 PID: 0.0ppm				
	13						
	14	Grayish orange (10YR 7/4) silty sand grading to very pale brown silty sand					
	15						
	16						
	17						
	18		15-20 PID: 0.0ppm				
	19	Reddish brown (2.5YR 4/4) Silty Clay intermixed w/ coarse angular gypsum rks					
	20						
	21						
	22						
	23		20-25 PID: 0.1ppm				

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

HOLE NO: SS61-SB39

HTW DRILLING LOG

HOLE NO: SS61-SB39

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24						
	25				SS61-SB39-25 @0800		
	26						
	27	Grading into a reddish brown (2.5YR 4/4) saturated clay	25-30 PID: 562				
	28						
	29	mottled grey lenses w/ strong odor intermixed w/ reddish brown clay zones (mottled zone)			SS61-SB39-29 @0810		laminar lenses of hydrocarbon stained soil
	30						
	31	strong odor @ 31' bgs	31-32 PID: 477				
	32	Reddish brown (2.5YR 4/4)	32-35 PID: 14.5				
	33	Saturated clay					
	34						
	35				SS61-SB39-35 @0820		
	36						
	37						
	38	Reddish brown Silty Sand	35-40 PID: 1.5				
	39	Dense / high gypsum content v. angular, v. coarse Sds.					
	40	TD: 40' bgs					
	41						

HTW DRILLING LOG

HOLE NO: SS61-SB40

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
SHEET 1 OF 3 SHEETS	
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: M 1 (South Grid)
5. NAME OF DRILLER: Matt Cain	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 12/3/08 — 11. DATE COMPLETED: 12/3/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: 10 'BGS
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —
14. TOTAL DEPTH OF HOLE: 35 'BGS	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
6 (SS61-SB40-10, -13, -14SD, -20, -a, -35)	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Grout			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	GRAVEL + ROAD BASE					
	1						
	2	GRAYISH ORANGE (10YR 7/4) SILTY SAND, DRY, LOOSE, F-GRAIN SAND	0-5 PID: 0.0				
	3						
	4						
	5						

HTW DRILLING LOG

HOLE NO SS61-SB40

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beek

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	LIGHT BROWN (5YR 5/6) SILTY SAND, LOOSE, F-GRAIN, DRY					
	7						
			5-10 PID: 0.1				
	8						
	9						
	10	GRAYISH ORANGE (10YR 7/4) SILTY SAND, SOME PARTIAL CEMENTATION, F-GRAIN SAND, F-GRAIN GYPSUM					
	11						
	12	MOIST @ 10'					
			10-15 PID: 0.0				
	13	LIGHT BROWN (5YR 5/6) SILTY SAND, GRADING MORE CLAYEY W/ DEPTH.					
	14						
	15						
	16	LIGHT BROWN SANDY CLAY			SS61-SB40-16 @1035 SS61-SB40-16-MS @1035 SS61-SB40-16-MSD @1035		
	17						
			15-20 PID: 1965				
	18						
	19	TOP OF STAINING MEDIUM GRAY (N5) SILTY SAND STRONG ODOR					
	20	BOTTOM OF STAINING GRAYISH ORANGE (10YR 7/4) SILTY SAND			SS61-SB40-20 @ 1050 SS61-SB40-20-a @ 1050		
	21						
	22						
			20-25 PID: 47.3				
	23						

HTW DRILLING LOG

HOLE NO: SS61-SB40

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		STAINED SOILS @ 23-25					
	24	LIGHT BROWN (5YR 5/6) AND MEDIUM LIGHT GRAY (N6) - MOTTLED SILTY SAND -					
	25	STRONG ODOR W/ DK GRAY SOILS					
		BOTTOM OF STAINING					
	26	LIGHT BROWN SILTY SAND - NO STAINING					
		TOP OF STAINING	28' PID=214				
	27	LIGHT BROWN + MEDIUM LIGHT GRAY MOTTLED SILTY SAND - ODOR	COC 28-30' PID: ~~47.3~~ =39.5	COC 12/3/24			
	28	BOTTOM OF STAINING					
	29	YELLOWISH GRAY (5Y 8/1) SILTY SAND, F-GRAIN					
	30						
	31						
	32						
	33	LIGHT BROWN (5YR 5/6) SILTY SAND W/ GYPSUM XLS - MORE GYPSUM W/ DEPTH.	30-35 PID: 35.1		SS61-SB40-35		@1105
	34						
	35	TD=35'					
	36						
	37						
	38		35-40 PID: NA				
	39						
	40						
	41						

HTW DRILLING LOG

HOLE NO: SS61-SB41 / TMW84

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
SHEET 1 OF 3 SHEETS	
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: I 3
5. NAME OF DRILLER: MATT CAIN	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 12/3/08 — 11. DATE COMPLETED: 12/3/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: ~14' BLS
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —
14. TOTAL DEPTH OF HOLE: 35' BLS	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
3 SS61-SB41-11 -14 -35	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
1" temp well 12/3/08	[redacted]	1" temp well		

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	GRAVEL + ROAD BASE					
	1						Install (One) 1" Temp well w/ Stickup
	2	GRAYISH ORANGE (10YR 7/4) SILTY SAND, F-GRAIN, LOOSE, DRY	0-5 PID = 0.0				
	3						
	4						
	5						

HTW DRILLING LOG

HOLE NO: SS61-SB41 / TMW84

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: GREG KINSMAN

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	LIGHT BROWN (5YR 5/6) SILTY SAND					
	7						
	8		5-10				
	9		PID = 0.0				
	10	PALE YELLOWISH BROWN (10YR 6/2)					
	11	SILTY SAND			SS61-SB41-11@1315		
	12						
	13	TOP OF STAINING	10-15				
		MEDIUM LIGHT GRAY (N6) MOIST	PID = 2131				
	14	SILTY SAND, STRONG PETROLEUM ODOR BOTTOM OF STAINING 14.5			SS61-SB41-14@1330		
	15	LIGHT BROWN (5YR 5/6) SILTY SAND - FAINT ODOR					
	16						
	17		15-20				
	18	TOP OF STAINING	PID = 1916				
		MEDIUM LIGHT GRAY (N6) SILTY SAND, STRONG ODOR					
	19						
	20						
	21	BOTTOM OF STAINING					
		LIGHT BROWN (5YR 5/6) SILTY SAND, DENSE					
	22		20-25				
	23	TOP OF STAINING (23)	PID = 1592				

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

HOLE NO: SS61-SB41 / TMW84

HTW DRILLING LOG

HOLE NO. SS61-SB41 / TMW84

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: GREG KINSMAN

SHEET 3 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24	MEDIUM GRAY (N5) MOTTLED LIGHT BROWN SILTY SAND, MOTTLED, STRONG ODOR					
	25						
	26	MEDIUM GRAY (N5) CLAYEY SAND, STRONG ODOR	25-30				
	27		PID = ~~1592~~ 1194	GSK 12/3/08			
	28						
	29						
	30	VERY LIGHT GRAY (N8) SILTY SAND					
		BOTTOM OF STAINING					
	31	LIGHT BROWN (5YR 5/6) SILTY SAND	30-35				
	32		PID = 26.6				
	33						
	34	LIGHT BROWN, VERY PALE ORANGE (10YR 8/2) AND YELLOWISH GRAY (5Y 7/2) SILTY SAND W/ ABUNDANT GYPSUM & LS-F-C GRAIN					
	35				SS61-SB41-35@1345		
		TD = 35'					
	36						
	37						
	38						
	39						
	40						
	41						

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

HOLE NO. SS61-SB41 / TMW84

HTW DRILLING LOG

HOLE NO: SS61-SB42

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells	SHEET 1 OF 3 SHEETS
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: N3	
5. NAME OF DRILLER: MATT CAIN	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85	
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East	
	9. SURFACE ELEVATION (ft. NGVD)	
	10. DATE STARTED: 12/3/08	11. DATE COMPLETED: 12/3/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: ~10' BLS	
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —	
14. TOTAL DEPTH OF HOLE: 35' BLS	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
3 SS61-SB42-12 -19 -35	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
BACKFILLED	GROUT			Gregory T. Kline

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	GRAVEL & ROAD BASE					
	1						
	2	GRAYISH ORANGE (10YR 7/4) SILTY SAND, LOOSE, DRY, FINE GRAIN	0-5 PID = 0.0				
	3						
	4						
	5						

HTW DRILLING LOG

HOLE NO: SS61-SB42

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: GREG KINSHAW

SHEET 2 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	LIGHT BROWN (5YR5/6) SILTY SAND, LOOSE, DRY, F-M GRAIN GYPSUM W/DEPTH					
	7		5-10 PID=0.0				
	8						
	9						
	10	MOIST @10'					
	11						
	12		10-15 PID=532		SS61-SB42-12@1515		
	13						
	14	TOP OF STAINING MEDIUM LIGHT GRAY (N6) SILTY SAND STRONG ODOR BOTTOM OF STAINING					
	15	LIGHT BROWN SILTY SAND W/ F-M GRAIN GYPSUM XLS					
	16						
	17		15-20 PID=1868				
	18	TOP OF STAINING MEDIUM LIGHT GRAY (N6) TO MEDIUM DARK GRAY (N4) SILTY SAND, STRONG ODOR			SS61-SB42-19@1530		
	19						
	20	MODERATE BROWN AND MEDIUM LIGHT GRAY MOTTLED SILTY SAND - STRONG ODOR					
	21						
	22		20-25 PID=1200				
	23						

HTW DRILLING LOG

HOLE NO: SG1-SB42

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Greg Kinsman

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24	MEDIUM LIGHT GRAY (N6) and MEDIUM GRAY SILTY SAND - (N5) STRONG ODOR					
	25	MEDIUM GRAY TO DARK MEDIUM GRAY (N4) CLAYEY SAND, STRONG ODOR	25-30 PID: 1329				
	26						
	27	BOTTOM OF STAINING					
	28	PALE YELLOWISH BROWN (10YR 6/2) SILTY SAND, F-GRAIN, FAINT ODOR					
	29						
	30	GRAYISH ORANGE (10YR 7/4) SILTY SAND, F-GRAIN	30-35 PID: 30.6				
	31						
	32						
	33						
	34	LIGHT BROWN (5YR 5/6) AND VERY PALE ORANGE (10YR 8/2) SILTY SAND W/ ABUNDANT GYPSUM KLS - F-C-GRAINED			SS61-SB42-35@1545		
	35	TD = 35					
	36						
	37						
	38						
	39						
	40						
	41						

HTW DRILLING LOG

HOLE NO: SS61-SB43

SHEET 1 OF 3 SHEETS

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: M6
5. NAME OF DRILLER: Matt Cain	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD): 13-14 ft bgs
	10. DATE STARTED: 12/4/08 — 11. DATE COMPLETED: 12/4/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED:
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —
14. TOTAL DEPTH OF HOLE: 35' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
4-SB43 -12 -15 -15a -30	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Grout			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No f	Blow Counts g	REMARKS h
	0	Asphalt Parking lot.					
	1	Gravel Road Base material					
	2	very pale brown (10YR 7/3) silty sand unconsolidated	0-5 PID: 0.0 ppm				
	3						
	4						
	5	light reddish brown (2.5YR 6/4) Silty Sand					

HTW DRILLING LOG

HOLE NO: SS61-SB43

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	Same as above					
	7		S-10 PID: 0.0ppm				
	8						
	9						
	10	Reddish brown (2.5YR 6/4)					
	11	Silt Blocky					
	12				SS61-SB43-12		@ 0745
	13		10-15 PID: 2195				
	14	moist at 14' bgs. light grey staining					
	15	hydrocarbon odor					
	16	grading into a dark grey sand w/ V. Strong Odor			SS61-SB43-15 SS61-SB43-15-a		@ 0800
	17						
	18		15-20 PID: 2022				
	19	Reddish brown (2.5YR 4/4) Clay slight odor					
	20						
	21	mottled hydrocarbon odor staining with thin reddish brown stringers					
	22	wet silty sand V. Strong odor					
	23	black zone @ 23' bgs.	20-25 PID: 1852				

HTW DRILLING LOG

HOLE NO: SS61-SB43

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24						
	25	End staining					
	26	Saturated silty Sands reddish brown (2.5YR 4/4)	25-30 PID: 5.3		SS61-SB43-30 @ 0815		
	28						
	29	Saturated Silt very pale orange (10YR 8/2) and yellowish gray (5Y 7/2)					
	30						
	31						
	32						
	33	Reddish brown (2.5YR 4/4) Silt interlaced w/ v. coarse, angular gypsum s/s. dry.	30-35 PID: 8.7				
	34						
	35	TD: 35' bgs					
	36						
	37						
	38		~~35-40~~ ~~PID:~~ ZB 12/4/08				
	39						
	40						
	41						

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

HOLE NO: SS61-SB43

HTW DRILLING LOG

HOLE NO: SS61-SB44

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
SHEET 1 OF 3 SHEETS	
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: J6
5. NAME OF DRILLER: Matt Cain	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 12/4/08 — 11. DATE COMPLETED: 12/4/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: ~10' bgs
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —
14. TOTAL DEPTH OF HOLE: 35' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
3-SB44-25, 26, 30	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Grout			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No f	Blow Counts g	REMARKS h
	0	Asphalt Parking lot.					
		Gravel					
	1	Road Base material					
		very pale brown (10YR 7/3)					
	2	Silty Sand					
		unconsolidated	0-5 PID: 0.0 ppm				
	3						
	4						
		light medium brown (2.5Y 6/4)					
	5	Silty Sand					

HTW DRILLING LOG

HOLE NO: SS61-SB44

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary

SHEET 2 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	5	Same as above					
	6						
	7		S-10 PID: 0.0 ppm				
	8						
	9						
	10	moist @ 10' bgs					
		wet @ 11' bgs					
	11	partially cemented Silt - dense light reddish brown					
	12		10-15 PID: 0.0 ppm				
	13						
		pale orange to very pale brown (10YR 7/3) Silty Sand					
	14						
	15	Reddish brown (2.5YR 4/4) Silty - Clay saturated					
	16						
	17		15-20 PID: 0.0 ppm				
	18						
	19	interbedded w/ coarse gypsum v/s.					
	20						
	21	grading into a clayey silt wet.					
	22						
	23		20-25 PID: 0.0 ppm				

HTW DRILLING LOG

HOLE NO. SS61-SB44

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 3 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24						
	25				SS61-SB44-25 @ 1000		
	26	weak odor			SS61-SB44-26 @ 1010		
	27	brown? stain in very thin lenses.					
		pale orange - grey ish orange silt.	25-30 PID: 533				
	28						
	29						
					SS61-SB44-30 @ 1020		
	30						
	31						
	32	Coarsening to a very pale brown	30-35 PID: 1.3				
	33	sand layer saturated					
	34						
		Interbedded brown (7.5YR 5/4)					
	35	Silty Sand w/ high gypsum content.					
		TD: 35' bgs					
	36						
	37						
	38						
	39						
	40						
	41						

HTW DRILLING LOG

HOLE NO: SS61-SB45

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
SHEET 1 OF 3 SHEETS	
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: ~~H4~~ OSF 12/4/08 N6
5. NAME OF DRILLER: MATT CAIN	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 12/4/08 — 11. DATE COMPLETED: 12/4/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: ~10' BLS
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —
14. TOTAL DEPTH OF HOLE: 35' BLS	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
3 SS61-SB45 -15 -20 -32	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
BACKFILLED	GROUT			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	ASPHALT + ROAD BASE					
	2	GRAYISH ORANGE (10YR 7/4) SILTY SAND	0-5 PID = 0.0				

HTW DRILLING LOG

HOLE NO. SS61-SB45

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: GREG KINSMAN

SHEET 2 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	LIGHT BROWN (5YR6/4) SILTY SAND), LOOSE, F-GRAIN					
	7		5-10 PID = 0.0				
	8						
	9						
	10	WET @ 10' GRAYISH ORANGE PINK (5YR 7/2) SILTY SAND), PARTIALLY CEMENTED					
	11		10-15 PID = 0.0				
	12	PALE YELLOWISH BROWN (10YR6/2 SILTY SAND)					
	13	LIGHT BROWN (5YR5/6) SILTY SAND), LOOSE, F-GRAIN					
	14						
	15				SS61-SB45-15@1430		
	16	START OF STAINING GRAYISH BROWN (5YR3/2), LIGHT BROWN (5YR5/6) AND MEDIUM GRAY (N5) MOTTLED SILTY SAND) - STRONG ODOR	15-20 PID = 1972				
	17						
	18						
	19	MEDIUM GRAY (N5) SILTY SAND) STRONG ODOR					
	20	BOTTOM OF STAINING LIGHT BROWN SILTY SAND), F-GRAIN, FAINT ODOR			SS61-SB45-20@1440		
	21		20-25 PID = 1842				
	22	START OF STAINING					
	23						

HTW DRILLING LOG

HOLE NO: SS61-SB45

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Greg Knudsen

SHEET 3 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24	LIGHT BROWN AND MEDIUM GRAY MOTTLED SILTY SAND - STRONG ODOR					
	25	MEDIUM GRAY SILTY SAND, STRONG ODOR (VERY PALE ORANGE (10YR 8/2) SILTY SAND AND MEDIUM GRAY MOTTLED -	29.5				
	26	LIGHT GRAY TO MEDIUM DARK GRAY (N7) SILTY SAND - STRONG ODOR	25-30 PID=1882				
	27						
	28						
	29	BOTTOM OF STAINING					
	30	GRAYISH ORANGE PINK (5YR 7/2) SILTY SAND)					
	31	GRAYISH YELLOW (5Y 8/4) AND PALE GREENISH YELLOW (10Y 8/2) SAND + GYPSUM F-C GRAINED W/SOME LARGE XLS -	32' 30-35 GR PID=12.6				
	32	LIGHT BROWN (5YR 5/6) SILTY			SS61-SB45@1450		
	33	SAND W/ MINOR GYPSUM XLS - F-M GRAINED					
	34						
	35	TD = 35' BGS	35' PID = 11.8				
	36						
	37						
	38						
	39						
	40						
	41						

HTW DRILLING LOG

HOLE NO: SS61-SB46

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
SHEET 1 OF 3 SHEETS	
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: B4
5. NAME OF DRILLER: MATT CAIN	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 12/5/08 — 11. DATE COMPLETED: 12/5/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: 20-23' bgs
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —
14. TOTAL DEPTH OF HOLE: 35' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
6 - SB46-28-28-a, -17-MS-MSD, -35	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
BACKFILLED	GROUT			

SS61 - 4730 - 3465

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	Back fill / top soil material					
	1	very pale brown (10YR 7/3) silty sand	0-5 PID=0.0				
	2						
	3						
	4						
	5						

HTW DRILLING LOG

HOLE NO: SS61-SB46

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 2 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	Same as above					
	7	1. reddish brown (2.5YR 6/4) Silty Sand					
	8	V. Soft unconsolidated	5-10 PID: 0.0				
	9						
	10						
	11						
	12		10-15 PID: 0.0				
	13	pale orange to greyish orange Silt					
	14						
	15	reddish brown (2.5YR 4/4) Silty Sand					
	16	w/ high gypsum content.					
	17		15-20 PID: 94.0		SS61-SB46-17 @ 0745		
	18	very faint odor @ 18' bgs			SS61-SB46-17-MS SS61-SB46-17-MSD		
	19	light grey staining hydrocarbon odor present!					
	20						
	21						
	22		20-25 PID = 1218				
	23	Saturated @ 23' bgs					

HTW DRILLING LOG

HOLE NO: SS61-SB46

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Boak

SHEET 3 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24						
	25	Dark grey staining @ 25' bgs very strong odor					
	26						
		Sandy lenses	25-30 PID=1292				
	27	saturated					
	28	Dark grey-green staining very strong odor			SS61-SB46-28 SS61-SB46-28-a		@ 0800 28
	29						
	30						
	31	wet					
			30-35				
	32	End visual staining	PID=188				
	33	moist lt. reddish brown (2.5 YR 6/4) Silty Sand					
	34						
	35				SS61-SB46-35		@ 0815 35
		TD: 35' bgs.					
	36						
	37						
	38						
	39						
	40						
	41						

HTW DRILLING LOG

HOLE NO: SS61-SB47-

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
SHEET 1 OF 3 SHEETS	
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: A0
5. NAME OF DRILLER: Matt Cain	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 12/5/08 — 11. DATE COMPLETED: 12/5/08
12. OVERBURDEN THICKNESS: -	15. DEPTH GROUNDWATER ENCOUNTERED while drilling: 19-22' bgs
13. DEPTH DRILLED INTO ROCK: -	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: -
14. TOTAL DEPTH OF HOLE: 35' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): -

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
3 · SB47-29-35	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Grout			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	Asphalt parking lot.					Hand auger to 5' bgs to clear for utilities
	1	Road base gravel material					
	2	very pale brown (2.5YR 6/4) Silty Sand	0-5 PID: 1.0ppm				
	3	soft unconsolidated.					
	4						
	5						

HTW DRILLING LOG

HOLE NO SS61-SB47

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	Same as above					
	7						
	8	l. reddish brown (2.5YR 6/4) Silty Sand (fine grained)	5-10 PID: 1.7				
	9	soft					
	10	dry					
	11						
	12	pale orange grey (10YR 7/4) Silt	10-15 PID: 3.1				
	13						
	14						
	15	Reddish brown (2.5YR 4/4) Silty Sand					
	16						
	17	very pale orange (10YR 7/4) Silt	15-20 PID: 0.6				
	18	soft / wet consolidated moist.					
	19						
	20				~~SS61-SB47-20 C0950~~		ZB 12/5/08
	21	Reddish brown (2.5YR 4/4) Silty Sand interbedded w/ coarse gypsum sds.					
	22		20-25 PID: 2.4				
	23	dense					

HTW DRILLING LOG

HOLE NO: SS61-SB47

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24	Same as above.					
	25	@ 25'			SS61-SB47-25		@ 0950
	26	mottled light reddish brown (2.5YR 6/4) and gray stained soil					
	27	Dark gray-green staining strong odor	25-30 PID: 1524				
	28						
	29	light gray dense / very hard silty sand high gypsum content.			SS61-SB47-29		@ 1000
	30						
	31						
	32	light reddish brown (2.5YR 6/4) Silty Sand Saturated	30-35 PID: 66.9				
	33						
	34						
	35	TD! 35' bgs			SS61-SB47-35		@ 1010
	36						
	37						
	38						
	39						
	40						
	41						

HTW DRILLING LOG

HOLE NO: SS61-SB48

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: AA3a
5. NAME OF DRILLER: MATT CAIN	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 12/5/08 — 11. DATE COMPLETED: 12/5/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: ~14
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —
14. TOTAL DEPTH OF HOLE: 40 'BLS	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
3- SS61-SB48 -17 -25 -40	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
BACKFILLED	GROUT			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	VERY PALE ORANGE (10YR8/2) to					
	1	LIGHT BROWN (5YR6/4) SILTY					
		SAND, DRY, LOOSE, F-GRAIN					
	2		0-5				
			PID: 0.0				
	3						
	4						
	5						

HTW DRILLING LOG

HOLE NO: SS61-SB48

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: GREG KINSMAN

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6						
	7		5-10				
	8		PID: 0.0				
	9	GRAYISH ORANGE (10YR 7/4) AND					
	10	VERY PALE ORANGE (10YR 8/2) SILTY					
	11	SAND, F-GRAIN SAND + GYPSUM					
		MORE DENSE - NOT LOOSE	10-15				
	12		PID: 0.0				
	13						
	14	MOIST					
	15						
	16	LIGHT BROWN (5YR 5/6) SILTY SAND, F-GRAIN, W/ VERY PALE ORANGE F-C GRAIN GYPSUM XLS	15-20				
	17		PID: 300		SS61-SB48-17		@ 1140
	18						
	19	VERY PALE ORANGE (10YR 8/2) SILTY					
	20	SAND W/ F-GRAIN GYPSUM - STRONG ODOR					
		MODERATE BROWN (5YR 4/4) SILTY					
	21	SAND W/ VERY PALE ORANGE GYPSUM XLS					
	22		20-25				
	23		PID: 1938				

HTW DRILLING LOG

HOLE NO SS61-SB48

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: GREG KINSMAN

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24						
		TOP OF STAINING					
	25	MEDIUM GRAY (N5) SILTY SAND - STRONG ODOR					
		LIGHT GRAY (N7) PASTICKY SANDS AND SILTY SANDS W/ GYPSUM XLS	25-30		OK @ SS61-SB48-25@1155		
	26		PID: 1835				
	27						
		MED. DARK GRAY (N4) SILTY SAND - STRONG ODOR					
	28	LIGHT GRAY (N7) TO VERY LIGHT GRAY (5Y 8/1) SILTY SAND W/ GYPSUM, STRONG ODOR					
	29						
	30						
		LIGHT GRAY TO GREENISH GRAY (5GY 6/1) SILTY SANDS W/ GYPSUM XLS - F-GRAIN - STRONG ODOR					
	31		30-35				
	32		PID: 328				
	33						
	34	BOTTOM OF STAINING					
		LIGHT BROWN (5YR 6/4) SILTY SAND - FAINT ODOR					
	35						
		MODERATE BROWN (5YR 4/4) SAND	35-40				
	36	LIGHT BROWN (5YR 6/4) M-C GRAIN SANDS W/ SLT AND M-C GRAIN GYPSUM XLS - MINOR GYPSUM COBBLES	PID = 69.5				
	37	(POOR RECOVERY ~10%)					35-40 Rec ~10%
	38	FAINT ODOR					
	39						
					SS61-SB48-40@1215		
	40	TD = 40'					
	41						

HTW DRILLING LOG

HOLE NO. SS61-5849-

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: DD4
5. NAME OF DRILLER: MATT CAIN	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 12/5/08 — 11. DATE COMPLETED: 12/5/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: ~15
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —
14. TOTAL DEPTH OF HOLE: 35' BLS	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
3-SS61-5849-20-30-35	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
BACKFILLED	GROUT			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	LIGHT BROWN (5YR 6/4) SANDY SILT, LOOSE, DRY	0-5 PID = 0.0				
	1						
	2						
	3						
	4						
	5						

HTW DRILLING LOG

HOLE NO SS61-SB49

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: GREG KINSMAN

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	VERY PALE ORANGE (10YR 8/2) SILTY SAND, PARTIALLY CEMENTED, DRY ~~OK 12/5/06~~					
	7	LIGHT BROWN (5YR 6/4) SILTY SAND					
	8		5-10 PID: 0.0				
	9						
	10	~~NO OK~~					
	11						
	12		10-15 PID: 0.0				
	13						
	14						
	15	VERY PALE ORANGE (10YR 8/2) SILTY					
	16	SAND, PARTIALLY CEMENTED, MOIST					
	17		15-20 PID: 0.0				
	18	LIGHT BROWN (5YR 5/6) AND					
	19	VERY PALE ORANGE SILTY SAND W/ GYPSUM F-M GRAIN GYPSUM					
	20	MODERATE BROWN (5YR 4/4) SILTY SAND			SS61-SB49-20 @ 1340		
	21		20-25 PID: 87.4				
	22	VERY PALE ORANGE SILTY SAND					
	23						

HTW DRILLING LOG

HOLE NO: SS61-SB49

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: GREG KINSMAN

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24	SAME AS ABOVE – GRADING INTO VERY PALE ORANGE AND MODERATE BROWN MOTTLED SILTY SAND					
	25						
	26	MODERATE BROWN SILTY SAND STRONG ODOR	25-30 PID: 1304				
	27						
	28	TOP OF SCREEN					
	29	MEDIUM LIGHT GRAY, MODERATE BROWN & PALE YELLOWISH BROWN SILTY SAND - STRONG ODOR					
	30	BOTTOM OF SCREEN			SS61-SB49-30 @1355		
	31	PALE GREENISH YELLOW (10Y 8/2), VERY PALE ORANGE AND GRAYISH ORANGE PINK (5YR 7/2) SILTY SAND, F-GRAIN					
	32		30-35 PID: 176				
	33						
	34						
	35	TD = 35' BLS			SS61-SB49-35 @1410		
	36						
	37						
	38						
	39						
	40						
	41						

HTW DRILLING LOG

HOLE NO: SS61-SB50

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
SHEET 1 OF 3 SHEETS	
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: CC 6
5. NAME OF DRILLER: MATT CAIN	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 12/5/08 — 11. DATE COMPLETED: 12/5/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: ~15 'BLS
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —
14. TOTAL DEPTH OF HOLE: 35 'BLS	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
4 SS61-SB50 -20 -29.0 -35	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
BACKFILLED	GROUT			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	LIGHT BROWN (5YR 6/4) SILTY SAND, DRY, LOOSE, F-GRAIN	0-5 PID: 0.0				
	1						
	2						
	3						
	4						
	5						

HTW DRILLING LOG

HOLE NO: SS61-SB50

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: GREG KWSMAN

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	SAME AS ABOVE					
	7						
	8		5-10 PID: 0.0				
	9						
	10						
	11						
	12		10-15 PID: 0.0				
	13						
	14						
	15	MOIST @ 15' LIGHT BROWN (5YR 6/4) SILTY					
	16	SAND W/ SOME AREAS OF PARTIALLY CEMENTED SANDS					
	17		15-20 PID: 0.0				
	18	MODERATE BROWN (5YR 4/4) SILTY SAND					
	19						
	20	MODERATE BROWN (5YR 3/4) SILTY SAND - STRONG ODOR			SS61-SB50-20@1505		
	21						
	22		20-25				
	23	TOP OF STANDING (23)	PID: 1784				

HTW DRILLING LOG

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: GREG KINSMAN

HOLE NO: SS61-SB50

SHEET 3 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24	MED. LIGHT GRAY (N6) AND VERY PALE ORANGE (10YR8/6) SILTY SAND S - STRONG ODOR					
	25	BOTTOM OF STRATUM					
	26	MODERATE BROWN AND MEDIUM LIGHT GRAY - MOTTLED SILTY SAND	25-30 PID: 1828				
	27	BOTTOM OF STRATUM					
	28	MEDIUM LIGHT GRAY (N6) SILTY SAND					
	29				SS61-SB50-29@1520		
	30				SS61-SB50-29-a@1520		
	31	MEDIUM DARK GRAY (N4) SANDY CLAY W/ PARTIALLY CEMENTED SAND NODULES ~~NODULES~~ ODOR	30-35				
	32		PID: 11.3				
	33	BOTTOM OF STRATUM PALE YELLOWISH BROWN SILTY SAND GRADING TO VERY PALE					
	34	ORANGE SILTY SAND @ 34'					
	35	TD: 35			SS61-SB50-35@1535		
	36						
	37						
	38						
	39						
	40						
	41						

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

HOLE NO: SS61-SB50

HTW DRILLING LOG

HOLE NO: SS61-SB51

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: EE5
5. NAME OF DRILLER: Matt Cain	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 12/6/08 — 11. DATE COMPLETED: 12/6/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: ~28' bgs
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —
14. TOTAL DEPTH OF HOLE: 35' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
3-SB51-20 -25 -35	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Grout			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No f	Blow Counts g	REMARKS h
	0						
	1	Very pale brown (10YR 7/3)					
		Silty Sand					
	2	soft / fine grained	0-5				
		unconsolidated.	PID: 0.0ppm				
	3						
	4						
	5						

HTW DRILLING LOG

HOLE NO: SS61-SB51

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6						
	7		5-10 PID: 0.0 ppm				
	8	light reddish brown (2.5YR 6/4)					
	9	Silty Sand.					
	10	soft					
	11						
	12		10-15 PID: 0.0 ppm				
	13						
	14						
	15	pale orange (10YR 7/4) consolidated Silty Sand					
	16	w/ high gypsum content gypsum v/s coarse/angular					
	17		15-20 PID: 0.0 ppm				
	18						
	19	Reddish brown (2.5 YR 4/4)					
	20	Silty Sand			SS61-SB51-20	@ 1535	
	21	w/ intermixed gypsum v/s dense/consolidated					
	22	very slight odor @ 22' bgs					
	23		20-25 PID: 17.3				

HTW DRILLING LOG

HOLE NO: SS61-SB51

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24	solvent odor @ 24' bgs. (no staining yet)					
	25				SS61-SB51-25		@ 1545
	26	mottled alternating bands of grey/hydrocarbon stained layers and brown silty sand.					
	27		25-30 PID: 1604 ppm				
	28	wet coarser zone (strong odor)					
	29	grey stained zone					
	30						
	31	end of visible staining					
	32	light grey / high gypsum content silty sand	30-35				
	33	wet very slight odor @ 35' bgs	PID: 21.7 ppm				
	34						
	35	TD: 35 bgs			SS61-SB51-35		@ 1555
	36						
	37						
	38						
	39						
	40						
	41						

HTW DRILLING LOG

HOLE NO: SS61-SB52

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
SHEET 1 OF 3 SHEETS	
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: EE3
5. NAME OF DRILLER: Matt Cain	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 12/6/08 — 11. DATE COMPLETED: 12/6/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: 22' bgs
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED
14. TOTAL DEPTH OF HOLE: 35' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
3-SB52-21-30-35	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
1" Temp Monitoring Well		1" Prepack		

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0						
	1	very pale brown (10YR 7/3) Silty Sand					1" temp well installed in borehole (see well completion form)
	2	loose unconsolidated dry	0-5 PID: 0.0 ppm				
	3						
	4						
	5						

HTW DRILLING LOG

HOLE NO. SS61-SB52

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	5	Same as above					
	6						
	7						
	8		S-10 PID: 0.0ppm				
	9						
	10						
	11	light reddish brown (2.5YR 6/4)					
	12	Silty Sand	10-15				
	13	very soft	PID: 0.0ppm				
	14						
	15	Reddish brown (2.5YR 4/4)					
	16	Silt intermixed w/ coarse angular gypsum vls.					
	17		15-20				
	18		PID: 0.0ppm				
	19	↓ Increasing gypsum content w/ depth					
	20				SS61-SB52-21 @ 1455		
	21	very pale orange					
	22	Silt Sand (to 23' bgs)					
	23	moist.	20-25 PID: 69.0 ppm				

HTW DRILLING LOG

HOLE NO. SS61-SB52

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24	Reddish brown Silty Sand intermixed w/ gypsum x/s.					hydrocarbon odor observed @ 23'-24' bgs
	25						
	26						
	27	light grey hydrocarbon staining	25-30 PID: 2.92 ppm				
	28						
	29	Saturated Sand					
	30				SS61-SB52-30 @ 1510		
	31						
	32	end visible staining light reddish brown Silt - wet. (2.5YR 6/4) faint hydrocarbon odor @ 33' bgs	30-35 PID: 94.8				
	33						
	34	↓ grading into a pale orange (10YR 7/4)					
	35				SS61-SB52-35 @ 1525		
		TD: 35' bgs					
	36						
	37						
	38						
	39						
	40						
	41						

HTW DRILLING LOG

HOLE NO: SS61-SB53

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: EE2
5. NAME OF DRILLER: Matt Cain	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 12/7/08 — 11. DATE COMPLETED: 12/7/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: ~25' bgs
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —
14. TOTAL DEPTH OF HOLE: 40' bgs.	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
6-SB53-29-29-a -20-MS/MSD -35	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Grout			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0–5	very pale brown (10YR 7/3) silty sand	0-5 PID: 0.0ppm				

HTW DRILLING LOG

HOLE NO: SS61-SB53

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	Same as above.					
	7						
	8	l. reddish brown Silty Sand (2.5YR 6/4)	5-10 PID: 0.0ppm				
	9						
	10						
	11						
	12						
	13	↓ coarsening w/ depth.	10-15 PID: 0.0ppm				
	14						
	15						
	16						
	17	Reddish brown (2.5 YR 4/4)					
	18	Silt	15-20 PID: 0.0				
	19	intermixed w/ fine grained gypsum xls					
	20				SS61-SB53-20 SS61-SB53-20-MS SS61-SB53-20-MSD		@ 0800
	21	light grey staining					
	22	strong odor.					
	23		20-25 PID: 1953				

HTW DRILLING LOG

HOLE NO SS61-SB53

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24	mottled alternating layers of thin grey staining and reddish brown silt moderate odor.					
	25						
	26						
	27		25-30 PID: 2466 ppm				
	28	Dark grey staining v. strong odor					
	29	End visible staining			SS61-SB53-29 SS61-SB53-29-a @ 0810		
	30	l. brown Silt consolidated / Dense.					
	31						
	32	Saturated mottled grey staining w/ light brown Silty Sands interbedded	30-35 PID: 18.3 ppm				
	33						
	34						
	35	l. reddish brown Silty Sand			SS61-SB53-35 @ 0820		
	36	Saturated.					
	37						
	38	fining w/ depth	35-40 PID: ~~32~~ 3.2 ppm				
	39						
	40						
	41	TD: 40' bgs					

HTW DRILLING LOG

HOLE NO: SS61-SB54

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: G64
5. NAME OF DRILLER: MATT CAIN	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 12/7/08 — 11. DATE COMPLETED: 12/7/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: ~25' BLS
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —
14. TOTAL DEPTH OF HOLE: 35' BLS	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
3 · SS61-SB54 -25 -30 -31	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
BACKFILLED	GROUT			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	GRAYISH ORANGE (10YR 7/4) SANDY SILT, DRY, F-GRAIN, LOOSE	0-5 PID: 0.8				
	1						
	2						
	3						
	4						
	5						

HTW DRILLING LOG

HOLE NO: SS61-SB54

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: GREG KINSMAN

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	SAME AS ABOVE					
	7		5-10				
	8		PID: 1.7				
	9						
	10						
	11						
	12	LIGHT BROWN (5YR5/6) SLTY SAND	10-15 PID: 0.0				
	13						
	14						
	15	LIGHT BROWN (5YR6/4) AND VERY PALE ~~BROWN~~ ORANGE (10YR8/2) SLTY SAND					
	16		15-20 PID: 0.0				
	17						
	18						
	19						
	20						
	21	LIGHT BROWN (5YR5/6) TO MOD. BROWN (5YR4/4) SLTY SAND W/ VERY PALE ORANGE GYPSUM LENSES AND/OR MOTTLING VERY SLIGHT ODOR	20-25 PID: 9.1		SS61-SB54-25@1005		

HTW DRILLING LOG

HOLE NO: SS61-SB54

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: GREG KINSHAW

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24						
	25	MOIST @ 25					
	26	LIGHT BROWN (5YR6/4) SILTY SAND					
	27		25-30 PID = 3.7				
	28						
	29	TOP OF STAINING GRAYISH BLACK (N2) STAINED SILTY SAND VERY SMALL LAYER BOTTOM OF STAINING					
	30	VERY PALE ORANGE SILTY SAND, F-M GRAIN SAND + GYPSUM			SS61-SB54-30@1015		
	31				SS61-SB54-31@1025		
	32		30-35				
	33		PID = 5.2				
	34						
	35	TD = 35'					
	36						
	37						
	38						
	39						
	40						
	41						

HTW DRILLING LOG

HOLE NO: SS61-SB55

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: A5
5. NAME OF DRILLER: Matt Cain	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 12/7/08 — 11. DATE COMPLETED: 12/7/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: ~24 bgs
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —
14. TOTAL DEPTH OF HOLE: 40'	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
3-SB55-17-33-40	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Grout			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	Gravel lot material					
	1	very pale brown (10YR 7/3) Silty Sand	0-5 PID: 0.0ppm				
	2						
	3						
	4						
	5						

HTW DRILLING LOG

HOLE NO: SS61-SB55

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	Same as above					
	7	light reddish brown (2.5YR 6/4)	5-10 PID: 0.7 ppm				
	8						
	9						
	10						
	11						
	12		10-15 PID: 1.1 ppm				
	13	intermixed w/ coarse gypsum crystals.					
	14	pale orange (10YR 7/4) silt					
	15	consolidated					
	16						
	17		15-20 PID: 160 ppm		SS61-SB55-17 @ 1220		
	18	Reddish brown (2.5YR 4/4) Silty Sand @ 18' bgs hydrocarbon odor (no staining)					
	19						
	20						
	21						
	22						
	23	pale orange (10YR 7/4) Silty Sand odor	20-25 PID: 552 ppm				

HTW DRILLING LOG

HOLE NO: SS61-SB55

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		Same as above.					
	24						
		Reddish Brown					
	25	Silty Clay					
		moist / plastic					
	26	Beginning of visible staining					
		Saturated sand					
	27	grey hydro-staining					
			25-30				
			PID: 863 ppm				
	28						
		Dark grey stain					
	29	V. strong odor.					
		light grey staining					
	30	dense silty sand					
	31						
		Dark grey-green					
	32	Saturated					
		Silty sand					
	33	very strong odor.	30-35		SS61-SB55-33		@ 1230
			PID: 1511 ppm				
	34	End visible staining	35-PID: 641 ppm				
		light reddish brown (2.5 YR 6/4)					
	35	Silty Sand					
	36	moist					
	37						
		↓					
	38		35-40				
			PID: 63.5				
	39	increasing gypsum					
		content w/ depth			SS61-SB55-40		@ 1240
	40	TD: 40' bgs.					
	41						

HTW DRILLING LOG

HOLE NO: SS61-SB56

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
SHEET 1 OF 3 SHEETS	
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: D5
5. NAME OF DRILLER: Matt Cain	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 12/7/08 — 11. DATE COMPLETED: 12/7/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: ~18' bgs
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —
14. TOTAL DEPTH OF HOLE: 35' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
4-SB56-18-25-25-a-35	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Grout			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	Asphalt drive					
	1	Backfill gravel/material					
	2	very pale brown (10YR 7/3) Silty Sand	0-5 PID: 1.1 ppm				
	3						
	4						
	5						

HTW DRILLING LOG

HOLE NO SS61-SB56

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	Same as above					
	7	Reddish brown Silty Sand	5-10 PID: 0.9 ppm				
	8						
	9	V. Soft					
	10						
	11						
	12	pale orange (10YR 7/4) Silt moist	10-15 PID: 1.4 ppm				
	13						
	14	Reddish brown (2.5YR 6/4) Silty Sand moist					
	15						
	16						
	17		15-20 PID: 363 ppm		SS61-SB56-18 @ 1410		
	18	wet @ 18' bgs pale orange (2.5YR 6/4) silty sand					
	19	slight odor @ 19' bgs					
	20	very light gray staining @ 20' bgs					
	21	Reddish brown (2.5YR 4/4)					
	22	Silty Sand					
	23		20-25 PID: 1732 ppm				

HTW DRILLING LOG

HOLE NO: SS61-SB56

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 3 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24	Mottled silts and Sand					
		Dark grey staining					
	25	Strong odor			SS61-SB56-25 @ 1420		
	26	ZB 12-7-09			SS61-SB56-25-a @1420		
		Dark grey – Black Saturated Silts and Sands.	25-30 PID: 1211 ppm				
	27						
	28	Thin Black lense					
	29						
	30						
	31	@ 31' bgs Black sand lense - strong odor					
		End visible staining					
	32	Lt grey/tan brown	30-35 PID: 15.7 ppm				
	33	Silty Sand					
	34						
	35	TD: 35' bgs.			SS61-SB35-35 @ 1440		
	36						
	37						
	38						
	39						
	40						
	41						

HTW DRILLING LOG

HOLE NO: SS61-SB57

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells	SHEET 1 OF 3 SHEETS
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: AA2	
5. NAME OF DRILLER: Matt Cain	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85	
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East	
	9. SURFACE ELEVATION (ft. NGVD)	
	10. DATE STARTED: 12/8/08	11. DATE COMPLETED: 12/8/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: ~18' bgs	
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —	
14. TOTAL DEPTH OF HOLE: 35' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS - 22	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
3-SB57: 28-35	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Grout			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	Asphalt parking lot					
	1	Backfill					
		Gravel material					
	2		0-5 PID: 0.6 ppm				
		very pale brown (10YR 7/3)					
	3	Silty Sand					
	4						
	5						

HTW DRILLING LOG

HOLE NO. SS61-SB57

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	Same as above					
	7		5-10 PID: 0.2				
	8						
	9	light reddish brown (2.5YR 6/4) Silty Sand					
	10	very soft / unconsolidated.					
	11						
	12		10-15 PID: 0.8				
	13						
	14						
	15	Grading to a slightly coarser reddish brown (2.5YR 4/4)					
	16	Silty Sand					
	17	w/ minor gypsum pcs. (fine grained angular)	15-20 PID: 11.6				
	18						
	19	Pale orange (10YR 7/4) Silt moist					
	20						
	21	Reddish brown Silty Sand					
	22	Stiff / high gypsum content.			SS61-SB57-22		@ 0800
	23	slight odor	20-25 PID: 155				

HTW DRILLING LOG

HOLE NO. SS61-SB57

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 3 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24	Same as above Slight odor					
	25	@ 24' bgs. light grey silty sand saturated @ 25' bgs					
	26	Dark grey Silty Sand Strong odor					
	27		25-30 PID: 1607		SS61-SB57-28 @0810		
	28	Grading into a grey-green gypsum sand. very coarse - angular pcls. strong odor					contaminated zone coarsening w/ depth.
	29						
	30						
	31	Yellow green gypsum pcls. w/ ~20% fines.					
	32						
	33	Brown coarse sand saturated	30-35 PID: 23.7				
	34	End visible staining very pale brown (10YR 7/3) to pale orange (10YR 7/4)					
	35	silt Dense.			SS61-SB57-35 @0820		
	36	TD: 35' bgs					
	37						
	38						
	39						
	40						
	41						

HTW DRILLING LOG

HOLE NO: SS61-SB58

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells	SHEET 1 OF 3 SHEETS
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: BB3	
5. NAME OF DRILLER: Matt Cain	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85	
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East	
	9. SURFACE ELEVATION (ft. NGVD)	
	10. DATE STARTED: 12/8/08	11. DATE COMPLETED: 12/8/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: ~20'	
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —	
14. TOTAL DEPTH OF HOLE: 35' BLS	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
3-SS61-SB58-20-25-35	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Grout			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	ASPHALT + ROAD BASE					
	1						
	2	LIGHT BROWN (5YR 6/4) SILTY SAND, F-GRAIN, DRY, LOOSE	0-5 PID: 4.6				
	3						
	4						
	5						

HTW DRILLING LOG

HOLE NO: SS61-SB58

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beek

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	SAME AS ABOVE					
	7						
	8		5-10 PID: 0.0				
	9						
	10						
	11						
	12						
	13		10-15 PID: 2.2				
	14	LIGHT BROWN (5YR 5/6) AND VERY PALE ORANGE (10YR 8/2) MOTTLED SILTY SAND					
	15						
	16	LIGHT BROWN (5YR 5/6) SILTY SAND - MINOR VERY PALE ORANGE					
	17						
	18		15-20 PID: 1.2				
	19	VERY PALE ORANGE SILTY SAND					
	20	LIGHT BROWN (5YR 5/6) SILTY SAND FAINT ODOR, MOIST			SS61-SB58-20 @ 0915		
	21						
	22						
	23		20-25 PID: 1409				

HTW DRILLING LOG

HOLE NO: SS61-SB58

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24						
	25	TOP OF STAIN LIGHT BROWN SILTY SAND MOTTLED W/ MED. LIGHT GRAY (N6) - STRONG ODOR			SS61-SB58-25		@ 0936
	26	LIGHT GRAY (N7) SILTY SAND					
	27		25-30 PID: 1227				
	28	YELLOWISH GRAY SILTY SAND - STRONG ODOR					
	29	GREENISH GRAY (5GY 6/1) SILTY SAND - F-M GRAIN - STRONG ODOR					
	30	PALE YELLOWISH ORANGE (10YR 8/6) GYPSUM KLS - VERY LARGE (>5mm) AND					
	31	PALE OLIVE (10Y 6/2) SILTY SAND (~20%) STRONG ODOR					
	32						
	33	PALE YELLOWISH BROWN (10YR 6/2) W/ GRAYISH GREEN (5G 5/2) MOTTLING STRONG ODOR	30-35 PID: 50.1				
	34	BOTTOM OF STAINING PALE YELLOWISH BROWN (10YR 6/2)					
	35	SILTY SAND, FAINT ODOR, F-GRAIN			SS61-SB58-35		@ 0945
		TD = 35'					
	36						
	37						
	38						
	39						
	40						
	41						

HTW DRILLING LOG

HOLE NO: SS61-SB59

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells	SHEET 1 OF 3 SHEETS
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: CC2	
5. NAME OF DRILLER: MATT CANN	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85	
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East	
	9. SURFACE ELEVATION (ft. NGVD)	
	10. DATE STARTED: 12/8/08	11. DATE COMPLETED: 12/8/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: ~8' BLS	
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —	
14. TOTAL DEPTH OF HOLE: 35' BLS	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
3 - SS61-SB59 - 25 - 29 - 35	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
BACKFILLED	GROUT			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	ASPHALT & ROAD BASE					
	2	LIGHT BROWN (5YR 6/4) SILTY SAND, LOOSE, DRY, F-GRAIN	G-5 PID: 3.9				
	5						

HTW DRILLING LOG

HOLE NO: SS61-SB59

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: GREG KINSMAN

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	SAME AS ABOVE					
	7		5-10				
	8		PID: 9.4				
	9						
	10						
	11						
	12		10-15				
	13		PID: 0.6				
	14						
	15	LIGHT BROWN (5YR5/6) AND VERY PALE ORANGE (10YR8/2) SILTY SAND, DENSE, MOIST @ ~15'					
	16		15-20				
	17		PID: 5.4				
	18						
	19						
	20	MODERATE BROWN (5YR4/4) AND VERY PALE ORANGE MOTTLED SILTY SAND), DENSE, F-GRAIN					
	21		20-25				
	22		PID: 33.3				
	23						

HTW DRILLING LOG

HOLE NO: SS61-SB59

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: GREG KINSMAN

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24						
	25	TOP OF STAINING			SS61-SB59-25@1050		
	26	FAINT ODOR - GRAYISH ORANGE (10YR7/4) AND MEDIUM LIGHT GRAY MOTTLED SILTY SAND) - LIGHT STAINING	25-30 PID: 1.89				
	27						
	28	DARK GRAY (N3) SILTY SAND - DARK STAINING, STRONG ODOR					
	29				SS61-SB59-29@1100		
	30	VERY PALE ORANGE (10YR 8/2), GRAYISH ORANGE, AND LIGHT GRAY (N7) STAINING SILTY SAND), FAINT ODOR					
	31	BOTTOM OF STAIN					
	32	VERY PALE ORANGE AND GRAYISH ORANGE SILTY SAND)	30-35 PID: 57.1				
	33						
	34						
	35	TD=35'			SS61-SB59-35@1110		
	36						
	37						
	38						
	39						
	40						
	41						

HTW DRILLING LOG

HOLE NO: SS61-SB60

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: BB0
5. NAME OF DRILLER: MATT CAIN	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 12/8/08 — 11. DATE COMPLETED: 12/8/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —
14. TOTAL DEPTH OF HOLE: 40' BLS	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
SS61-SB60 - 25, MS, MSD - 30-a - 40	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
BACKFILLED	GROUT			Gary T.

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	ASPHALT + ROAD BASE					
	1						
	2	LIGHT BROWN (5YR6/4) SILTY SAND, LOOSE, DRY, F-GRAIN	0-5 PID=0.6				
	3						
	4						
	5						

HTW DRILLING LOG

HOLE NO: SS61-SB60

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Greg Kinsman

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	SAME AS ABOVE					
	7		5-10 PID: 5.5				
	8						
	9						
	10						
	11						
	12		10-15 PID: 4.6				
	13						
	14						
	15	MOIST @ 15'					
		LIGHT BROWN (5YR 5/6) AND					
	16	VERY PALE ORANGE (10YR 8/2)	15-20 PID: 4.8				
		MOTTLED SILTY SAND					
	17						
	18						
	19						
	20						
	21						
	22		20-25 PID: ~~184~~ 4.7 GTK				
	23						

HTW DRILLING LOG

HOLE NO: SS61-SB60

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: GREG KINSMAN

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24	SAME AS ABOVE					
	25	LIGHT BROWN (5YR6/4) SILTY SAND, FAINT ODOR			SS61-SB60-25@1315 SS61-SB60-25-MS@1315 SS61-SB60-25-MSD@1315		
	26		25-30 PID = 1801				
	27						
	28	TOP OF STAINING MEDIUM GRAY (N5) SILTY SAND, STRONG ODOR					
	29						
	30	MEDIUM DARK GRAY (N4) SILTY SAND, STRONG ODOR, F-GRAIN			SS61-SB60-30@1330 SS61-SB60-30-D@1330		
	31						
	32	LIGHT GRAY (N7) SILTY SAND, STRONG ODOR, F-GRAIN	30-35 PID = 321				
	33						
	34						
	35	BOTTOM OF STAINING LIGHT BROWN (5YR6/4) TO MODERATE BROWN (5YR4/4) SILTY SAND					
	36		35-40 PID = 20.5				
	37	SAME AS ABOVE - W/ ABUNDANT GYPSUM XLS F->5mm					
	38						
	39		GSC 12/8/04				
	40	TD = 40			SS61-SB60-40@1345		
	41						

HTW DRILLING LOG

HOLE NO: SSG-SB61

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
SHEET 1 OF 3 SHEETS	
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location:
5. NAME OF DRILLER: MATT CHOW	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 12/8/08 — 11. DATE COMPLETED: 12/8/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: ~18' BLS
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —
14. TOTAL DEPTH OF HOLE: 35' BLS	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
3 - SS61-SB61 -25 -29 -35	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
BACKFILLED	GROUT			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	ASPHALT + ROAD BASE					
	2	LIGHT BROWN (5YR 6/4) SILTY SAND / SANDY SILT, DRY, LOOSE, F-GRAIN	0-5 PID: 1.5				
	5						

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01) HOLE NO: SS61-SB61

HTW DRILLING LOG

HOLE NO. SS61-SB61

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: GREG KINSMAN

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	SAME AS ABOVE					
	7		5-10 PID: 5.0				
	8						
	9						
	10						
	11						
	12		10-15 PID: 4.2				
	13						
	14						
	15						
	16						
	17		15-20 PID: 1.9				
	18	MODERATE BROWN (5YR4/4) AND VERY PALE ORANGE (10YR8/2) MOTTLED SILTY SAND, DENSE, MOIST					
	19						
	20						
	21						
	22		20-25 PID: 1.7				
	23						

HTW DRILLING LOG

HOLE NO. SS61-SB61

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Geb Kinsman

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24	SAME AS ABOVE, BUT GRADING FINER TO A SANDY SILT					
	25	LIGHT BROWN (5YR 6/4) SILTY SAND, FAINT ODOR, F-GRAIN	25-30		SS61-SB61-25 @ 1515		
	26		PID = 2224				
	27	TOP OF STAINING MEDIUM DARK GRAY (N4) GRADING TO LIGHT GRAY (N7) SILTY SAND, STRONG ODOR					
	28						
	29	LIGHT GRAY STAINING			SS61-SB61-29 @ 1530		
	30	LIGHT GREENISH GRAY (5GY 8/1) PARTIALLY CEMENTED LAYERS - SILTY SAND, FAINT ODOR					
	31		30-35				
	32		PID = 51.4				
	33	DUSKY YELLOW GREEN (5GY 5/2) BOTTOM OF STAINING					
	34	VERY PALE ORANGE (10YR 8/2) SILTY SAND, FAINT ODOR, F-GRAIN					
	35	TD = 35			SS61-SB61-35 @ 1545		
	36						
	37						
	38						
	39						
	40						
	41						

HTW DRILLING LOG

HOLE NO: SS61-SB62

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
SHEET 1 OF 3 SHEETS	
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: D1
5. NAME OF DRILLER: Matt Cain	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 12/9/08 — 11. DATE COMPLETED: 12/9/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: ~18' bgs
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —
14. TOTAL DEPTH OF HOLE: 35' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
6-SB62-28-28.a 35 (18-inches)	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Backfilled	Grout			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	Asphalt drive					
	1	Backfill					
	2	Gravel material					
	3	very pale brown (10YR 7/3) silty Sand	0-5 PID: 0.0 ppm				
	4						
	5						

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01) HOLE NO: SS61-SB62

HTW DRILLING LOG

HOLE NO. SS61-SB62

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	Same as above.					
	7		5-10 PID: 0.0ppm				
	8	Reddish brown (2.5YR 6/4) Silty Sand v. soft well sorted					
	9						
	10						
	11						
	12		10-15 PID: 0.0ppm				
	13						
	14	pale orange (10YR 7/4) Silty					
	15						
	16	moist Reddish brown (2.5YR 4/4)					
	17	Silty Sand	15-20 PID: 1780				
	18				SS61-SB62-18		
	19	slightly plastic			SS61-SB62-18-MS @ 0745 SS61-SB62-18-MSD		
	20	faint odor @ 20' bgs mottled					
	21	pale orange (10YR 7/3) Silt interminced w/ grey hydrocarbon stained lenses.					
	22						
	23		20-25 PID: 61.4				

HTW DRILLING LOG

HOLE NO. SS61-SB62

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24	23-24' - grey loose (moist) w/ strong odor.					
	25						
	26	Dark grey staining					
	27	Saturated	25-30 PID: 1520				
	28				SS61-SB62-28 @ 0800 SS61-SB62-28-a		
	29	Green staining / high gypsum content pale orange (10YR 7/3) Silt dense.					
	30						
	31						
	32		30-35 PID: 20.8				
	33	↓ grading to dry dense.					
	34	l. reddish brown (2.5YR 6/4) Silty Sand					
	35	TD: 35' bgs			SS61-SB62-35 @ 0815		
	36						
	37						
	38						
	39						
	40						
	41						

HTW DRILLING LOG

HOLE NO. SS61-SB63

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells	SHEET 1 OF 3 SHEETS
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: G3	
5. NAME OF DRILLER: MATT CAIN	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85	
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East	
	9. SURFACE ELEVATION (ft. NGVD)	
	10. DATE STARTED: 12/9/08	11. DATE COMPLETED: 12/9/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: 4.5' BLS	
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —	
14. TOTAL DEPTH OF HOLE: 35' BLS	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
3-SS61-SB63 -16 -28 -35	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
BACKFILLED	GROUT			Gregory T. Lin

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	GRAVEL + ROAD BASE					
	2	LIGHT BROWN (5YR6/4) SILTY SAND), LOOSE, DRY	0-5 PID=1.5				
	3	↓					
	4						
	5						

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01) HOLE NO: SS61-SB63

HTW DRILLING LOG

HOLE NO: SS61-SB63

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: GREG KINSMAN

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	SAME AS ABOVE					
	7						
	8	MODERATE BROWN (5YR 4/4) SILTY SAND	5-10 PID: 0.0				
	9						
	10						
	11						
	12						
	13		10-15 PID: 1.2				
	14						
	15						
	16				SS61-SB63-16 @ 0950		
	17		15-20 PID: 1489				
	18	TOP OF SILTSTONE MODERATE BROWN (5YR 4/4) AND					
	19	MEDIUM GRAY (N5) SILTSTONE - MOTTLED SILTY SAND, MOIST - STRONG ODOR					
	20	MEDIUM GRAY (N5) SILTY SAND					
	21		20-25 PID: 1198				
	22						
	23						

HTW DRILLING LOG

HOLE NO: SS61-SB63

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: GREG KINSMAN

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24	MEDIUM DARK GRAY, STAINED (N4)					
	25						
	26	MEDIUM LIGHT GRAY (N6) SILTY SAND, F-GRAIN - STRONG ODOR	25-30 PID=1596				
	27						
	28						
	29	BOTTOM OF STAINING			SS61-SB63-28@1000		
	30	PALE YELLOWISH BROWN (10YR6/2) SILTY SAND, FAINT ODOR					
	31	TOP OF STAIN GREENISH GRAY (5GY 6/1) SILTY SAND, MODERATE ODOR					
	32		30-35 PID=15.1				
	33						
	34	BOTTOM OF STAIN					
	35	LIGHT BROWN (5YR 5/6) AND VERY PALE ORANGE (10YR 8/2) MOTTLED SILTY SAND W/F-M GYPSUM XLS			SS61-SB63-35@1010		
	36	TD = 35'					
	37						
	38						
	39						
	40						
	41						

HTW DRILLING LOG

HOLE NO: SS61-SB64

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells	SHEET 1 OF 3 SHEETS
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: K1	
5. NAME OF DRILLER: MATT CADW	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85	
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East	
	9. SURFACE ELEVATION (ft. NGVD)	
	10. DATE STARTED: 12/9/08	11. DATE COMPLETED: 12/9/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: ~10' BLS	
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —	
14. TOTAL DEPTH OF HOLE: 35' BLS	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
3- SS61-SB64 -20 -25 -35	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
BACKFILLED	GROUT			

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	GRAVEL + BACKFILL					
	1						
	2	GRAYISH ORANGE (10YR 7/4) SILTY SAND, LOOSE, MOIST, F-GRAIN	0-5 PID: 0.2				
	3						
	4						
	5						

HTW DRILLING LOG

HOLE NO. SS61-SB64

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: GREG KINSMAN

SHEET 2 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	LIGHT BROWN (5YR 6/4) SICTY SAND, F-GRAIN					
	7						
	8		5-10 PID = 1.3				
	9						
	10	VERY PALE ORANGE SICTY SAND, F-GRAIN, LOOSE, MOIST					
	11						
	12		10-15 PID = 1.7				
	13						
	14	LIGHT BROWN (5YR 6/4) SICTY SAND, DENSE, F-GRAIN, FAINT ODOR					
	15						
	16						
	17	MODERATE BROWN (5YR 4/4) AND VERY PALE ORANGE (10YR 8/2) MOTTLED SICTY SAND, DENSE, STRONG (MODERATE) ODOR	15-20 PID = 29.3				
	18						
	19						
	20	MODERATE BROWN (5YR 4/4) TO LIGHT BROWN (5YR 5/6) SANDY SICT, DENSE, STRONG ODOR			SS61-SB64-20@1250		
	21						
	22		20-25 PID = 1569				
	23						

HTW DRILLING LOG

HOLE NO: SS61-SB64

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: GREG KINSMAN

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24	TOP OF STAINING					
	25	MEDIUM GRAY (N5), LIGHT GRAY (N7) AND YELLOWISH GRAY (5Y 8/1) MOTTLED SILTY SAND, F GRAIN, STRONG ODOR			SS61-SB64-25@1300		
	26	GREENISH GRAY (5GY 6/1), MODERATE YELLOWISH BROWN (10YR 5/4), VERY LIGHT GRAY (N8) AND MEDIUM GRAY MOTTLED) SILTY SAND	25-30 PID: 1569 219	CRL 12/9/08			
	30	GREENISH GRAY - STAINED - SILTY SAND, STRONG ODOR BOTTOM OF STAIN					
	31	GRAYISH ORANGE (10YR 7/4) SILTY SAND, FAINT ODOR	30-35 PID: 20.7				
	34	MODERATE BROWN (5YR 4/4) AND VERY PALE ORANGE (10YR 8/4) SILTY SAND AND GYPSUM SAND, F-C GRAIN			SS61-SB64-35@1310		
	36	TD = 35' BLS					
	37						
	38						
	39						
	40						
	41						

HTW DRILLING LOG

HOLE NO: SS61-SB65

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
SHEET 1 OF 3 SHEETS	
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: M7
5. NAME OF DRILLER: MATT CAIN	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 12/9/08 — 11. DATE COMPLETED: 12/9/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: ~15' BLS
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —
14. TOTAL DEPTH OF HOLE: 35'	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
4-SS61-SB65 -14 -14,-A -28	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
BACKFILLED	GROUT			Glenn T. Kin

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	ASPHALT & ROAD BASE					
	1						
	2	LIGHT BROWN (5YR6/4) SILTY SAND, LOOSE, DRY, F-GRAIN	0-5 PID=0.0				
	3						
	4						
	5						

HTW DRILLING LOG

HOLE NO. SS61-SB65

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: GREG KINSMAN

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	SAME AS ABOVE					
	7						
	8		5-10 PID: 0.0				
	9						
	10	MODERATE BROWN (5YR 4/4) SILTY SAND, F-GRAIN					
	11	LIGHT BROWN (5YR 6/4) SILTY SAND, F-GRAIN					
	12						
	13		10-15 PID: 0.0				
	14	MODERATE BROWN AND VERY PALE ORANGE (10YR 8/2) MOTTLED SILTY SAND, MOIST, MINOR GYPSUM RICH, F-GRAIN			SS61-SB65-14@1445		
	15						
	16						
	17		15-20 PID: 0.0				
	18						
	19				SS61-SB65-19@1500 SS61-SB65-19-Q@1500		
	20	LIGHT BROWN (5YR 6/4) AND MODERATE BROWN CLAY OX (5YR 4/4) SANDY SILT, LOOSE, W/ MINOR VERY PALE ORANGE MOTTLING					
	21		20-25 PID: 0.0				
	22						
	23						

HTW DRILLING LOG

HOLE NO: SS61-SB65

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: GREG KINSMAN

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24	SAME AS ABOVE					
	25						
	26		25-30				
	27	YELLOWISH GRAY (5Y 8/1) SILTY SAND W/ DARK YELLOWISH ORANGE (10YR 6/6) STAINING (IRON?)	PID = 0.0				
	28	@28'			SS61-SB65-28 @ 1515		
	29	MODERATE BROWN AND VERY PALE ORANGE MOTTLED SILTY SAND, DENSE					
	30	GRAYISH ORANGE (10YR 7/4) SILTY SAND, DENSE					
	31						
	32		30-35				
	33		PID = 1.1				
	34						NO PETROLEUM STAINING OBSERVED!
	35	TD = 35 1/2 BLS					
	36						
	37						
	38						
	39						
	40						
	41						

HTW DRILLING LOG

HOLE NO: SS61-SB66/MW15

SHEET 1 OF 3 SHEETS

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: MW15
5. NAME OF DRILLER: Matt Cain	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 11/25/08 — 11. DATE COMPLETED: 11/25/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED
14. TOTAL DEPTH OF HOLE: 28' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Perm. monitoring well		2"/Flushmnt		

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No f	Blow Counts g	REMARKS h
	0	Gravel Backfill Material					2" monitoring well installed 3&3" concrete pad
	1	very pale brown (10YR 7/3) silty sand loose dry					
	2						
	3						
	4						
	5						

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

HOLE NO: SS61/SB66 MW15

HTW DRILLING LOG

HOLE NO. SS61/SB66 / MW15

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beek

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	Light reddish brown (2.5YR 6/4)					
	7	Silt					
	8						
	9						
	10	moist					
	11						
	12						
	13						
	14						
	15	See boring log (SS61-SB33)	PID off auger cuttings 525ppm				
	16						
	17						
	18						
	19						
	20		PID: 998 (off auger cuttings)				
	21						
	22						
	23						

HTW DRILLING LOG

HOLE NO: SS61-SB66/MW15

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24		PID: 166 (off auger cuttings)				
	25						
	26						
	27						
	28	TD: 28' bgs					
	29						
	30						
	31						
	32						
	33						
	34						
	35						
	36						
	37						
	38						
	39						
	40						
	41						

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

HOLE NO. SS61-SB66/MW15

HTW DRILLING LOG

HOLE NO: SS61-SB67/MW16

1. COMPANY NAME: Bhate Environmental Associates	2. DRILLING CONTRACTOR: WDC Exploration & Wells	SHEET 1 OF 3 SHEETS
3. PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)	4. LOCATION: SS-61 Grid Location: MW16	
5. NAME OF DRILLER: Matt	6. MANUFACTURER'S DESIGNATION OF DRILL: Central Mining Equipment 85	
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CME-85 drill rig; 8.25-inch OD hollow stem augers (5=ft length); 4-inch x 5-ft continuous stainless steel samplers	8. HOLE LOCATION: North East	
	9. SURFACE ELEVATION (ft. NGVD)	
	10. DATE STARTED: 11/25/08	11. DATE COMPLETED: 11/25/08
12. OVERBURDEN THICKNESS: —	15. DEPTH GROUNDWATER ENCOUNTERED: 10-15' bgs	
13. DEPTH DRILLED INTO ROCK: —	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —	
14. TOTAL DEPTH OF HOLE: 20' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	NA	NA	NA

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
	8260B	NA	8015B (TPH)	NA	NA	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
2" Perm Well		2" / Flush mt.		

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0–5	See boring log (SS61-SB34)					Installed 2" MW w/ Flush mt completion

HTW DRILLING LOG

HOLE NO: SS61-SB67/MW16

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 2 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6						
	7						
	8						
	9						
	10		PID: 0.0 (off auger cuttings)				
	11						
	12						
	13						
	14						
	15						
	16						
	17						
	18						
	19						
	20		PID: 0.6 (off auger cuttings)				
	21						
	22						
	23						

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

HOLE NO: SS61-SB67/MW16

HTW DRILLING LOG

HOLE NO: SS61-SB67/MW16

PROJECT: SS-61 VCM Addendum (Project Number: 9080130.02.01)

INSPECTOR: Zachary Beck

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24						
	25		PID: 0.0 (off auger cuttings)				
	26						
	27						
	28	TD: 28' bgs					
	29						
	30						
	31						
	32						
	33						
	34						
	35						
	36						
	37						
	38						
	39						
	40						
	41						

BHATE
Environmental Engineers and Scientists

WELL CONSTRUCTION DIAGRAM (Flush Mount)

SITE: Spill Site 61 (SSS-61)
PROJECT NAME: SS-61 VCM Addendum, HAFB NM
PROJECT NO./PHASE: 9080130.02.01
DRILLING CONTRACTOR: WDC Exploration and Wells
DRILLER: Matt Cain
GEOLOGIST: Zachary Beck/ Dustin McNeil

WELL/BORING ID: SS61-MW15 (SS61-SB66)
DRILLING METHOD: Hollow Stem Auger
DATE(S): 11/25/08
SURVEYOR:
NORTHING (NAD 83):
EASTING (NAD 83):

NOT TO SCALE

Surface Elevation (NAVD 88):
Casing Elevation (NAVD 88):

Borehole Diameter (in): 8.25"
Well Casing Diameter (in): 2"

DEPTH TO WATER
During Drilling: ~ 10' bgs
Date: 11/25/08
Pre Development:
Date:
Post Development: 9.74 BTOC
Date: 12/4/08

Top of Secondary Filter Pack: 13.0
Top of Filter Pack: 15.5
Top of Screen: 18.5

Bottom of Screen: 28.5
Bottom of Well: 28.57
Bottom of Filter Pack: 29.0
Borehole Depth: 29.0

PROTECTIVE CASING
Type: Flush mount (No bollards)
Dimensions:
Length:

Existing Surface

SURFACE PAD
Dimensions: 2'
Type: Concrete

WELL CASING (RISER)
Manufacturer: Alba pipe
Type/Material: PVC
Diameter (in): 2"
Connection: Threaded

WELL SCREEN
Manufacturer: Alba. pipe
Type/Material: PVC
Slot Size (in): 0.010
Slot Type: Continuous (Factory Slot)
Connection: Threaded

ANNULAR SEAL
Type: Grout
Manufacturer: Black Hills Bentonite
Mud Scale: NA
Installation: (Gravity) Tremie Pressure
Volume: 4.42 ft3
Hydration Time: NA

SECONDARY FILTER PACK
Manufacturer: Black Hills Bentonite
Product Name: Bentonite Chip
Size: 3/8"
Volume (ft3): 0.51 ft3
Installation: Tremie (Gravity)

PRIMARY FILTER PACK
Manufacturer: Oglebay Norton
Product Name: Silica Sand
Size: 10x20
Volume (ft3): 4.93 ft3
Installation: Tremie (Gravity)

SUMP/END CAP
Type: Threaded end cap.
Length: 3"

BACKFILL MATERIAL
Type: NA
Volume: NA

Comments:

BHATE
Environmental Engineers and Scientists

WELL CONSTRUCTION DIAGRAM (Flush Mount)

SITE: Spill Site 61 (SSS-61)
PROJECT NAME: SS-61 VCM Addendum, HAFB NM
PROJECT NO./PHASE: 9080130.02.01
DRILLING CONTRACTOR: WDC Exploration and Wells
DRILLER: Matt Cain
GEOLOGIST: Zachary Beck/ Dustin McNeil

WELL/BORING ID: SS61-MW16 (SS61-SB67)
DRILLING METHOD: Hollow Stem Auger
DATE(S): 11/25/08
SURVEYOR:
NORTHING (NAD 83):
EASTING (NAD 83):

NOT TO SCALE

Surface Elevation (NAVD 88):
Casing Elevation (NAVD 88):
Borehole Diameter (in): 8.25"
Well Casing Diameter (in): 2"

DEPTH TO WATER
During Drilling: 11.33
Date 11/25/08
Pre Development:
Date
Post Development: 11.34 BTOC
Date 12/5/08

Top of Secondary Filter Pack: 13.0
Top of Filter Pack: 15'8"
Top of Screen: 18.0

Bottom of Screen: 28.0
Bottom of Well: 28.45
Bottom of Filter Pack: 29.0
Borehole Depth: 29.0 bgs

PROTECTIVE CASING
Type: Flush mt (No Bollards)
Dimensions:
Length:

Existing Surface

SURFACE PAD
Dimensions: 2'
Type: Concrete

WELL CASING (RISER)
Manufacturer: Alba. Pipe
Type/Material: PVC
Diameter (in): 2"
Connection: Threaded

WELL SCREEN
Manufacturer: Alba. Pipe
Type/Material: PVC
Slot Size (in): 0.010
Slot Type: Continuous (Factory Slot)
Connection: Threaded

ANNULAR SEAL
Type: Grout
Manufacturer: Blackhills Bentonite
Mud Scale: NA
Installation: (Gravity) Tremie Pressure
Volume: 4.42 ft3
Hydration Time: NA

SECONDARY FILTER PACK
Manufacturer: Black Hills Bentonite
Product Name: Bentonite Chips
Size: 3/8"
Volume (ft3): 0.51 ft3
Installation: Tremie (Gravity)

PRIMARY FILTER PACK
Manufacturer: Oglebay Norton
Product Name: Silica Sand
Size: 10x20
Volume (ft3): 4.93 ft3
Installation: (Tremie) Gravity

SUMP/END CAP
Type: PVC
Length: 3"

BACKFILL MATERIAL
Type: NA
Volume: NA

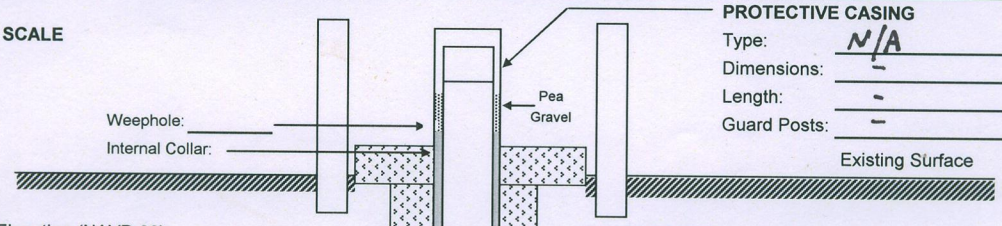
Comments:

BHATE
Environmental Engineers and Scientists

WELL CONSTRUCTION DIAGRAM (Abovegrade)

SITE:	Spill Site 61 (SSS-61)	**WELL/BORING ID:**	SS61-TMW 80 / SS61-SB13
PROJECT NAME:	SS-61 VCM Addendum, HAFB NM	**DRILLING METHOD:**	Hollow Stem Auger
PROJECT NO./PHASE:	9080130.02.01	**DATE(S):**	11/20/08
DRILLING CONTRACTOR:	WDC Exploration and Wells	**SURVEYOR:**	
DRILLER:	Matt Cain	**NORTHING (NAD 83):**	
GEOLOGIST:	Zachary Beck/ Dustin McNeil	**EASTING (NAD 83):**	

NOT TO SCALE



PROTECTIVE CASING
Type: N/A
Dimensions: -
Length: -
Guard Posts: -

Surface Elevation (NAVD 88):
Casing Elevation (NAVD 88):
Casing Stickup (ft): 2"

Borehole Diameter (in): 8.25"
Well Casing Diameter (in): 1"

DEPTH TO WATER
During Drilling: 11/20/08
Date ~20' bgs
Pre Development: 13.93' bgs
Date 11/20/08 1615
Post Development: 16.59 BTOC
Date 12/3/08

Top of Secondary Filter Pack: NA
Top of Filter Pack: 16'
Top of Screen: 18'

Bottom of Screen: 28'
Bottom of Well: 28.2'
Bottom of Filter Pack: 28.2
Borehole Depth: 35

SURFACE PAD
Dimensions: NA
Type: NA

WELL CASING (RISER)
Manufacturer: GeoInsight
Type/Material: PVC
Diameter (in): 1"
Connection: Threaded

WELL SCREEN
Manufacturer: GeoInsight
Type/Material: Prepack / PVC
Slot Size (in): 0.010
Slot Type: Continuous ~~Factory Slot~~
Connection: Threaded

ANNULAR SEAL
Type: Bentonite Chip
Manufacturer: Black Hills Bentonite
Mud Scale: NA
Installation: Gravity (Tremie) Pressure
Volume: (9 bgs) = 5.52 ft³
Hydration Time: NA

SECONDARY FILTER PACK
Manufacturer: NA
Product Name: -
Size: -
Volume (ft3): -
Installation: Tremie Gravity

PRIMARY FILTER PACK
Manufacturer: Ogleby Norton
Product Name: Silica Sand
Size: 10/20
Volume (ft3): 3.45 ft³
Installation: (Tremie) Gravity

SUMP/END CAP
Type: PVC Threaded
Length:

BACKFILL MATERIAL
Type: Bentonite
Volume: 3.42 ft³

Comments:

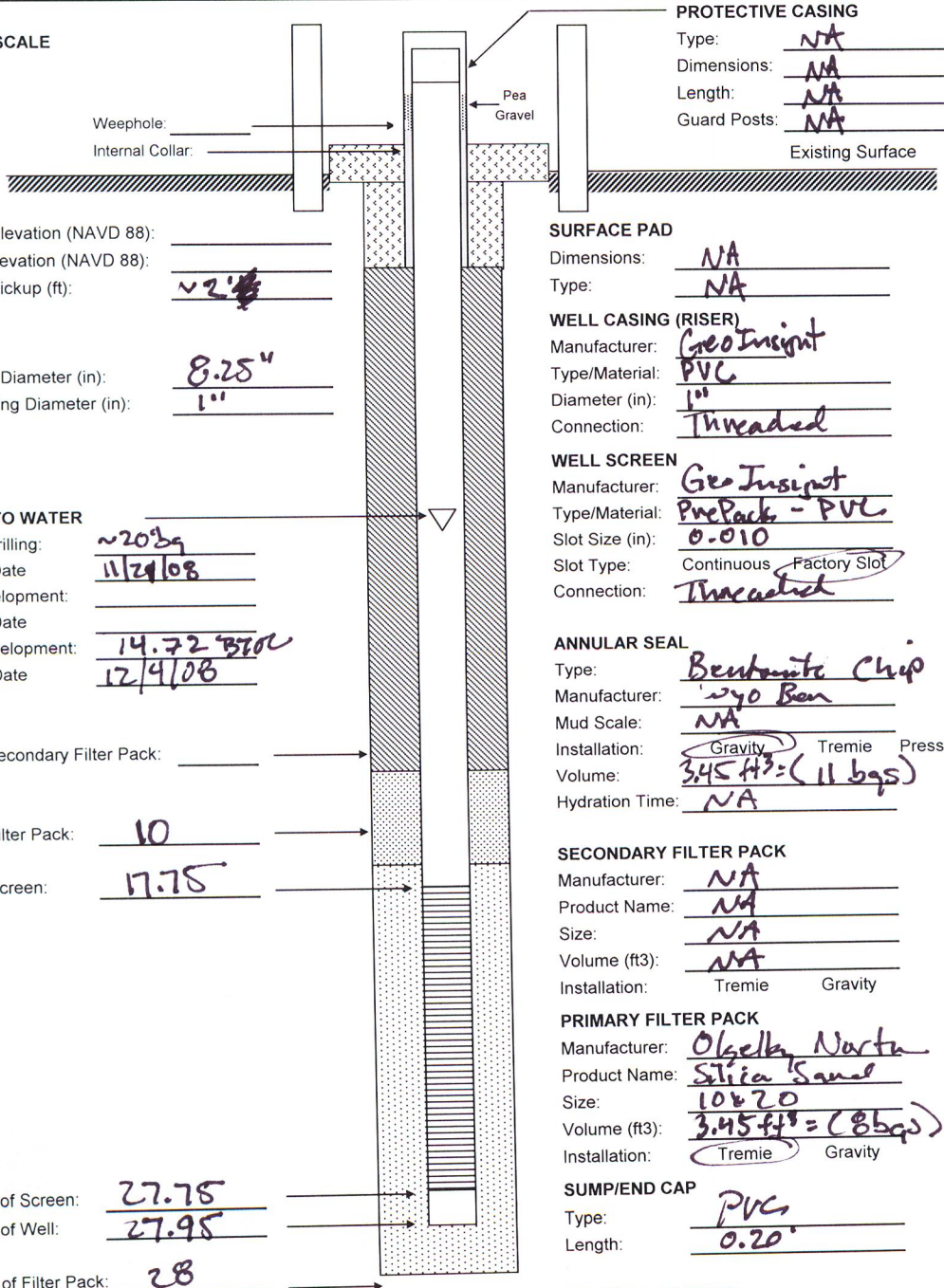
Total depth 27.71 from ground surface

BHATE
Environmental Engineers and Scientists

WELL CONSTRUCTION DIAGRAM (Abovegrade)

SITE:	Spill Site 61 (SSS-61)	**WELL/BORING ID:**	SS61-TMW B1 / SB16
PROJECT NAME:	SS-61 VCM Addendum, HAFB NM	**DRILLING METHOD:**	Hollow Stem Auger
PROJECT NO./PHASE:	9080130.02.01	**DATE(S):**	11/21/08
DRILLING CONTRACTOR:	WDC Exploration and Wells	**SURVEYOR:**	
DRILLER:	Matt Cair	**NORTHING (NAD 83):**	
GEOLOGIST:	Zachary Beck/ Dustin McNeil	**EASTING (NAD 83):**	

NOT TO SCALE



PROTECTIVE CASING
Type: NA
Dimensions: NA
Length: NA
Guard Posts: NA

Surface Elevation (NAVD 88):
Casing Elevation (NAVD 88):
Casing Stickup (ft): ~2'

Borehole Diameter (in): 8.25"
Well Casing Diameter (in): 1"

DEPTH TO WATER
During Drilling: ~20' bg
Date: 11/21/08
Pre Development:
Date:
Post Development: 14.72' BTOC
Date: 12/4/08

Top of Secondary Filter Pack:
Top of Filter Pack: 10
Top of Screen: 17.75

Bottom of Screen: 27.75
Bottom of Well: 27.95
Bottom of Filter Pack: 28
Borehole Depth: 35

SURFACE PAD
Dimensions: NA
Type: NA

WELL CASING (RISER)
Manufacturer: GeoInsight
Type/Material: PVC
Diameter (in): 1"
Connection: Threaded

WELL SCREEN
Manufacturer: GeoInsight
Type/Material: PrePack - PVC
Slot Size (in): 0.010
Slot Type: Continuous (Factory Slot)
Connection: Threaded

ANNULAR SEAL
Type: Bentonite Chip
Manufacturer: Wyo Ben
Mud Scale: NA
Installation: (Gravity) Tremie Pressure
Volume: 3.45 ft3 = (11 bgs)
Hydration Time: NA

SECONDARY FILTER PACK
Manufacturer: NA
Product Name: NA
Size: NA
Volume (ft3): NA
Installation: Tremie Gravity

PRIMARY FILTER PACK
Manufacturer: Oglebay Norton
Product Name: Silica Sand
Size: 10x20
Volume (ft3): 3.45 ft3 = (8 bgs)
Installation: (Tremie) Gravity

SUMP/END CAP
Type: PVC
Length: 0.20'

BACKFILL MATERIAL
Type: Bentonite Chip
Volume: 2.44 ft3

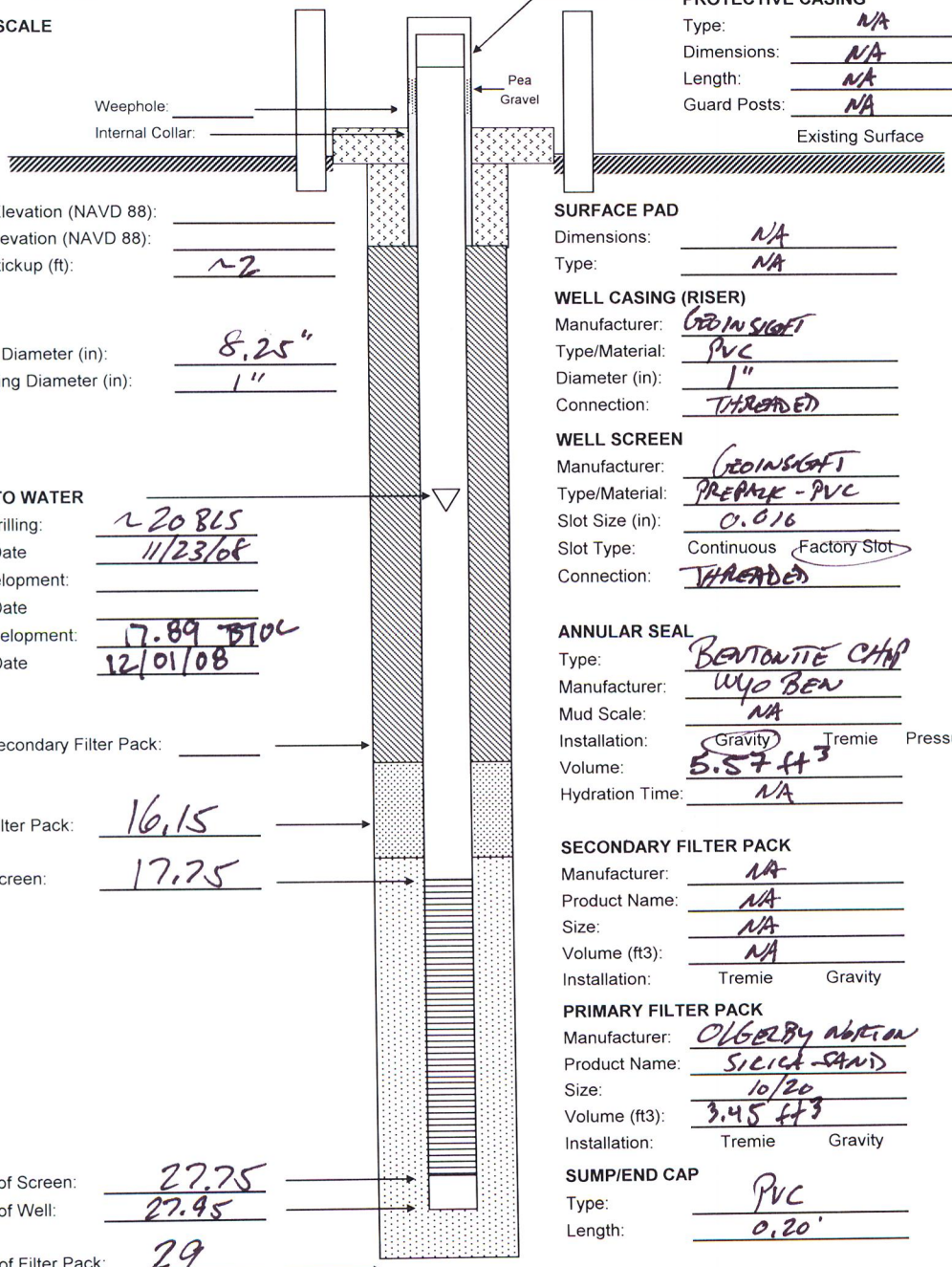
Comments:

BHATE
Environmental Engineers and Scientists

WELL CONSTRUCTION DIAGRAM (Abovegrade)

SITE:	Spill Site 61 (SSS-61)	**WELL/BORING ID:**	SS61-TMW82 / SB21
PROJECT NAME:	SS-61 VCM Addendum, HAFB NM	**DRILLING METHOD:**	Hollow Stem Auger
PROJECT NO./PHASE:	9080130.02.01	**DATE(S):**	11/23/08
DRILLING CONTRACTOR:	WDC Exploration and Wells	**SURVEYOR:**	
DRILLER:	MATT CAIN	**NORTHING (NAD 83):**	
GEOLOGIST:	GSK 11/23/08 ~~Zachary Beck~~ Dustin McNeil / GREG KINSMAN	**EASTING (NAD 83):**	

NOT TO SCALE



PROTECTIVE CASING
- Type: N/A
- Dimensions: NA
- Length: NA
- Guard Posts: NA

Surface Elevation (NAVD 88):
Casing Elevation (NAVD 88):
Casing Stickup (ft): ~2

Borehole Diameter (in): 8.25"
Well Casing Diameter (in): 1"

DEPTH TO WATER
- During Drilling: ~20 BLS
- Date: 11/23/08
- Pre Development:
- Date:
- Post Development: 17.89 TOC
- Date: 12/01/08

Top of Secondary Filter Pack:

Top of Filter Pack: 16.15

Top of Screen: 17.75

Bottom of Screen: 27.75
Bottom of Well: 27.95

Bottom of Filter Pack: 29

Borehole Depth: 35

SURFACE PAD
- Dimensions: NA
- Type: NA

WELL CASING (RISER)
- Manufacturer: GEOINSIGHT
- Type/Material: PVC
- Diameter (in): 1"
- Connection: THREADED

WELL SCREEN
- Manufacturer: GEOINSIGHT
- Type/Material: PREPACK - PVC
- Slot Size (in): 0.010
- Slot Type: Continuous (Factory Slot)
- Connection: THREADED

ANNULAR SEAL
- Type: BENTONITE CHIP
- Manufacturer: WYO BEN
- Mud Scale: NA
- Installation: (Gravity) Tremie Pressure
- Volume: 5.57 ft³
- Hydration Time: NA

SECONDARY FILTER PACK
- Manufacturer: NA
- Product Name: NA
- Size: NA
- Volume (ft3): NA
- Installation: Tremie Gravity

PRIMARY FILTER PACK
- Manufacturer: OLGEBY NORTON
- Product Name: SILICA SAND
- Size: 10/20
- Volume (ft3): 3.45 ft³
- Installation: Tremie Gravity

SUMP/END CAP
- Type: PVC
- Length: 0.20'

BACKFILL MATERIAL
- Type: BENTONITE CHIPS
- Volume: 2.09 ft³

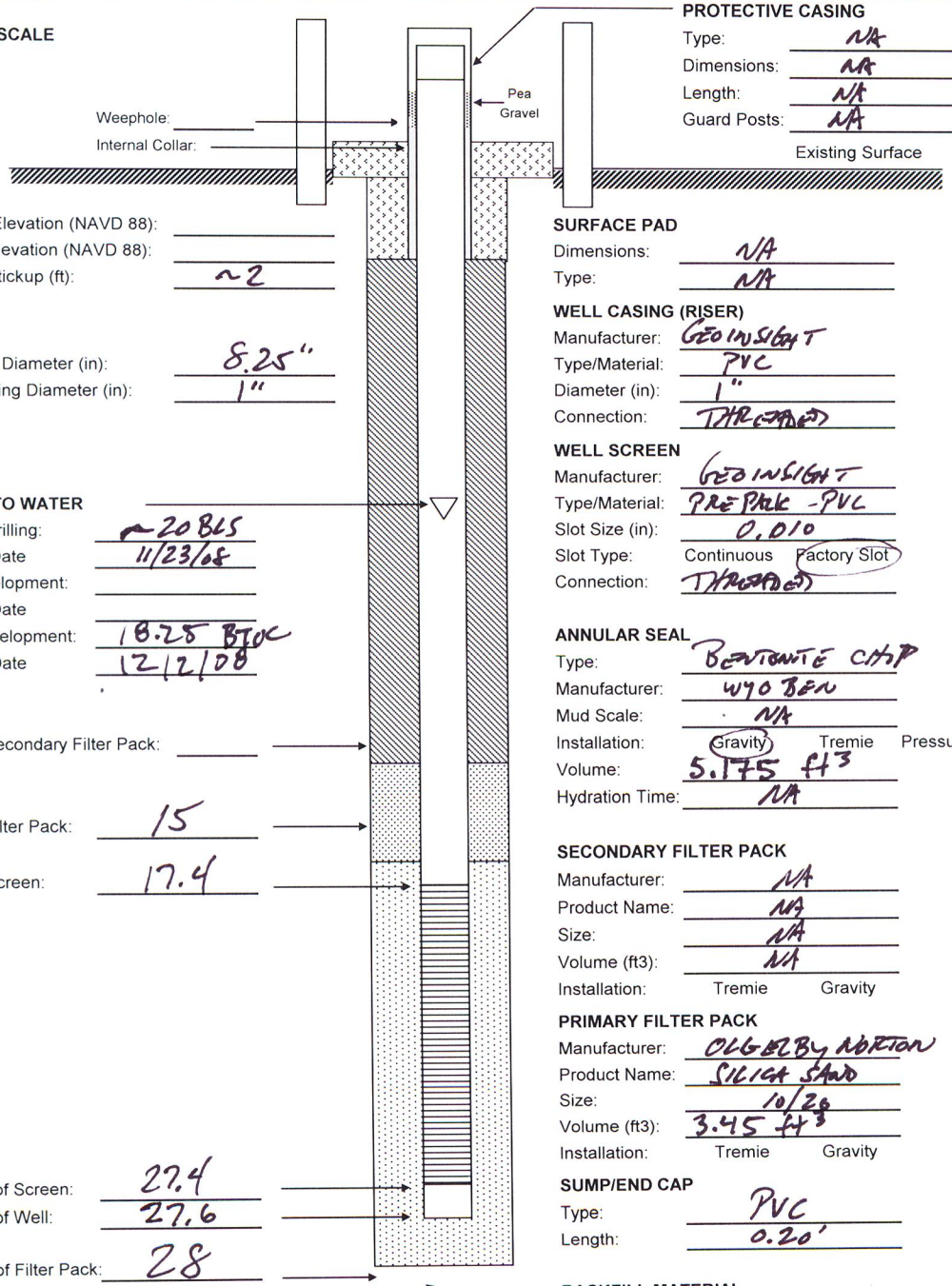
Comments:

BHATE
Environmental Engineers and Scientists

WELL CONSTRUCTION DIAGRAM (Abovegrade)

SITE:	Spill Site 61 (SSS-61)	**WELL/BORING ID:**	SS61-TMW 83 / SB23
PROJECT NAME:	SS-61 VCM Addendum, HAFB NM	**DRILLING METHOD:**	Hollow Stem Auger
PROJECT NO./PHASE:	9080130.02.01	**DATE(S):**	11/23/08
DRILLING CONTRACTOR:	WDC Exploration and Wells	**SURVEYOR:**	
DRILLER:	MATT CAIN	**NORTHING (NAD 83):**	
GEOLOGIST:	CTK 11/23/08 ~~Zachary Beck~~ / Dustin McNeil / GREG KINSMAN	**EASTING (NAD 83):**	

NOT TO SCALE



PROTECTIVE CASING
- Type: NA
- Dimensions: NA
- Length: NA
- Guard Posts: NA

Surface Elevation (NAVD 88):
Casing Elevation (NAVD 88):
Casing Stickup (ft): ~2

Borehole Diameter (in): 8.25"
Well Casing Diameter (in): 1"

DEPTH TO WATER
- During Drilling: ~20 BGS
- Date: 11/23/08
- Pre Development:
- Date:
- Post Development: 18.25 BTOC
- Date: 12/2/08

SURFACE PAD
- Dimensions: NA
- Type: NA

WELL CASING (RISER)
- Manufacturer: GEOINSIGHT
- Type/Material: PVC
- Diameter (in): 1"
- Connection: THREADED

WELL SCREEN
- Manufacturer: GEOINSIGHT
- Type/Material: PRE PACK - PVC
- Slot Size (in): 0.010
- Slot Type: Continuous (Factory Slot)
- Connection: THREADED

ANNULAR SEAL
- Type: BENTONITE CHIP
- Manufacturer: WYO BEN
- Mud Scale: NA
- Installation: (Gravity) Tremie Pressure
- Volume: 5.175 ft3
- Hydration Time: NA

SECONDARY FILTER PACK
- Manufacturer: NA
- Product Name: NA
- Size: NA
- Volume (ft3): NA
- Installation: Tremie Gravity

PRIMARY FILTER PACK
- Manufacturer: OLGEBY NORTON
- Product Name: SILICA SAND
- Size: 10/20
- Volume (ft3): 3.45 ft3
- Installation: Tremie Gravity

SUMP/END CAP
- Type: PVC
- Length: 0.20'

BACKFILL MATERIAL
- Type: BENTONITE CHIPS
- Volume: 2.44 ft3

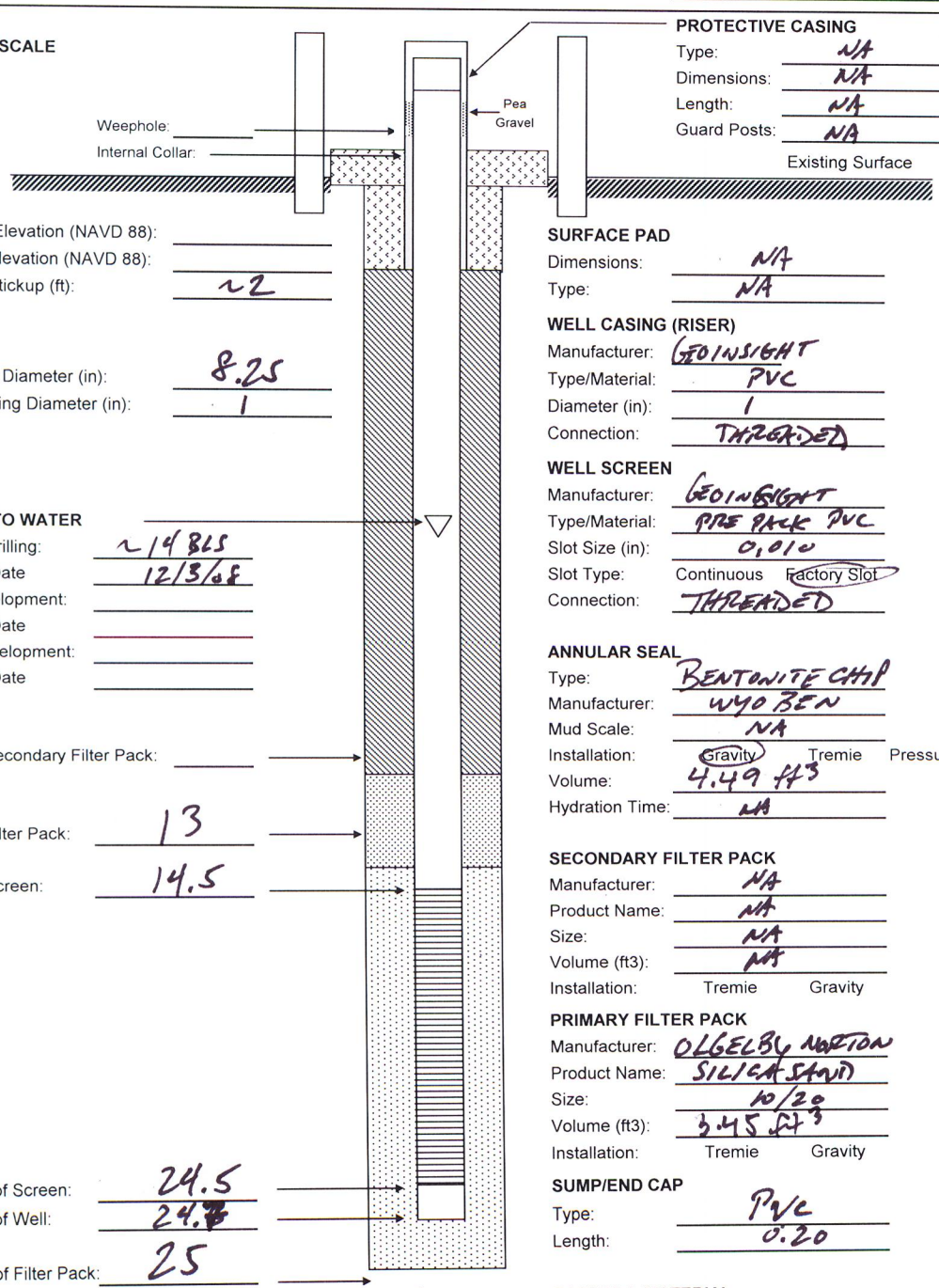
Comments:

BHATE
Environmental Engineers and Scientists

WELL CONSTRUCTION DIAGRAM (Abovegrade)

SITE:	Spill Site 61 (SSS-61)	**WELL/BORING ID:**	SS61-TMW 84 / SB41
PROJECT NAME:	SS-61 VCM Addendum, HAFB NM	**DRILLING METHOD:**	Hollow Stem Auger
PROJECT NO./PHASE:	9080130.02.01	**DATE(S):**	12/3/08
DRILLING CONTRACTOR:	WDC Exploration and Wells	**SURVEYOR:**	
DRILLER:		**NORTHING (NAD 83):**	
GEOLOGIST:	Zachary Beck/ Dustin McNeil	**EASTING (NAD 83):**	

NOT TO SCALE



PROTECTIVE CASING
- Type: NA
- Dimensions: NA
- Length: NA
- Guard Posts: NA

Surface Elevation (NAVD 88):
Casing Elevation (NAVD 88):
Casing Stickup (ft): ~2

Borehole Diameter (in): 8.25
Well Casing Diameter (in): 1

DEPTH TO WATER
- During Drilling: ~14 BLS
- Date: 12/3/08
- Pre Development:
- Date:
- Post Development:
- Date:

SURFACE PAD
- Dimensions: NA
- Type: NA

WELL CASING (RISER)
- Manufacturer: GEOINSIGHT
- Type/Material: PVC
- Diameter (in): 1
- Connection: THREADED

WELL SCREEN
- Manufacturer: GEOINSIGHT
- Type/Material: PRE PACK PVC
- Slot Size (in): 0.010
- Slot Type: Continuous (Factory Slot)
- Connection: THREADED

ANNULAR SEAL
- Type: BENTONITE CHIP
- Manufacturer: WYO BEN
- Mud Scale: NA
- Installation: (Gravity) Tremie Pressure
- Volume: 4.49 ft3
- Hydration Time: NA

SECONDARY FILTER PACK
- Manufacturer: NA
- Product Name: NA
- Size: NA
- Volume (ft3): NA
- Installation: Tremie Gravity

PRIMARY FILTER PACK
- Manufacturer: OLGELBY NORTON
- Product Name: SILICA SAND
- Size: 10/20
- Volume (ft3): 3.45 ft3
- Installation: Tremie Gravity

SUMP/END CAP
- Type: PVC
- Length: 0.20

BACKFILL MATERIAL
- Type: BENTONITE CHIPS
- Volume: 3.35 ft3

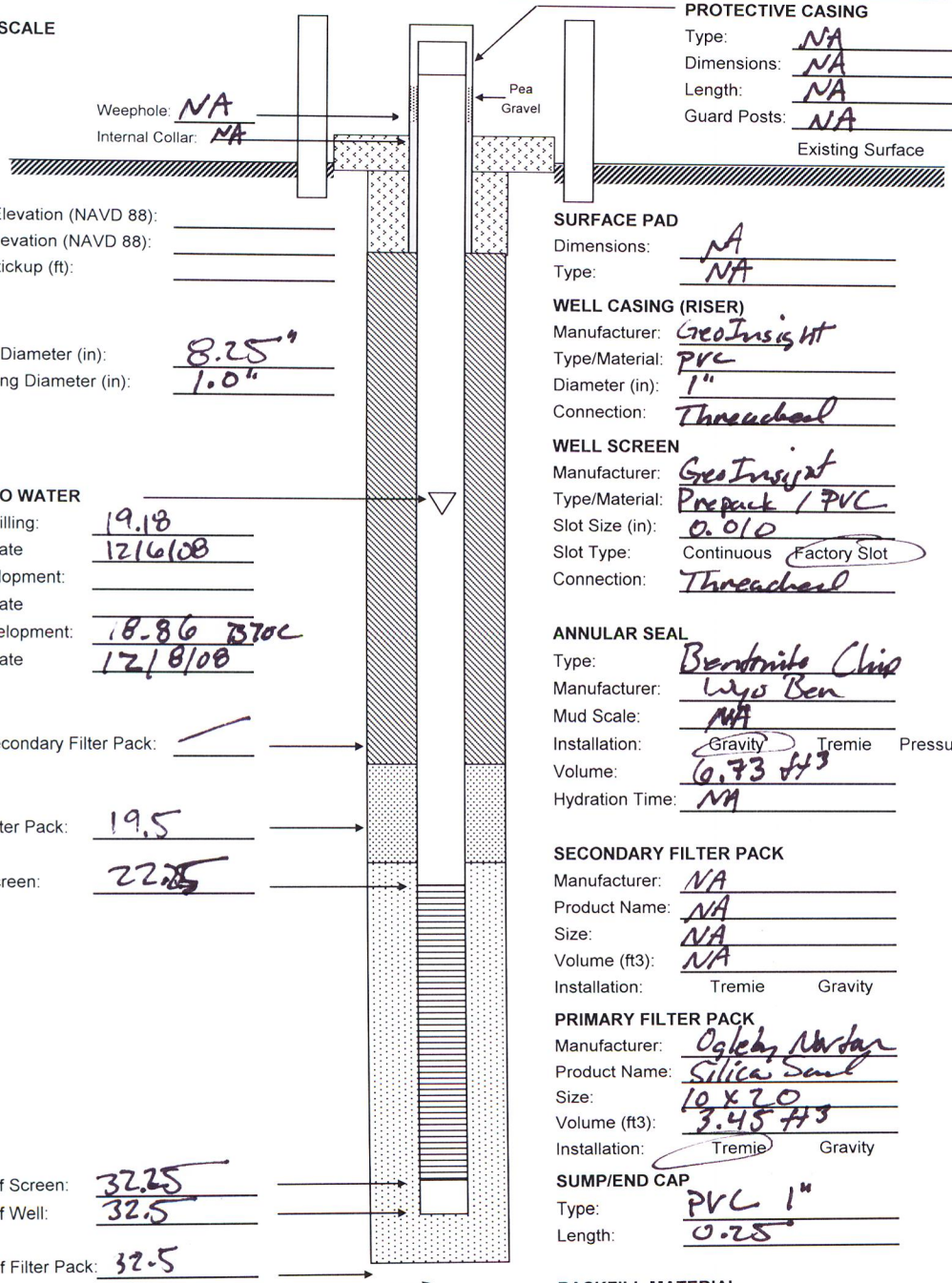
Comments:

BHATE
Environmental Engineers and Scientists

WELL CONSTRUCTION DIAGRAM (Abovegrade)

SITE:	Spill Site 61 (SSS-61)	**WELL/BORING ID:**	SS61-TMW 85 / SB52
PROJECT NAME:	SS-61 VCM Addendum, HAFB NM	**DRILLING METHOD:**	Hollow Stem Auger
PROJECT NO./PHASE:	9080130.02.01	**DATE(S):**	12/6/08
DRILLING CONTRACTOR:	WDC Exploration and Wells	**SURVEYOR:**	
DRILLER:	Matt Cain	**NORTHING (NAD 83):**	
GEOLOGIST:	Zachary Beck/ Dustin McNeil	**EASTING (NAD 83):**	

NOT TO SCALE



PROTECTIVE CASING
Type: NA
Dimensions: NA
Length: NA
Guard Posts: NA

Surface Elevation (NAVD 88):
Casing Elevation (NAVD 88):
Casing Stickup (ft):

Borehole Diameter (in): 8.25"
Well Casing Diameter (in): 1.0"

DEPTH TO WATER
During Drilling: 19.18
Date: 12/6/08
Pre Development:
Date:
Post Development: 18.86 @ 370c
Date: 12/8/08

Top of Secondary Filter Pack:
Top of Filter Pack: 19.5
Top of Screen: 22.5

Bottom of Screen: 32.25
Bottom of Well: 32.5
Bottom of Filter Pack: 32.5
Borehole Depth: 35

SURFACE PAD
Dimensions: NA
Type: NA

WELL CASING (RISER)
Manufacturer: GeoInsight
Type/Material: PVC
Diameter (in): 1"
Connection: Threaded

WELL SCREEN
Manufacturer: GeoInsight
Type/Material: Prepack / PVC
Slot Size (in): 0.010
Slot Type: Continuous (Factory Slot)
Connection: Threaded

ANNULAR SEAL
Type: Bentonite Chip
Manufacturer: Wyo Ben
Mud Scale: NA
Installation: (Gravity) Tremie Pressure
Volume: 6.73 ft3
Hydration Time: NA

SECONDARY FILTER PACK
Manufacturer: NA
Product Name: NA
Size: NA
Volume (ft3): NA
Installation: Tremie Gravity

PRIMARY FILTER PACK
Manufacturer: Oglebay Norton
Product Name: Silica Sand
Size: 10 x 20
Volume (ft3): 3.45 ft3
Installation: (Tremie) Gravity

SUMP/END CAP
Type: PVC 1"
Length: 0.25

BACKFILL MATERIAL
Type: Natural Collapse (Sloughs)
Volume: 0.87 ft3

9 bags Sand
10 bags Chips

Comments: Stickup – temp completion.

MONITORING WELL DEVELOPMENT FORM

BHATE
Environmental Engineers and Scientist

LOCATION	Site: SS-61 (Spill Site 61)		Location ID: SS61-MW15	Date: 12/01/08	
	Project Name: VCM Addendum		Project No./Phase: 9080130.02.01	Recorded By: DM (Dustin McNeil)	
EQUIPMENT	Pump Type/ID#: Monsoon # 1075		Water Quality Meter/ID#: YSI-556 # U53490X	PID Type/ID#:	
	Water Level Indicator Type/ID#: Keck # 3148		Other Equipment/ID#: Hanna Turbidity # U56026X	Decon Method: Liquinox	
	Tubing Type/Diameter (in): ½" Poly		Other Equipment/ID#:	PPE Level: (D) C B A	
WELL INFO	(A) Initial Depth to Water (ft BTOC): 9.42		Casing: Type 2" PVC Diam. (in) 2"	Weather: sunny, warm, ~65° F	
	(B) Total Well Depth (ft BTOC): 25.98		(E) Casing Volume Multiplier (gal/lin ft): 0.16	Background PID (ppm):	
	(C) Water Column Thickness (ft) (B-A): 16.56		Screen Length (lin ft): 10'	Breathing Zone PID (ppm):	
	(D) Well Volume (gal) (C x E): 2.65		Screen Info: Type: PVC Size: 0.010" slot	Well Opening PID (ppm):	

CASING INFO										
Riseer/Well Casing Inner Diameter (in)	0.50	1.00	1.50	2.00	3.00	4.00	5.0	6.0	8.0	10
(D) Casing Volume Multiplier(gal/lin ft)	0.02	0.04	0.10	0.16	0.38	0.65	1.02	1.47	2.61	4.08

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(mL)~~ gallons	Pumping Rate (mLpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Remarks (odor, clarity, etc.)
12/01/08	1430	10.02	2.65	~750	21.71	6.96	3.349	3.16	>1000	-314.7	sulfur/petroleum odor
12/01/08	1445	10.36	5.30	~750	21.68	6.94	3.372	2.40	807	-335.7	"
12/01/08	1500	10.51	7.95	~750	21.71	6.94	3.388	1.44	550	-338.6	"
12/01/08	1515	10.50	10.60	~750	21.68	6.93	3.393	1.06	167	-340.3	"
12/01/08	1530	10.49	13.25	~750	21.62	6.93	3.398	1.24	50.9	-332.6	"
12/01/08	1545	10.51	15.90	~750	21.66	6.93	3.401	1.43	26.6	-326.9	"
12/01/08	1600	10.50	18.55	~750	21.61	6.93	3.397	1.51	25.1	-320.1	"
12/01/08	1615	10.50	21.20	~750	21.58	6.93	3.395	1.57	24.0	-318.0	"
DEVELOPMENT CRITERIA											
+/- 10% unless otherwise noted					+/- 0.5	+/- 0.1	+/- 25	+/- 0.2	< 50.0	+/- 20	

COMMENTS:

MONITORING WELL DEVELOPMENT FORM

BHATE
Environmental Engineers and Scientist

LOCATION	Site: SS-61 (Spill Site 61)	Location ID: SS61-MW16	Date: 12/02/08
	Project Name: VCM Addendum	Project No./Phase: 9080130.02.01	Recorded By: DM (DustinMcNeil)
EQUIPMENT	Pump Type/ID#: Monsoon # 1075	Water Quality Meter/ID#: YSI-556 # U53490X	PID Type/ID#:
	Water Level Indicator Type/ID#: Keck #3148	Other Equipment/ID#: Hanna Turbidity # U56026X	Decon Method:
	Tubing Type/Diameter (in): 1/2" Poly	Other Equipment/ID#:	PPE Level: (D) C B A
WELL INFO	(A) Initial Depth to Water (ft BTOC): 11.25	Casing: Type PVC Diam. (in) 2"	Weather: sunny, windy, warm, ~65°F
	(B) Total Well Depth (ft BTOC): 27.47	(E) Casing Volume Multiplier (gal/lin ft): 0.16	Background PID (ppm):
	(C) Water Column Thickness (ft) (B-A): 16.22	Screen Length (lin ft): 10'	Breathing Zone PID (ppm):
	(D) Well Volume (gal) (C x E): 2.59	Screen Info: Type: PVC (2") Size: 0.010" slot	Well Opening PID (ppm):

CASING INFO										
Riseer/Well Casing Inner Diameter (in)	0.50	1.00	1.50	2.00	3.00	4.00	5.0	6.0	8.0	10
(D) Casing Volume Multiplier(gal/lin ft)	0.02	0.04	0.10	0.16	0.38	0.65	1.02	1.47	2.61	4.08

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(mL)~~ gallons	Pumping Rate (mLpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Remarks (odor, clarity, etc.)
12/02/08	1420	11.46	2.6	~750	22.37	7.05	3.897	2.60	>1000	-97.9	sulfur/petroleum odor
12/02/08	1435	11.51	5.2	~750	22.41	7.05	3.882	1.57	502	-113.6	"
12/02/08	1450	11.58	7.8	~750	22.42	7.05	3.873	1.01	151	-122.4	"
12/02/08	1505	11.61	10.4	~750	22.44	7.04	3.861	0.75	32.5	-127.3	"
12/02/08	1520	11.64	13.0	~750	22.44	7.03	3.863	0.67	9.21	-130.9	"
12/02/08	1535	11.68	15.6	~750	22.45	7.03	3.862	0.65	8.76	-138.9	"
12/02/08	1550	11.69	18.2	~750	22.45	7.03	3.863	0.64	8.39	-139.8	"
DEVELOPMENT CRITERIA											
+/- 10% unless otherwise noted					+/- 0.5	+/- 0.1	+/- 25	+/- 0.2	< 50.0	+/- 20	

COMMENTS:

MONITORING WELL SAMPLE COLLECTION FORM

EBHATE
Environmental Engineers and Scientist

LOCATION	Site: SS-61 (Spill Site 61)	Location ID: SS61- MW03		Date: 11/20/08	
	Project Name: VCM Addendum	Project No./Phase: 9080130.02.01		Recorded By: DM (Dustin McNeil)	
EQUIPMENT	Pump Type/ID#: Geopump # US70303X	Water Quality Meter/ID#: YSI-556 # US3490X		PID Type/ID#:	
	Water Level Indicator Type/ID#: Keck # 3148	Other Equipment/ID#: Hanna Turbidity # US6026X		Decon Method: Liquinox	
	Tubing Type/Diameter (in): 1/4" Poly	Other Equipment/ID#:		PPE Level: (D) C B A	
WELL INFO	(A) Initial Depth to Water (ft BTOC): 17.89	Casing: Type PVC	Diam. (in) 2"	Weather: Sunny, ~75° F	
	(B) Total Well Depth (ft BTOC): 27.81	(E) Casing Volume Multiplier (gal/lin ft): 0.16		Background PID (ppm):	
	(C) Water Column Thickness (ft) (B-A): 9.92	Screen Length (lin ft):		Breathing Zone PID (ppm):	
	(D) Well Volume (gal) (C x E): 1.58	Screen Info: Type:	Size:	Well Opening PID (ppm):	

CASING INFO											
Riser/Well Casing Inner Diameter (in)	0.50	1.00	1.50	2.00	3.00	4.00	5.0	6.0	8.0	10
(D) Casing Volume Multiplier(gal/lin ft)	0.02	0.04	0.10	0.16	0.38	0.65	1.02	1.47	2.61	4.08

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(mL)~~ gallons	Pumping Rate (mLpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Remarks (odor, clarity, etc.)
11/20/08	1415	19.34	1.6	500	20.96	6.88	16.65	1.91	1.08	-98.2	sulfur/petroleum odor
11/20/08	1427	20.21	3.2	500	20.92	6.86	16.64	1.18	0.49	-112.9	"
11/20/08	1439	21.25	4.8	500	20.77	6.84	17.48	0.49	0.69	-131.9	"
11/20/08	1451	21.91	6.2	500	20.71	6.82	17.91	0.49	0.65	-135.5	"
11/20/08	1503	22.23	7.8	500	20.63	6.83	17.99	0.46	0.63	-137.1	"

Colorimeter Results				
Time	Analyte	Dilution	Result	Units

Sample Time
1540

Sample Identification
SS61-MW03 + SS61-MW03-2

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 0.5	DO	+/- 0.2
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10
	Cond	+/- 25	ORP	+/- 10

No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
3	40 ml	VOAs	HCl	N	8260B	VOCs
2	1 L	Amber	None	N	8270C	SVOC
1	500mL	Poly	HNO3	Y	6010B/7470A	RCRA Metals
2	1 L	Amber	None		8330A	Explosives
1	500mL	Poly	None	N	160.1	TDS
1	500mL	Poly (combine w/ TDS)	None	N	300.1	Nitrate / Nitrite

MONITORING WELL SAMPLE COLLECTION FORM

BHATE
Environmental Engineers and Scientist

LOCATION	Site: SS-61 (Spill Site 61)	Location ID: SS61-MW06		Date: 11/20/08	
	Project Name: VCM Addendum	Project No./Phase: 9080130.02.01		Recorded By: DM (Dustin McNeil)	
EQUIPMENT	Pump Type/ID#: G2 pump # U570308X	Water Quality Meter/ID#: YSI-556 # U5349QX		PID Type/ID#:	
	Water Level Indicator Type/ID#: Keck # 3148	Other Equipment/ID#: Hanna Turbidity # U5600260X		Decon Method: Liquinox	
	Tubing Type/Diameter (in): 1/4" Poly	Other Equipment/ID#:		PPE Level: (D) C B A	
WELL INFO	(A) Initial Depth to Water (ft BTOC): 14.84	Casing: Type PVC	Diam. (in) 2"	Weather: Sunny, cool, ~40° F	
	(B) Total Well Depth (ft BTOC): 25.99	(E) Casing Volume Multiplier (gal/lin ft): 0.16		Background PID (ppm):	
	(C) Water Column Thickness (ft) (B-A): 11.15	Screen Length (lin ft):		Breathing Zone PID (ppm):	
	(D) Well Volume (gal) (C x E): 1.78	Screen Info: Type:	Size:	Well Opening PID (ppm):	

CASING INFO											
Riseer/Well Casing Inner Diameter (in)	0.50	1.00	1.50	2.00	3.00	4.00	5.0	6.0	8.0	10
(D) Casing Volume Multiplier(gal/lin ft)	0.02	0.04	0.10	0.16	0.38	0.65	1.02	1.47	2.61	4.08

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(mL)~~ gallons	Pumping Rate (mLpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Remarks (odor, clarity, etc.)
11/20/08	0855	15.91	1.8	500	20.10	7.01	14.79	1.41	6.32	35.9	
11/20/08	0908	16.24	3.6	500	20.20	6.97	14.92	1.30	1.88	23.0	
11/20/08	0921	16.44	5.4	500	20.35	6.91	15.07	1.17	1.22	-109.1	sulfur/petroleum odor
11/20/08	0934	16.60	7.2	500	20.51	6.87	15.21	0.86	0.91	-137.4	"
11/20/08	0947	16.75	9.0	500	20.53	6.85	15.24	0.81	0.86	-141.0	"
11/20/08	1000	16.91	10.8	500	20.54	6.85	15.25	0.77	0.82	-144.9	"

Colorimeter Results				
Time	Analyte	Dilution	Result	Units

Sample Time
1040

Sample Identification
SS61-MW06

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 0.5	DO	+/- 0.2
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10
	Cond	+/- 25	ORP	+/- 10

No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
3	40 ml	VOAs	HCl	N	8260B	VOCs
2	1 L	Amber	None	N	8270C	SVOC
1	500mL	Poly	HNO3	Y	6010B/7470A	RCRA Metals
2	1 L	Amber	None		8330A	Explosives
1	500mL	Poly	None	N	160.1	TDS
1	500mL	Poly (combine w/ TDS)	None	N	300.1	Nitrate / Nitrite

MONITORING WELL SAMPLE COLLECTION FORM

EBHATE
Environmental Engineers and Scientist

LOCATION	Site: SS-61 (Spill Site 61)	Location ID: SS61- MW08	Date: 11/19/08
	Project Name: VCM Addendum	Project No./Phase: 9080130.02.01	Recorded By: DM (Dustin McNeil)
EQUIPMENT	Pump Type/ID#: Geopump# U570308X	Water Quality Meter/ID#: YSI-556 # U53490X	PID Type/ID#:
	Water Level Indicator Type/ID#: Keck # 3148	Other Equipment/ID#: Hanna Turbidity #U50026X	Decon Method: Liquinox
	Tubing Type/Diameter (in): 1/4" Poly	Other Equipment/ID#:	PPE Level: (D) C B A
WELL INFO	(A) Initial Depth to Water (ft BTOC): 13.23	Casing: Type PVC Diam. (in) 2"	Weather: clear, sunny, cool, ~50°+
	(B) Total Well Depth (ft BTOC): 28.09	(E) Casing Volume Multiplier (gal/lin ft): 0.16	Background PID (ppm):
	(C) Water Column Thickness (ft) (B-A): 14.86	Screen Length (lin ft):	Breathing Zone PID (ppm):
	(D) Well Volume (gal) (C x E): 2.37	Screen Info: Type: Size:	Well Opening PID (ppm):

CASING INFO											
Riseer/Well Casing Inner Diameter (in)	0.50	1.00	1.50	2.00	3.00	4.00	5.0	6.0	8.0	10
(D) Casing Volume Multiplier(gal/lin ft)	0.02	0.04	0.10	0.16	0.38	0.65	1.02	1.47	2.61	4.08

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(mL)~~ gallons	Pumping Rate (mLpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Remarks (odor, clarity, etc.)
11/19/08	0818	13.36	2.4	500	21.03	7.12	2.844	4.18	17.8	58.4	
11/19/08	0836	13.39	4.8	500	21.07	7.10	2.886	3.14	10.9	69.4	sulfur / petroleum odor
11/19/08	0854	13.44	7.2	500	21.43	7.11	3.337	3.14	7.86	-107.9	"
11/19/08	0912	13.45	9.6	500	21.15	7.10	3.461	3.01	7.51	-112.3	"
11/19/08	0930	13.46	12.0	500	20.90	7.09	3.512	2.92	7.35	-117.6	"

Colorimeter Results				
Time	Analyte	Dilution	Result	Units

Sample Time
1030

Sample Identification
SS61-MW08 / SS61-MW08-MS / SS61-MW08-MSD

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 0.5	DO	+/- 0.2
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10
	Cond	+/- 25	ORP	+/- 10

No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
3	40 ml	VOAs	HCl	N	8260B	VOCs
2	1 L	Amber	None	N	8270C	SVOC
1	500mL	Poly	HNO3	Y	6010B/7470A	RCRA Metals
2	1 L	Amber	None		8330A	Explosives
1	500mL	Poly	None	N	160.1	TDS
1	500mL	Poly (combine w/ TDS)	None	N	300.1	Nitrate / Nitrite

MONITORING WELL SAMPLE COLLECTION FORM

BHATE
Environmental Engineers and Scientist

LOCATION	Site: SS-61 (Spill Site 61)	Location ID: SS61- MW09		Date: 11/19/08	
	Project Name: VCM Addendum	Project No./Phase: 9080130.02.01		Recorded By: DM (Dustin McNeil)	
EQUIPMENT	Pump Type/ID#: Geopump # U570308X	Water Quality Meter/ID#: YSI-556 # U534902X		PID Type/ID#:	
	Water Level Indicator Type/ID#: Keck # 3148	Other Equipment/ID#: Hanna Turbidity # U560026X		Decon Method: Liquinox	
	Tubing Type/Diameter (in): 1/4" Poly	Other Equipment/ID#:		PPE Level: (D) C B A	
WELL INFO	(A) Initial Depth to Water (ft BTOC): 13.61	Casing: Type PVC	Diam. (in) 2"	Weather:	
	(B) Total Well Depth (ft BTOC): 21.65	(E) Casing Volume Multiplier (gal/lin ft): 0.16		Background PID (ppm):	
	(C) Water Column Thickness (ft) (B-A): 8.04	Screen Length (lin ft):		Breathing Zone PID (ppm):	
	(D) Well Volume (gal) (C x E): 1.28	Screen Info: Type:	Size:	Well Opening PID (ppm):	

CASING INFO											
Riseer/Well Casing Inner Diameter (in)	0.50	1.00	1.50	2.00	3.00	4.00	5.0	6.0	8.0	10
(D) Casing Volume Multiplier(gal/lin ft)	0.02	0.04	0.10	0.16	0.38	0.65	1.02	1.47	2.61	4.08

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(mL)~~ gallons	Pumping Rate (mLpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Remarks (odor, clarity, etc.)
11/19/08	1420	13.87	1.3	500	21.97	7.13	2.762	0.73	1.90	-54.9	sulfur +
11/19/08	1430	13.90	2.6	500	21.94	7.10	2.771	0.50	2.76	-145.6	petroleum odor
11/19/08	1440	13.91	3.9	500	21.92	7.07	2.795	0.48	4.06	-167.4	"
11/19/08	1450	13.90	5.2	500	21.87	7.04	2.812	0.38	2.00	-174.8	"
11/19/08	1500	13.91	6.5	500	21.88	7.03	2.821	0.35	1.94	-172.4	"
11/19/08	1510	13.91	7.8	500	21.86	7.03	2.824	0.35	1.89	-174.1	"

Colorimeter Results

Time	Analyte	Dilution	Result	Units

Sample Time
1545

Sample Identification
SS61-MW09

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 0.5	DO	+/- 0.2
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10
	Cond	+/- 25	ORP	+/- 10

No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
3	40 ml	VOAs	HCl	N	8260B	VOCs
2	1 L	Amber	None	N	8270C	SVOC
1	500mL	Poly	HNO3	Y	6010B/7470A	RCRA Metals
2	1 L	Amber	None		8330A	Explosives
1	500mL	Poly	None	N	160.1	TDS
1	500mL	Poly (combine w/ TDS)	None	N	300.1	Nitrate / Nitrite

MONITORING WELL SA... LE COLLECTION FORM

BHATE
Environmental Engineers and Scientist

LOCATION	Site: SS-61 (Spill Site 61)	Location ID: SS61- MW10		Date: 11/19/08	
	Project Name: VCM Addendum	Project No./Phase: 9080130.02.01		Recorded By: DM (Dustin McNeil)	
EQUIPMENT	Pump Type/ID#: Geopump # U570303X	Water Quality Meter/ID#: YSI-556 # U53490X		PID Type/ID#:	
	Water Level Indicator Type/ID#: Keck # 3148	Other Equipment/ID#: Hanna Turbidity # U560626X		Decon Method: Liquinox	
	Tubing Type/Diameter (in): 1/4" Poly	Other Equipment/ID#:		PPE Level: (D) C B A	
WELL INFO	(A) Initial Depth to Water (ft BTOC): 9.79	Casing: Type PVC	Diam. (in) 2"	Weather: sunny, warm, ~75° +	
	(B) Total Well Depth (ft BTOC): 19.94	(E) Casing Volume Multiplier (gal/lin ft): 0.16		Background PID (ppm):	
	(C) Water Column Thickness (ft) (B-A): 10.15	Screen Length (lin ft):		Breathing Zone PID (ppm):	
	(D) Well Volume (gal) (C x E): 1.62	Screen Info: Type:	Size:	Well Opening PID (ppm):	

CASING INFO										
Riseer/Well Casing Inner Diameter (in)	0.50	1.00	1.50	2.00	3.00	4.00	5.0	6.0	8.0	10
(D) Casing Volume Multiplier(gal/lin ft)	0.02	0.04	0.10	0.16	0.38	0.65	1.02	1.47	2.61	4.08

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(mL)~~ gallons	Pumping Rate (mLpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Remarks (odor, clarity, etc.)
11/19/08	1150	10.33	1.6	500	22.51	7.41	2.209	5.41	6.34	-6.1	
11/19/08	1202	10.54	3.2	500	22.53	7.36	2.214	4.63	2.31	5.0	
11/19/08	1214	10.71	4.8	500	22.59	7.31	2.280	4.05	2.34	6.6	
11/19/08	1226	10.79	6.4	500	22.51	7.28	2.301	3.89	2.26	8.2	
11/19/08	1238	10.86	8.0	500	22.56	7.26	2.312	3.71	2.23	8.7	

Colorimeter Results				
Time	Analyte	Dilution	Result	Units

Sample Time
1320

Sample Identification
SS61-MW10

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 0.5	DO	+/- 0.2
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10
	Cond	+/- 25	ORP	+/- 10

No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
3	40 ml	VOAs	HCl	N	8260B	VOCs
2	1 L	Amber	None	N	8270C	SVOC
1	500mL	Poly	HNO3	Y	6010B/7470A	RCRA Metals
2	1 L	Amber	None		8330A	Explosives
1	500mL	Poly	None	N	160.1	TDS
1	500mL	Poly (combine w/ TDS)	None	N	300.1	Nitrate / Nitrite

MONITORING WELL SAMPLE COLLECTION FORM

EBHATE
Environmental Engineers and Scientist

LOCATION	Site: SS-61 (Spill Site 61)	Location ID: SS61- MW13		Date: 11/17/08	
	Project Name: VCM Addendum	Project No./Phase: 9080130.02.01		Recorded By: DM (Dustin McNeil)	
EQUIPMENT	Pump Type/ID#: Geopump (Peristaltic) U570208X	Water Quality Meter/ID#: YSI-556 # U53490X		PID Type/ID#:	
	Water Level Indicator Type/ID#: Keck # 3148	Other Equipment/ID#: Hanna Turbidity # U5002LX		Decon Method: Liquinox	
	Tubing Type/Diameter (in): 1/4" Poly	Other Equipment/ID#:		PPE Level: (D) C B A	
WELL INFO	(A) Initial Depth to Water (ft BTOC): 14.23	Casing: Type PVC	Diam. (in) 1"	Weather: clear, sunny, ~65°+	
	(B) Total Well Depth (ft BTOC): 24.42	(E) Casing Volume Multiplier (gal/lin ft): 0.04		Background PID (ppm):	
	(C) Water Column Thickness (ft) (B-A): 10.19	Screen Length (lin ft):		Breathing Zone PID (ppm):	
	(D) Well Volume (gal) (C x E): 0.407	Screen Info: Type: prepack	Size: 1"	Well Opening PID (ppm):	

CASING INFO											
Riseer/Well Casing Inner Diameter (in)	0.50	1.00	1.50	2.00	3.00	4.00	5.0	6.0	8.0	10
(D) Casing Volume Multiplier(gal/lin ft)	0.02	0.04	0.10	0.16	0.38	0.65	1.02	1.47	2.61	4.08

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (~~mL~~ gallons)	Pumping Rate (mLpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Remarks (odor, clarity, etc.)
11/17/08	~~1237~~ 1242	15.89	.4	500	19.54	7.01	3.350	7.77	49.6	44.5	
11/17/08	1247	16.26	.8	500	19.25	6.87	3.684	3.15	12.2	52.8	
11/17/08	1252	17.33	1.2	500	19.27	6.87	3.672	3.09	11.3	54.4	
11/17/08	1257	17.42	1.6	500	19.21	6.89	3.655	1.64	5.29	57.1	
11/17/08	1302	17.49	2.0	500	19.20	6.91	3.642	1.61	5.17	57.5	
11/17/08	1307	17.55	2.4	500	19.19	6.92	3.639	1.60	5.06	57.8	

Colorimeter Results

Time	Analyte	Dilution	Result	Units

Sample Time: 1345

Sample Identification: SS61-MW13

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 0.5	DO	+/- 0.2
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10
	Cond	+/- 25	ORP	+/- 10

No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
3	40 ml	VOAs	HCl	N	8260B	VOCs
2	1 L	Amber	None	N	8270C	SVOC
1	500mL	Poly	HNO3	Y	6010B/7470A	RCRA Metals
2	1 L	Amber	None		8330A	Explosives
1	500mL	Poly	None	N	160.1	TDS
1	500mL	Poly (combine w/ TDS)	None	N	300.1	Nitrate / Nitrite

MONITORING WELL SAMPLE COLLECTION FORM

EBHATE
Environmental Engineers and Scientist

Page 1 of 1

LOCATION	Site: SS-61 (Spill Site 61)	Location ID: SS61- MW14		Date: 11/18/08	
	Project Name: VCM Addendum	Project No./Phase: 9080130.02.01		Recorded By: DM (Dustin McNeil)	
EQUIPMENT	Pump Type/ID#: Geopump# U570308X	Water Quality Meter/ID#: YSI-556 # U53490X		PID Type/ID#:	
	Water Level Indicator Type/ID#: Keck # 3148	Other Equipment/ID#: Hanna Turbidity # U56026X		Decon Method: Liquinox	
	Tubing Type/Diameter (in): 1/4" Poly	Other Equipment/ID#:		PPE Level: (D) C B A	
WELL INFO	(A) Initial Depth to Water (ft BTOC): 16.56	Casing: Type PVC	Diam. (in) 1"	Weather:	
	(B) Total Well Depth (ft BTOC): 26.24	(E) Casing Volume Multiplier (gal/lin ft): 0.04		Background PID (ppm):	
	(C) Water Column Thickness (ft) (B-A): 9.68	Screen Length (lin ft):		Breathing Zone PID (ppm):	
	(D) Well Volume (gal) (C x E): 0.387	Screen Info: Type: Prepack	Size:	Well Opening PID (ppm):	

CASING INFO										
Riser/Well Casing Inner Diameter (in)	0.50	1.00	1.50	2.00	3.00	4.00	5.0	6.0	8.0	10
(D) Casing Volume Multiplier(gal/lin ft)	0.02	0.04	0.10	0.16	0.38	0.65	1.02	1.47	2.61	4.08

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(mL)~~ gallons	Pumping Rate (mLpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Remarks (odor, clarity, etc.)
11/18/08	1320	17.51	0.4	500	22.76	7.10	16.87	4.16	11.4	47.1	
11/18/08	1325	18.60	0.8	500	22.52	7.11	17.32	2.40	11.6	47.3	
11/18/08	1330	19.26	1.2	500	22.17	7.17	17.63	1.87	10.4	50.8	
11/18/08	1335	21.07	1.6	500	22.07	7.16	17.65	1.70	9.90	53.3	
11/18/08	1340	22.11	2.0	500	21.99	7.16	17.63	1.69	9.68	53.9	

Colorimeter Results				
Time	Analyte	Dilution	Result	Units

Sample Time
1445

Sample Identification
SS61-MW14

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 0.5	DO	+/- 0.2
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10
	Cond	+/- 25	ORP	+/- 10

No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
3	40 ml	VOAs	HCl	N	8260B	VOCs
2	1 L	Amber	None	N	8270C	SVOC
1	500mL	Poly	HNO3	Y	6010B/7470A	RCRA Metals
2	1 L	Amber	None		8330A	Explosives
1	500mL	Poly	None	N	160.1	TDS
1	500mL	Poly (combine w/ TDS)	None	N	300.1	Nitrate / Nitrite

MONITORING WELL SA... LE COLLECTION FORM

EBHATE
Environmental Engineers and Scientist

LOCATION	Site: SS-61 (Spill Site 61)	Location ID: SS61- MW15	Date: 12/04/08
	Project Name: VCM Addendum	Project No./Phase: 9080130.02.01	Recorded By: DM (Dustin McNeil)
EQUIPMENT	Pump Type/ID#: Geopump# U570308X	Water Quality Meter/ID#: YSI-556 # U530490X	PID Type/ID#:
	Water Level Indicator Type/ID#: Keck # 3148	Other Equipment/ID#: Hanna Turbidity # U5602 6X	Decon Method: Liquinox
	Tubing Type/Diameter (in): 1/4" Poly	Other Equipment/ID#:	PPE Level: (D) C B A
WELL INFO	(A) Initial Depth to Water (ft BTOC): 9.74	Casing: Type PVC Diam. (in) 2"	Weather: cold, sunny, ~40° F
	(B) Total Well Depth (ft BTOC): 28.57	(E) Casing Volume Multiplier (gal/lin ft): 0.16	Background PID (ppm):
	(C) Water Column Thickness (ft) (B-A): 18.83	Screen Length (lin ft): 10'	Breathing Zone PID (ppm):
	(D) Well Volume (gal) (C x E): 3.01	Screen Info: Type: PVC (2") Size: 0.010" slot	Well Opening PID (ppm):

CASING INFO											
Riseer/Well Casing Inner Diameter (in)	0.50	1.00	1.50	2.00	3.00	4.00	5.0	6.0	8.0	10
(D) Casing Volume Multiplier(gal/lin ft)	0.02	0.04	0.10	0.16	0.38	0.65	1.02	1.47	2.61	4.08

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(mL)~~ gallons	Pumping Rate (mLpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Remarks (odor, clarity, etc.)
12/04/08	0814	9.90	3.0	500	20.96	7.01	3.307	0.89	17.1	-313.7	sulfur/petroleum odor
12/04/08	0837	9.93	6.0	500	20.99	6.99	3.316	0.83	6.64	-320.6	"
12/04/08	0900	9.96	9.0	500	21.09	6.98	3.351	0.79	3.15	-315.3	"
12/04/08	0923	9.97	12.0	500	21.17	6.98	3.351	0.74	2.98	-321.1	"
12/04/08	0946	9.97	15.0	500	21.20	6.97	3.360	0.71	2.85	-320.0	"

Colorimeter Results				
Time	Analyte	Dilution	Result	Units

Sample Time
1000

Sample Identification
SS61-MW15

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 0.5	DO	+/- 0.2
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10
	Cond	+/- 25	ORP	+/- 10

No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
3	40 ml	VOAs	HCl	N	8260B	VOCs
2	1 L	Amber	None	N	8270C	SVOC
1	500mL	Poly	HNO3	Y	6010B/7470A	RCRA Metals
2	1 L	Amber	None		8330A	Explosives
1	500mL	Poly	None	N	160.1	TDS
1	500mL	Poly (combine w/ TDS)	None	N	300.1	Nitrate / Nitrite

MONITORING WELL SAMPLE COLLECTION FORM

BHATE
Environmental Engineers and Scientist

Page 1 of 1

LOCATION	Site: SS-61 (Spill Site 61)	Location ID: SS61- MW16		Date: 12/05/08	
	Project Name: VCM Addendum	Project No./Phase: 9080130.02.01		Recorded By: DM (Dustin McNeil)	
EQUIPMENT	Pump Type/ID#: Geopump # U570308X	Water Quality Meter/ID#: YSI-556 # U530490X		PID Type/ID#:	
	Water Level Indicator Type/ID#: Keck # 3148	Other Equipment/ID#: Hanna Turbidity # U56026X		Decon Method: Liquinox	
	Tubing Type/Diameter (in): 1/4" Poly	Other Equipment/ID#:		PPE Level: (D) C B A	
WELL INFO	(A) Initial Depth to Water (ft BTOC): 11.34	Casing: Type PVC	Diam. (in) 2"	Weather: clear, cold, ~35° F	
	(B) Total Well Depth (ft BTOC): 28.45	(E) Casing Volume Multiplier (gal/lin ft): 0.16		Background PID (ppm):	
	(C) Water Column Thickness (ft) (B-A): 17.11	Screen Length (lin ft): 10'		Breathing Zone PID (ppm):	
	(D) Well Volume (gal) (C x E): 2.73	Screen Info: Type: PVC 2"	Size: 0.010" slot	Well Opening PID (ppm):	

CASING INFO										
Riseer/Well Casing Inner Diameter (in)	0.50	1.00	1.50	2.00	3.00	4.00	5.0	6.0	8.0	10
(D) Casing Volume Multiplier(gal/lin ft)	0.02	0.04	0.10	0.16	0.38	0.65	1.02	1.47	2.61	4.08

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(mLl)~~ gallons	Pumping Rate (mLpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Remarks (odor, clarity, etc.)
12/05/08	0830	11.42	2.75	500	21.57	6.97	3.854	0.70	13.1	-183.6	sulfur/petroleum odor
12/05/08	0850	11.45	5.5	500	21.63	6.99	3.831	0.51	10.2	-193.4	"
12/05/08	0910	11.46	8.25	500	21.76	7.01	3.820	0.41	3.50	-182.3	"
12/05/08	0930	11.47	11.0	500	21.82	7.01	3.819	0.39	3.41	-179.1	"
12/05/08	0950	11.47	13.75	500	21.81	7.01	3.812	0.37	3.19	-175.4	"

Colorimeter Results				
Time	Analyte	Dilution	Result	Units

Sample Time
1015 DM 1020

Sample Identification
SS61-MW16

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 0.5	DO	+/- 0.2
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10
	Cond	+/- 25	ORP	+/- 10

No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
3	40 ml	VOAs	HCl	N	8260B	VOCs
2	1 L	Amber	None	N	8270C	SVOC
1	500mL	Poly	HNO3	Y	6010B/7470A	RCRA Metals
2	1 L	Amber	None		8330A	Explosives
1	500mL	Poly	None	N	160.1	TDS
1	500mL	Poly (combine w/ TDS)	None	N	300.1	Nitrate / Nitrite

MONITORING WELL SAMPLE COLLECTION FORM

EBHATE
Environmental Engineers and Scientist

Page 1 of 1

LOCATION	Site: SS-61 (Spill Site 61)	Location ID: SS61- TMW61		Date: 11/21/08	
	Project Name: VCM Addendum	Project No./Phase: 9080130.02.01		Recorded By: DM (DustinMcNeil)	
EQUIPMENT	Pump Type/ID#: Geopump # US70308X	Water Quality Meter/ID#: YSI-556 # US3490X		PID Type/ID#:	
	Water Level Indicator Type/ID#: Keck # 3148	Other Equipment/ID#: Hanna Turbidity # US6026X		Decon Method: Liquinox	
	Tubing Type/Diameter (in): 1/4" Poly	Other Equipment/ID#:		PPE Level: (D) C B A	
WELL INFO	(A) Initial Depth to Water (ft BTOC): 14.88	Casing: Type PVC	Diam. (in) 1"	Weather: clear, sunny, cold, ~40° +	
	(B) Total Well Depth (ft BTOC): 24.91	(E) Casing Volume Multiplier (gal/lin ft): 0.04		Background PID (ppm):	
	(C) Water Column Thickness (ft) (B-A): 10.03	Screen Length (lin ft):		Breathing Zone PID (ppm):	
	(D) Well Volume (gal) (C x E): 0.40	Screen Info: Type:	Size:	Well Opening PID (ppm):	

CASING INFO											
Riser/Well Casing Inner Diameter (in)	0.50	1.00	1.50	2.00	3.00	4.00	5.0	6.0	8.0	10
(D) Casing Volume Multiplier(gal/lin ft)	0.02	0.04	0.10	0.16	0.38	0.65	1.02	1.47	2.61	4.08

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(mL)~~ gallons	Pumping Rate (mLpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Remarks (odor, clarity, etc.)
11/21/08	1015	16.51	0.4	100	17.55	7.21	3.643	1.09	6.27	16.5	
11/21/08	1030	16.58	0.8	100	17.68	7.22	3.814	0.65	0.79	20.2	sulfur/petroleum odor
11/21/08	1045	16.65	1.2	100	17.69	7.21	3.861	0.56	0.98	12.3	"
11/21/08	1100	16.83	1.6	100	17.77	7.20	4.040	0.50	0.81	-79.7	"
11/21/08	1115	16.90	2.0	100	17.72	7.20	4.016	0.52	0.77	-88.0	"

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 ml	VOAs	HCl	N	8260B	VOCs
					2	1 L	Amber	None	N	8270C	SVOC
Sample Time					1	500mL	Poly	HNO3	Y	6010B/7470A	RCRA Metals
1135					2	1 L	Amber	None		8330A	Explosives
Sample Identification					1	500mL	Poly	None	N	160.1	TDS
SS61-TMW61					1	500mL	Poly (combine w/ TDS)	None	N	300.1	Nitrate / Nitrite

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 0.5	DO	+/- 0.2
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10
	Cond	+/- 25	ORP	+/- 10

MONITORING WELL SA... LE COLLECTION FORM

BHATE
Environmental Engineers and Scientist

LOCATION	Site: SS-61 (Spill Site 61)	Location ID: SS61- TMW63		Date: 11/17/08	
	Project Name: VCM Addendum	Project No./Phase: 9080130.02.01		Recorded By: DM (Dustin McNeil)	
EQUIPMENT	Pump Type/ID#: Geopump # U570303X	Water Quality Meter/ID#: YSI-556 # U53490X		PID Type/ID#:	
	Water Level Indicator Type/ID#: Keck # 3148	Other Equipment/ID#: Hanna Turbidity # U56026X		Decon Method: Liquinox	
	Tubing Type/Diameter (in): ¼" Poly	Other Equipment/ID#:		PPE Level: (D) C B A	
WELL INFO	(A) Initial Depth to Water (ft BTOC): 13.02	Casing: Type PVC	Diam. (in) 1"	Weather:	
	(B) Total Well Depth (ft BTOC): 24.74	(E) Casing Volume Multiplier (gal/lin ft): 0.04		Background PID (ppm):	
	(C) Water Column Thickness (ft) (B-A): 11.72	Screen Length (lin ft):		Breathing Zone PID (ppm):	
	(D) Well Volume (gal) (C x E): 0.468	Screen Info: Type: Prepack	Size:	Well Opening PID (ppm):	

CASING INFO											
Riseer/Well Casing Inner Diameter (in)	0.50	1.00	1.50	2.00	3.00	4.00	5.0	6.0	8.0	10
(D) Casing Volume Multiplier(gal/lin ft)	0.02	0.04	0.10	0.16	0.38	0.65	1.02	1.47	2.61	4.08

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(mL)~~ gallons	Pumping Rate (mLpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Remarks (odor, clarity, etc.)
11/17/08	1445	14.58	.5	500	21.59	6.91	9.080	1.74	5.54	-195.0	Sulfur/petroleum odor
11/17/08	1453	14.67	1.0	500	21.45	6.83	9.357	0.92	2.97	-309.8	"
11/17/08	1501	14.35	1.5	500	21.46	6.83	9.329	0.67	1.86	-325.5	"
11/17/08	1509	14.43	2.0	500	21.40	6.80	9.252	0.48	2.52	-318.2	"
11/17/08	1517	14.43	2.5	500	21.37	6.80	9.241	0.45	1.43	-319.6	"
11/17/08	1525	14.44	3.0	500	21.34	6.79	9.238	0.44	1.36	-320.4	"

Colorimeter Results

Time	Analyte	Dilution	Result	Units

Sample Time: 1556

Sample Identification: SS61-TMW63

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 0.5	DO	+/- 0.2
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10
	Cond	+/- 25	ORP	+/- 10

No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
3	40 ml	VOAs	HCl	N	8260B	VOCs
2	1 L	Amber	None	N	8270C	SVOC
1	500mL	Poly	HNO3	Y	6010B/7470A	RCRA Metals
2	1 L	Amber	None		8330A	Explosives
1	500mL	Poly	None	N	160.1	TDS
1	500mL	Poly (combine w/ TDS)	None	N	300.1	Nitrate / Nitrite

MONITORING WELL SAMPLE COLLECTION FORM

BHATE
Environmental Engineers and Scientist

LOCATION	Site: SS-61 (Spill Site 61)	Location ID: SS61- TMW63	Date: 11/17/03
	Project Name: VCM Addendum	Project No./Phase: 9080130.02.01	Recorded By: DM (Dustin McNeil)

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed gal ~~(mL)~~	Pumping Rate (mLpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential	Remarks (odor, clarity, etc.)
11/17/03	1533	14.44	3.5	500	21.33	6.80	9.236	0.43	1.34	-321.0	Sulfur/ petroleum odor

MONITORING WELL SAMPLE COLLECTION FORM

BHATE
Environmental Engineers and Scientist

Page 1 of 1

LOCATION	Site: SS-61 (Spill Site 61)	Location ID: SS61-TMW69		Date: 11/20/08	
	Project Name: VCM Addendum	Project No./Phase: 9080130.02.01		Recorded By: DM (Dustin McNeil)	
EQUIPMENT	Pump Type/ID#: Geopump# U570308X	Water Quality Meter/ID#: YSI-556# U534907X		PID Type/ID#:	
	Water Level Indicator Type/ID#: Keck# 3148	Other Equipment/ID#: Hanna Turbidity # U560026X		Decon Method: Liquinox	
	Tubing Type/Diameter (in): 1/4" Poly	Other Equipment/ID#:		PPE Level: (D) C B A	
WELL INFO	(A) Initial Depth to Water (ft BTOC): 14.41	Casing: Type PVC	Diam. (in) 1"	Weather: Sunny, ~70°+	
	(B) Total Well Depth (ft BTOC): 23.50	(E) Casing Volume Multiplier (gal/lin ft):		Background PID (ppm):	
	(C) Water Column Thickness (ft) (B-A):	Screen Length (lin ft):		Breathing Zone PID (ppm):	
	(D) Well Volume (gal) (C x E):	Screen Info: Type:	Size:	Well Opening PID (ppm):	

CASING INFO										
Riseer/Well Casing Inner Diameter (in)	0.50	1.00	1.50	2.00	3.00	4.00	5.0	6.0	8.0	10
(D) Casing Volume Multiplier(gal/lin ft)	0.02	0.04	0.10	0.16	0.38	0.65	1.02	1.47	2.61	4.08

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed (mLl)	Pumping Rate (mLpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Remarks (odor, clarity, etc.)
	No Parameters taken due to poor recharge.										

Colorimeter Results				
Time	Analyte	Dilution	Result	Units

Sample Time
1230

Sample Identification
SS61-TMW69

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 0.5	DO	+/- 0.2
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10
	Cond	+/- 25	ORP	+/- 10

No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
3	40 ml	VOAs	HCl	N	8260B	VOCs
2	1 L	Amber	None	N	8270C	SVOC
1	500mL	Poly	HNO3	Y	6010B/7470A	RCRA Metals
2	1 L	Amber	None		8330A	Explosives
1	500mL	Poly	None	N	160.1	TDS
1	500mL	Poly (combine w/ TDS)	None	N	300.1	Nitrate / Nitrite

MONITORING WELL SAMPLE COLLECTION FORM

BHATE
Environmental Engineers and Scientist

Page 1 of 1

LOCATION	Site: SS-61 (Spill Site 61)	Location ID: SS61-TMW70		Date: 11/20/08	
	Project Name: VCM Addendum	Project No./Phase: 9080130.02.01		Recorded By: DM (Dustin McNeil)	
EQUIPMENT	Pump Type/ID#: Geopump# U570308X	Water Quality Meter/ID#: YSI-556 # U53490X		PID Type/ID#:	
	Water Level Indicator Type/ID#: Keck #3148	Other Equipment/ID#: Hanna Turbidity # U56026X		Decon Method: Liquinox	
	Tubing Type/Diameter (in): ¼" Poly	Other Equipment/ID#:		PPE Level: (D) C B A	
WELL INFO	(A) Initial Depth to Water (ft BTOC): 14.79	Casing: Type PVC	Diam. (in) 1"	Weather: Sunny, warm, ~65° F	
	(B) Total Well Depth (ft BTOC): 17.39	(E) Casing Volume Multiplier (gal/lin ft): 0.04		Background PID (ppm):	
	(C) Water Column Thickness (ft) (B-A): 2.6	Screen Length (lin ft):		Breathing Zone PID (ppm):	
	(D) Well Volume (gal) (C x E): 0.10	Screen Info: Type:	Size:	Well Opening PID (ppm):	

CASING INFO											
Riseer/Well Casing Inner Diameter (in)	0.50	1.00	1.50	2.00	3.00	4.00	5.0	6.0	8.0	10
(D) Casing Volume Multiplier(gal/lin ft)	0.02	0.04	0.10	0.16	0.38	0.65	1.02	1.47	2.61	4.08

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(mL)~~ gallons	Pumping Rate (mLpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Remarks (odor, clarity, etc.)
11/20/08	1130	dry	0.1	100	19.45	6.68	4.118	4.33	12.5	-73.3	
11/20/08	NO SAMPLE TAKEN.										
11/20/08											

Colorimeter Results				
Time	Analyte	Dilution	Result	Units

Sample Time
NA

Sample Identification
NA

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 0.5	DO	+/- 0.2
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10
	Cond	+/- 25	ORP	+/- 10

No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
3	40 ml	VOAs	HCl	N	8260B	VOCs
2	1 L	Amber	None	N	8270C	SVOC
1	500mL	Poly	HNO3	Y	6010B/7470A	RCRA Metals
2	1 L	Amber	None		8330A	Explosives
1	500mL	Poly	None	N	160.1	TDS
1	500mL	Poly (combine w/ TDS)	None	N	300.1	Nitrate / Nitrite

MONITORING WELL SAMPLE COLLECTION FORM

BHATE
Environmental Engineers and Scientist

LOCATION	Site: SS-61 (Spill Site 61)	Location ID: SS61-TMW80		Date: 12/03/08	
	Project Name: VCM Addendum	Project No./Phase: 9080130.02.01		Recorded By: DM (Dustin McNeil)	
EQUIPMENT	Pump Type/ID#: Geopump # U570308X	Water Quality Meter/ID#: YSI-556 # U530490X		PID Type/ID#:	
	Water Level Indicator Type/ID#: Keck # 3148	Other Equipment/ID#: Hanna Turbidity # U560026X		Decon Method: Liquinox	
	Tubing Type/Diameter (in): 1/4" Poly	Other Equipment/ID#:		PPE Level: (D) C B A	
WELL INFO	(A) Initial Depth to Water (ft BTOC): 16.59	Casing: Type PVC	Diam. (in) 1"	Weather: sunny, cool, ~50°F	
	(B) Total Well Depth (ft BTOC): 29.67	(E) Casing Volume Multiplier (gal/lin ft): 0.04		Background PID (ppm):	
	(C) Water Column Thickness (ft) (B-A): 13.08	Screen Length (lin ft): 10'		Breathing Zone PID (ppm):	
	(D) Well Volume (gal) (C x E): 0.52	Screen Info: Type: 1"	Size: 0.010" slot	Well Opening PID (ppm):	

CASING INFO											
Riser/Well Casing Inner Diameter (in)	0.50	1.00	1.50	2.00	3.00	4.00	5.0	6.0	8.0	10
(D) Casing Volume Multiplier(gal/lin ft)	0.02	0.04	0.10	0.16	0.38	0.65	1.02	1.47	2.61	4.08

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(mL)~~ gallons	Pumping Rate (mLpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Remarks (odor, clarity, etc.)
12/03/08	0805	25.71	0.5	100	18.81	6.98	7.350	2.58	133	-64.6	Sulfur/petroleum odor
12/03/08	0827	26.20	1.0	100	18.48	6.98	7.321	2.77	51.7	-102.9	well went dry @ ~.6 gallons
12/03/08	0850	27.61	1.5	100	18.13	6.94	7.306	2.61	26.3	-152.9	well dry again @ ~1.2 gallons
	*samples obtained after purging 3 well volumes, parameters not stable due to stopping & starting of pumping due to well going dry.										

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 ml	VOAs	HCl	N	8260B	VOCs
					2	1 L	Amber	None	N	8270C	SVOC
Sample Time					1	500mL	Poly	HNO3	Y	6010B/7470A	RCRA Metals
0920					2	1 L	Amber	None		8330A	Explosives
Sample Identification					1	500mL	Poly	None	N	160.1	TDS
SS61-TMW80					1	500mL	Poly (combine w/ TDS)	None	N	300.1	Nitrate / Nitrite

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 0.5	DO	+/- 0.2
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10
	Cond	+/- 25	ORP	+/- 10

MONITORING WELL SAMPLE COLLECTION FORM

BHATE
Environmental Engineers and Scientist

LOCATION	Site: SS-61 (Spill Site 61)	Location ID: SS61-TMW81		Date: 12/04/08	
	Project Name: VCM Addendum	Project No./Phase: 9080130.02.01		Recorded By: DM (Dustin McNeil)	
EQUIPMENT	Pump Type/ID#: Geopump # U570308X	Water Quality Meter/ID#: YSI-556 # U530490X		PID Type/ID#:	
	Water Level Indicator Type/ID#: Keck # 3148	Other Equipment/ID#: Hanna Turbidity # U5602GX		Decon Method: Liquinox	
	Tubing Type/Diameter (in): 1/4" Poly	Other Equipment/ID#:		PPE Level: (D) C B A	
WELL INFO	(A) Initial Depth to Water (ft BTOC): 14.72	Casing: Type PVC	Diam. (in) 1"	Weather: cloudy, cool, breezy, ~55°	
	(B) Total Well Depth (ft BTOC): 29.66	(E) Casing Volume Multiplier (gal/lin ft): 0.04		Background PID (ppm):	
	(C) Water Column Thickness (ft) (B-A): 14.94	Screen Length (lin ft): 10'		Breathing Zone PID (ppm):	
	(D) Well Volume (gal) (C x E): 0.597	Screen Info: Type: Pregpack 1"	Size: 0.010" slot	Well Opening PID (ppm):	

CASING INFO											
Riseer/Well Casing Inner Diameter (in)	0.50	1.00	1.50	2.00	3.00	4.00	5.0	6.0	8.0	10
(D) Casing Volume Multiplier(gal/lin ft)	0.02	0.04	0.10	0.16	0.38	0.65	1.02	1.47	2.61	4.08

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(mL)~~ gallons	Pumping Rate (mLpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Remarks (odor, clarity, etc.)
12/04/08	1455	26.48	.6	100	21.06	6.87	12.98	2.18	154	-10.0	
12/04/08	1520	28.10	1.2	100	19.80	7.06	14.53	1.82		13.0	well went dry @ ~1.7 gallons
	* samples obtained after purging 2 well volumes, parameters not stable due to stopping + starting of pumping due to well going dry										well dry again @ ~~1.2~~ DM 1.2 gal.

Colorimeter Results				
Time	Analyte	Dilution	Result	Units

Sample Time
1625

Sample Identification
SS61-TMW81

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 0.5	DO	+/- 0.2
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10
	Cond	+/- 25	ORP	+/- 10

No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
3	40 ml	VOAs	HCl	N	8260B	VOCs
2	1 L	Amber	None	N	8270C	SVOC
1	500mL	Poly	HNO3	Y	6010B/7470A	RCRA Metals
2	1 L	Amber	None		8330A	Explosives
1	500mL	Poly	None	N	160.1	TDS
1	500mL	Poly (combine w/ TDS)	None	N	300.1	Nitrate / Nitrite

MONITORING WELL SA... LE COLLECTION FORM

BHATE
Environmental Engineers and Scientist

LOCATION	Site: SS-61 (Spill Site 61)	Location ID: SS61-TMW32		Date: 12/01/08	
	Project Name: VCM Addendum	Project No./Phase: 9080130.02.01		Recorded By: DM (Dustin Mc Neil)	
EQUIPMENT	Pump Type/ID#: Geopump# U570308X	Water Quality Meter/ID#: YSI-556# U53490X		PID Type/ID#:	
	Water Level Indicator Type/ID#: Keck #3148	Other Equipment/ID#: Hanna Turbidity #U56026X		Decon Method: Liquinox	
	Tubing Type/Diameter (in): 1/4" Poly	Other Equipment/ID#:		PPE Level: (D) C B A	
WELL INFO	(A) Initial Depth to Water (ft BTOC): 17.89	Casing: Type PVC	Diam. (in) 1"	Weather: clear, cool, ~45°+	
	(B) Total Well Depth (ft BTOC): 29.63	(E) Casing Volume Multiplier (gal/lin ft): 0.04		Background PID (ppm):	
	(C) Water Column Thickness (ft) (B-A): 11.74	Screen Length (lin ft): 10		Breathing Zone PID (ppm):	
	(D) Well Volume (gal) (C x E): 0.469	Screen Info: Type: Pregack	Size: 0.010" slot	Well Opening PID (ppm):	

CASING INFO											
Riseer/Well Casing Inner Diameter (in)	0.50	1.00	1.50	2.00	3.00	4.00	5.0	6.0	8.0	10
(D) Casing Volume Multiplier(gal/lin ft)	0.02	0.04	0.10	0.16	0.38	0.65	1.02	1.47	2.61	4.08

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(mL)~~ gallons	Pumping Rate (mLpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Remarks (odor, clarity, etc.)
12/01/08	0810	18.14	0.5	2500 DM	18.05	6.78	11.68	6.17	420	-106.3	sulfur/petroleum odor
12/01/08	0820	18.17	1.0	2500	18.17	6.75	11.73	3.01	16.1	-154.0	"
12/01/08	0830	18.18	1.5	2500	18.29	6.74	11.76	2.55	9.79	-153.8	"
12/01/08	0840	18.20	2.0	200	18.30	6.73	11.76	2.20	8.32	-186.5	"
12/01/08	0850	18.21	2.5	200	18.30	6.74	11.77	2.11	8.21	-194.9	"
12/01/08	0900	18.22	3.0	200	18.31	6.73	11.78	2.01	8.10	-201.6	"

Colorimeter Results				
Time	Analyte	Dilution	Result	Units

Sample Time
0915

Sample Identification
SS61-TMW32

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 0.5	DO	+/- 0.2
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10
	Cond	+/- 25	ORP	+/- 10

No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
3	40 ml	VOAs	HCl	N	8260B	VOCs
2	1 L	Amber	None	N	8270C	SVOC
1	500mL	Poly	HNO3	Y	6010B/7470A	RCRA Metals
2	1 L	Amber	None		8330A	Explosives
1	500mL	Poly	None	N	160.1	TDS
1	500mL	Poly (combine w/ TDS)	None	N	300.1	Nitrate / Nitrite

MONITORING WELL SA... LE COLLECTION FORM

EBHATE
Environmental Engineers and Scientist

LOCATION	Site: SS-61 (Spill Site 61)	Location ID: SS61-TMW83		Date: 12/02/08	
	Project Name: VCM Addendum	Project No./Phase: 9080130.02.01		Recorded By: DM (Dustin Mc Neil)	
EQUIPMENT	Pump Type/ID#: Geopump# U570308X	Water Quality Meter/ID#: YSI-556# U530490X		PID Type/ID#:	
	Water Level Indicator Type/ID#: Keck # 3148	Other Equipment/ID#: Hanna Turbidity # U560026X		Decon Method: Liquinox	
	Tubing Type/Diameter (in): 1/4" Poly	Other Equipment/ID#:		PPE Level: (D) C B A	
WELL INFO	(A) Initial Depth to Water (ft BTOC): 18.25	Casing: Type PVC	Diam. (in) 1"	Weather: partly cloudy, ~40° F	
	(B) Total Well Depth (ft BTOC): 29.63	(E) Casing Volume Multiplier (gal/lin ft): 0.04		Background PID (ppm):	
	(C) Water Column Thickness (ft) (B-A): 11.33	Screen Length (lin ft): 10'		Breathing Zone PID (ppm):	
	(D) Well Volume (gal) (C x E): 0.455	Screen Info: Type: Prepack	Size:	Well Opening PID (ppm):	

CASING INFO											
Riseer/Well Casing Inner Diameter (in)	0.50	1.00	1.50	2.00	3.00	4.00	5.0	6.0	8.0	10
(D) Casing Volume Multiplier(gal/lin ft)	0.02	0.04	0.10	0.16	0.38	0.65	1.02	1.47	2.61	4.08

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(mL)~~ gallons	Pumping Rate (mLpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Remarks (odor, clarity, etc.)
12/02/08	0830	26.10	0.5	200	16.14	6.67	11.78	3.74	186	-3.3	
12/02/08	0900	26.55	1.0	DM ~~1~~ 100	16.21	6.70	11.46	2.69	75.6	-31.1	well went dry @ ~.6 gallons
12/02/08			1.5	DM ~~1~~ 100	→ parameters not obtained, begin sampling once well has recharged again						well dry again @ 1.0 gallons

Colorimeter Results				
Time	Analyte	Dilution	Result	Units

Sample Time
0950

Sample Identification
SS61-TMW83

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 0.5	DO	+/- 0.2
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10
	Cond	+/- 25	ORP	+/- 10

No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
3	40 ml	VOAs	HCl	N	8260B	VOCs
2	1 L	Amber	None	N	8270C	SVOC
1	500mL	Poly	HNO3	Y	6010B/7470A	RCRA Metals
2	1 L	Amber	None		8330A	Explosives
1	500mL	Poly	None	N	160.1	TDS
1	500mL	Poly (combine w/ TDS)	None	N	300.1	Nitrate / Nitrite

MONITORING WELL SAMPLE COLLECTION FORM

BHATE Environmental Engineers and Scientist

DM

LOCATION	Site: SS-61 (Spill Site 61)	Location ID: ~~SS61-~~ SS61-TMW85			Date: 12/08/08
	Project Name: VCM Addendum	Project No./Phase: 9080130.02.01			Recorded By: DM (Dustin McNeil)
EQUIPMENT	Pump Type/ID#: Geopump # U570308X	Water Quality Meter/ID#: YSI-556 # U53490X			PID Type/ID#:
	Water Level Indicator Type/ID#: Keck # 3148	Other Equipment/ID#: Hanna Turbidity # U56026X			Decon Method: Liquinox
	Tubing Type/Diameter (in): 1/4" Poly	Other Equipment/ID#:			PPE Level: (D) C B A
WELL INFO	(A) Initial Depth to Water (ft BTOC): 18.86	Casing: Type PVC	Diam. (in) 1"		Weather: cloudy, windy, cool, ~45°F
	(B) Total Well Depth (ft BTOC): 32.61	(E) Casing Volume Multiplier (gal/lin ft): 0.04			Background PID (ppm):
	(C) Water Column Thickness (ft) (B-A): 13.75	Screen Length (lin ft): 10'			Breathing Zone PID (ppm):
	(D) Well Volume (gal) (C x E): 0.55	Screen Info: Type: Prepack 1"	Size: 0.010" slot		Well Opening PID (ppm):

CASING INFO										
Riseer/Well Casing Inner Diameter (in)	0.50	1.00	1.50	2.00	3.00	4.00	5.0	6.0	8.0	10
(D) Casing Volume Multiplier(gal/lin ft)	0.02	0.04	0.10	0.16	0.38	0.65	1.02	1.47	2.61	4.08

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(mL)~~ gallons	Pumping Rate (mLpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Remarks (odor, clarity, etc.)
12/08/08	0755	19.65	0.55	150	17.96	6.60	16.82	2.17	166	37.6	
12/08/08	0810	19.68	1.10	150	18.26	6.57	17.18	2.04	47.4	33.0	
12/08/08	0825	19.70	1.65	150	18.23	6.56	17.24	1.14	20.4	12.4	
12/08/08	0840	19.73	2.20	150	18.36	6.55	17.28	1.08	19.1	6.1	
12/08/08	0855	19.75	2.75	150	18.30	6.55	17.32	1.05	18.5	3.7	

Colorimeter Results				
Time	Analyte	Dilution	Result	Units

Sample Time: 0905

Sample Identification: SS61-TMW85

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 0.5	DO	+/- 0.2
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10
	Cond	+/- 25	ORP	+/- 10

No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
3	40 ml	VOAs	HCl	N	8260B	VOCs
2	1 L	Amber	None	N	8270C	SVOC
1	1 L	Amber	None	N	8082	PCBs
1	.5 L	Plastic	HNO3	Y	6010/7470	Metals
					6860	Perchlorates
1	.5L	Plastic	None	N	160.1	TDS

MONITORING WELL SAMPLE COLLECTION FORM

EBHATE
Environmental Engineers and Scientist

LOCATION	Site: SS-61 (Spill Site 61)	Location ID: DM ~~SS61~~- MW29-02			Date: 11/13/08
	Project Name: VCM Addendum	Project No./Phase: 9080130.02.01			Recorded By: DM (Dustin McNeil)
EQUIPMENT	Pump Type/ID#: Geopump # U570308X	Water Quality Meter/ID#: YSI-556 # U534902X			PID Type/ID#:
	Water Level Indicator Type/ID#: Keck # 3148	Other Equipment/ID#: Hanna Turbidity # U5602GX			Decon Method: Liquinox
	Tubing Type/Diameter (in): ¼" Poly	Other Equipment/ID#:			PPE Level: (D) C B A
WELL INFO	(A) Initial Depth to Water (ft BTOC): 20.84	Casing: Type PVC	Diam. (in) 2"		Weather: Clear, cool, ~50°
	(B) Total Well Depth (ft BTOC): 30.27	(E) Casing Volume Multiplier (gal/lin ft): 0.16			Background PID (ppm):
	(C) Water Column Thickness (ft) (B-A): 9.43	Screen Length (lin ft):			Breathing Zone PID (ppm):
	(D) Well Volume (gal) (C x E): 1.5	Screen Info: Type:	Size:		Well Opening PID (ppm):

CASING INFO											
Riseer/Well Casing Inner Diameter (in)	0.50	1.00	1.50	2.00	3.00	4.00	5.0	6.0	8.0	10
(D) Casing Volume Multiplier(gal/lin ft)	0.02	0.04	0.10	0.16	0.38	0.65	1.02	1.47	2.61	4.08

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(mL)~~ gallons	Pumping Rate (mLpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Remarks (odor, clarity, etc.)
11/13/08	0807	21.04	1.5	500	17.39	7.03	20.03	3.64	2.63	12.1	
11/13/08	1818	21.09	3.0	500	17.70	7.02	20.18	2.37	2.05	16.1	
11/13/08	0829	21.15	4.5	500	17.89	7.02	20.26	1.60	1.88	19.8	
11/13/08	0840	21.17	6.0	500	17.89	7.02	20.25	1.52	1.16	22.4	
11/13/08	0851	21.18	7.5	500	17.91	7.02	20.27	1.43	1.13	23.1	
11/13/08	0902	21.20	9.0	500	17.93	7.02	20.27	1.38	1.09	24.2	

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 ml	VOAs	HCl	N	8260B	VOCs
					2	1 L	Amber	None	N	8270C	SVOC
Sample Time					1	500mL	Poly	HNO3	Y	6010B/7470A	RCRA Metals
0940					2	1 L	Amber	None		8330A	Explosives
Sample Identification					1	500mL	Poly	None	N	160.1	TDS
MW29-02 + MW29-02-a					1	500mL	Poly (combine w/ TDS)	None	N	300.1	Nitrate / Nitrite

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 0.5	DO	+/- 0.2
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10
	Cond	+/- 25	ORP	+/- 10

MONITORING WELL SAMPLE COLLECTION FORM

EBHATE
Environmental Engineers and Scientist

Page 1 of 1

LOCATION	Site: SS-61 (Spill Site 61)	Location ID: DM ~~SS61-~~ MW29-05		Date: 11/18/08	
	Project Name: VCM Addendum	Project No./Phase: 9080130.02.01		Recorded By: DM (Dustin McNeil)	
EQUIPMENT	Pump Type/ID#: Geopump # U570308X	Water Quality Meter/ID#: YSI-556 # U534902X		PID Type/ID#:	
	Water Level Indicator Type/ID#: Keck # 3148	Other Equipment/ID#: Hanna Turbidity # U5602GX		Decon Method: Liquinox	
	Tubing Type/Diameter (in): 1/4" Poly	Other Equipment/ID#:		PPE Level: (D) C B A	
WELL INFO	(A) Initial Depth to Water (ft BTOC): 22.95	Casing: Type	Diam. (in)	Weather: Sunny, clear, ~60° F	
	(B) Total Well Depth (ft BTOC): 31.52	(E) Casing Volume Multiplier (gal/lin ft): 0.16		Background PID (ppm):	
	(C) Water Column Thickness (ft) (B-A): 8.57	Screen Length (lin ft):		Breathing Zone PID (ppm):	
	(D) Well Volume (gal) (C x E): 1.37	Screen Info: Type:	Size:	Well Opening PID (ppm):	

CASING INFO										
Riseer/Well Casing Inner Diameter (in)	0.50	1.00	1.50	2.00	3.00	4.00	5.0	6.0	8.0	10
(D) Casing Volume Multiplier(gal/lin ft)	0.02	0.04	0.10	0.16	0.38	0.65	1.02	1.47	2.61	4.08

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(mL)~~ gallons	Pumping Rate (mLpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Remarks (odor, clarity, etc.)
11/18/08	1045	23.10	1.4	500	18.75	6.90	22.17	1.32	1.40	57.6	
11/18/08	1055	23.12	2.8	500	18.85	6.94	22.25	0.89	0.86	53.5	
11/18/08	1105	23.12	4.2	500	18.94	6.94	22.30	0.70	0.73	52.0	
11/18/08	1115	23.13	5.6	500	18.97	6.94	22.31	0.65	0.69	51.1	
11/18/08	1125	23.13	7.0	500	19.00	6.94	22.30	0.63	0.67	50.4	

Colorimeter Results					No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
Time	Analyte	Dilution	Result	Units	3	40 ml	VOAs	HCl	N	8260B	VOCs
					2	1 L	Amber	None	N	8270C	SVOC
Sample Time					1	500mL	Poly	HNO3	Y	6010B/7470A	RCRA Metals
1155					2	1 L	Amber	None		8330A	Explosives
Sample Identification					1	500mL	Poly	None	N	160.1	TDS
MW29-05					1	500mL	Poly (combine w/ TDS)	None	N	300.1	Nitrate / Nitrite

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 0.5	DO	+/- 0.2
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10
	Cond	+/- 25	ORP	+/- 10

MONITORING WELL SAMPLE COLLECTION FORM

BHATE
Environmental Engineers and Scientist

Page 1 of 1

LOCATION	Site: SS-61 (Spill Site 61)	Location ID: DM ~~SS61~~ - MW29-08		Date: 11/21/08	
	Project Name: VCM Addendum	Project No./Phase: 9080130.02.01		Recorded By: DM (Dustin McNeil)	
EQUIPMENT	Pump Type/ID#: Geopump# U570303X	Water Quality Meter/ID#: YSI-556 # U53490X		PID Type/ID#:	
	Water Level Indicator Type/ID#: Keck # 3148	Other Equipment/ID#: Hanna Turbidity # U56026X		Decon Method: Liquinox	
	Tubing Type/Diameter (in): 1/4" Poly	Other Equipment/ID#:		PPE Level: (D) C B A	
WELL INFO	(A) Initial Depth to Water (ft BTOC): 23.15	Casing: Type PVC	Diam. (in) 2"	Weather: Clear, cold, ~35°	
	(B) Total Well Depth (ft BTOC): 26.08	(E) Casing Volume Multiplier (gal/lin ft): 0.16		Background PID (ppm):	
	(C) Water Column Thickness (ft) (B-A): 2.93	Screen Length (lin ft):		Breathing Zone PID (ppm):	
	(D) Well Volume (gal) (C x E): 0.46	Screen Info: Type:	Size:	Well Opening PID (ppm):	

CASING INFO										
Riseer/Well Casing Inner Diameter (in)	0.50	1.00	1.50	2.00	3.00	4.00	5.0	6.0	8.0	10
(D) Casing Volume Multiplier(gal/lin ft)	0.02	0.04	0.10	0.16	0.38	0.65	1.02	1.47	2.61	4.08

DATE (mmddyy)	TIME (24 Hr)	Water Level (BTOC)	Volume Removed ~~(mL)~~ gallons	Pumping Rate (mLpm)	Temp (C)	pH	Cond. (mS/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Remarks (odor, clarity, etc.)
11/21/08	0750	23.35	0.5	200	16.49	7.00	20.80	4.25	39.0	76.6	
11/21/08	0800	23.50	1.0	200	16.73	7.00	20.93	3.11	19.0	81.4	
11/21/08	0810	23.54	1.5	200	16.87	6.98	20.95	2.50	10.1	85.9	
11/21/08	0820	23.56	2.0	200	16.91	6.98	20.94	2.48	7.33	87.7	
11/21/08	0830	23.57	2.5	200	16.97	6.97	20.95	2.44	7.01	88.7	
11/21/08	0840	23.59	3.0	200	17.00	6.97	20.97	2.39	6.65	90.0	

Colorimeter Results				
Time	Analyte	Dilution	Result	Units

Sample Time
0920

Sample Identification
MW29-08

Conversions	Stabilization Criteria			
1 L = 0.26 gals	Temp	+/- 0.5	DO	+/- 0.2
1 gal = 3.79 L	pH	+/- 0.1	Turb	+/- 10
	Cond	+/- 25	ORP	+/- 10

No. Containers/Volume/Type			Preserv.	Filter (Y/N)	Method	Parameter(s)
3	40 ml	VOAs	HCl	N	8260B	VOCs
2	1 L	Amber	None	N	8270C	SVOC
1	500mL	Poly	HNO3	Y	6010B/7470A	RCRA Metals
2	1 L	Amber	None		8330A	Explosives
1	500mL	Poly	None	N	160.1	TDS
1	500mL	Poly (combine w/ TDS)	None	N	300.1	Nitrate / Nitrite

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/15/08

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S-01

Accutest Job Number: F61590

Sampling Date: 11/17/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **59**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Note: This report is password protected to disallow document modification or assembly.
A password to unlock this report is available from your client service representative.

Sections: 1 2 3 4 5 6 7

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F61590-1: SS61-SB01-18 7
3.2: F61590-2: SS61-SB01-27 12
3.3: F61590-3: SS61-SB01-37 17
3.4: F61590-4: TRIP BLANK 22
Section 4: Misc. Forms **25**
4.1: Chain of Custody 26
Section 5: GC/MS Volatiles - QC Data Summaries **28**
5.1: Method Blank Summary 29
5.2: Blank Spike Summary 35
5.3: Matrix Spike/Matrix Spike Duplicate Summary 41
Section 6: GC Volatiles - QC Data Summaries **47**
6.1: Method Blank Summary 48
6.2: Blank Spike Summary 50
6.3: Matrix Spike/Matrix Spike Duplicate Summary 52
Section 7: GC Semi-volatiles - QC Data Summaries **54**
7.1: Method Blank Summary 55
7.2: Blank Spike Summary 57
7.3: Matrix Spike/Matrix Spike Duplicate Summary 59

Sample Summary

North Wind, Inc

Job No: F61590

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S-01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F61590-1	11/17/08	11:50	ZB	11/18/08	SO	Soil	SS61-SB01-18
F61590-2	11/17/08	12:00	ZB	11/18/08	SO	Soil	SS61-SB01-27
F61590-3	11/17/08	12:25	ZB	11/18/08	SO	Soil	SS61-SB01-37
F61590-4	11/17/08	00:00	ZB	11/18/08	SO	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F61590

Site: Holloman AFB; DP64 Chemical Agent Disposal Pit **Report Date** 12/4/2008 4:11:03 PM

3 Samples, 1 Trip Blank were collected on 11/17/2008 and received at Accutest on 11/18/2008 properly preserved, at 2.2 Deg. C and intact. These Samples received an Accutest job number of F61590. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2060

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for Acetone, Acrolein, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene are outside control limits.

F61590-4 for Methyl ethyl ketone: CCV and BS outside of control limits; results may be biased low.

F61590-4 for Acetone: CCV and BS outside of control limits; results may be biased low.

F61590-3 for Methyl ethyl ketone: CCV and BS outside of control limits; results may be biased low.

F61590-3 for Acetone: CCV and BS outside of control limits; results may be biased low.

F61590-1 for Methylene chloride: Suspected laboratory contaminant.

F61590-1 for Methyl ethyl ketone: CCV and BS outside of control limits; results may be biased low.

F61590-1 for Acetone: CCV and BS outside of control limits; results may be biased low.

F61590-4 for Methylene chloride: Suspected laboratory contaminant.

Matrix: SO **Batch ID:** VG2061

Sample(s) F61708-1MS, F61708-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

The following samples were run outside of holding time for method SW846 8260B: F61590-2

Blank Spike Recovery(s) for Acetone, Ethyl methacrylate, Trans-1,4-Dichloro-2-Butene are outside control limits. Trans-1,4-Dichloro-2-Butene biased high, not detected in the samples. Acetone, Ethyl methacrylate data considered minimum

Matrix Spike Recovery(s) for Acetone, Acrolein, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Tetrachloroethylene, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for Acrolein, Benzyl Chloride, Bromobenzene, Freon 113, o-Chlorotoluene, o-Dichlorobenzene, Tetrachloroethylene, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

RPD(s) for MSD for Acetone, Acrolein, Freon 113, Methyl ethyl ketone, Propionitrile are outside control limits for sample F61708-1MSD. Probable cause due to sample homogeneity.

F61590-2: Methanol extract analysis required due to matrix interference.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GCD3622

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61590-1MS, F61590-1MSD were used as the QC samples indicated.

Matrix: SO **Batch ID:** GCD3623

All samples were analyzed within the recommended method holding time.

Sample(s) F61707-1MS, F61707-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Extractables by GC By Method SW846 8015 M

Matrix: SO **Batch ID:** OP27215

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F61622-7MS, F61622-7MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Wet Chemistry By Method SM19 2540B M

Matrix: SO **Batch ID:** GN32864

Sample(s) F61585-1DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: December 04, 2008

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-SB01-18		
Lab Sample ID:	F61590-1	**Date Sampled:**	11/17/08
Matrix:	SO - Soil	**Date Received:**	11/18/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054438.D	1	11/28/08	MM	11/18/08 10:17	n/a	VG2060
Run #2							

	Initial Weight
Run #1	5.66 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	54	27	ug/kg	
75-05-8	Acetonitrile	ND	54	17	ug/kg	
107-02-8	Acrolein	ND	27	11	ug/kg	
107-13-1	Acrylonitrile	ND	27	7.5	ug/kg	
107-05-1	Allyl chloride	ND	27	5.4	ug/kg	
71-43-2	Benzene	ND	5.4	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.4	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.4	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.4	1.8	ug/kg	
75-27-4	Bromodichloromethane	ND	5.4	1.3	ug/kg	
75-25-2	Bromoform	ND	5.4	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	5.4	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.4	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.4	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.4	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.4	2.2	ug/kg	
67-66-3	Chloroform	ND	5.4	1.8	ug/kg	
544-10-5	1-Chlorohexane	ND	5.4	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.4	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.4	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	27	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.4	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.4	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.4	2.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.4	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.4	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.4	2.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.4	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.4	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.4	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.4	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.4	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB01-18		
Lab Sample ID:	F61590-1	**Date Sampled:**	11/17/08
Matrix:	SO - Soil	**Date Received:**	11/18/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.4	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.4	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.4	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.4	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	27	5.4	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.4	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.4	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.4	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.4	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.4	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.4	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	27	5.4	ug/kg	
76-13-1	Freon 113	ND	5.4	2.8	ug/kg	
591-78-6	2-Hexanone	ND	27	5.4	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.4	1.3	ug/kg	
110-54-3	Hexane	ND	5.4	2.6	ug/kg	
98-82-8	Isopropylbenzene	ND	5.4	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.4	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	27	7.0	ug/kg	
126-98-7	Methacrylonitrile	ND	27	6.0	ug/kg	
74-83-9	Methyl bromide	ND	5.4	2.4	ug/kg	
74-87-3	Methyl chloride	ND	5.4	2.6	ug/kg	
74-88-4	Methyl iodide	ND	11	2.2	ug/kg	
80-62-6	Methyl methacrylate	ND	27	5.4	ug/kg	
74-95-3	Methylene bromide	ND	5.4	1.6	ug/kg	
75-09-2	Methylene chloride [b]	5.5	11	5.4	ug/kg	J
78-93-3	Methyl ethyl ketone [a]	ND	27	9.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.4	1.6	ug/kg	
91-20-3	Naphthalene	ND	5.4	2.2	ug/kg	
76-01-7	Pentachloroethane	ND	27	5.4	ug/kg	
107-12-0	Propionitrile	ND	54	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.4	1.3	ug/kg	
100-42-5	Styrene	ND	5.4	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.4	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.4	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.4	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.4	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.4	2.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.4	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.4	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB01-18		
Lab Sample ID:	F61590-1	**Date Sampled:**	11/17/08
Matrix:	SO - Soil	**Date Received:**	11/18/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.4	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.4	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.4	1.3	ug/kg	
108-88-3	Toluene	ND	5.4	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.4	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.4	2.2	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	27	5.4	ug/kg	
75-01-4	Vinyl chloride	ND	5.4	2.2	ug/kg	
108-05-4	Vinyl Acetate	ND	27	13	ug/kg	
	m,p-Xylene	ND	11	2.1	ug/kg	
95-47-6	o-Xylene	ND	5.4	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		80-121%
2037-26-5	Toluene-D8	97%		71-130%
460-00-4	4-Bromofluorobenzene	102%		59-148%
17060-07-0	1,2-Dichloroethane-D4	113%		77-123%

(a) CCV and BS outside of control limits; results may be biased low.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB01-18		
Lab Sample ID:	F61590-1	**Date Sampled:**	11/17/08
Matrix:	SO - Soil	**Date Received:**	11/18/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	81.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086047.D	1	11/28/08	JG	11/18/08 10:17	n/a	GCD3622
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.72 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.5	3.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	84%		56-136%
98-08-8	aaa-Trifluorotoluene	86%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB01-18		
Lab Sample ID:	F61590-1	**Date Sampled:**	11/17/08
Matrix:	SO - Soil	**Date Received:**	11/18/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	81.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL23997.D	1	11/21/08	ME	11/21/08	OP27215	GLL901
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.1	mg/kg	
	TPH (> C22-C36)	ND	10	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	73%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB01-27		
Lab Sample ID:	F61590-2	**Date Sampled:**	11/17/08
Matrix:	SO - Soil	**Date Received:**	11/18/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	78.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054478.D	1	12/01/08	MM	11/18/08 10:17	n/a	VG2061
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.34 g	5.0 ml	100 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3700	1800	ug/kg	
75-05-8	Acetonitrile	ND	3700	1200	ug/kg	
107-02-8	Acrolein	ND	1800	720	ug/kg	
107-13-1	Acrylonitrile	ND	1800	510	ug/kg	
107-05-1	Allyl chloride	ND	1800	370	ug/kg	
71-43-2	Benzene	ND	370	74	ug/kg	
100-44-7	Benzyl Chloride	ND	370	81	ug/kg	
108-86-1	Bromobenzene	ND	370	74	ug/kg	
74-97-5	Bromochloromethane	ND	370	130	ug/kg	
75-27-4	Bromodichloromethane	ND	370	89	ug/kg	
75-25-2	Bromoform	ND	370	110	ug/kg	
104-51-8	n-Butylbenzene	ND	370	100	ug/kg	
135-98-8	sec-Butylbenzene	3430	370	81	ug/kg	
98-06-6	tert-Butylbenzene	1270	370	81	ug/kg	
108-90-7	Chlorobenzene	ND	370	74	ug/kg	
75-00-3	Chloroethane	ND	370	150	ug/kg	
67-66-3	Chloroform	ND	370	130	ug/kg	
544-10-5	1-Chlorohexane	ND	370	96	ug/kg	
95-49-8	o-Chlorotoluene	ND	370	74	ug/kg	
106-43-4	p-Chlorotoluene	ND	370	74	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1800	740	ug/kg	
75-15-0	Carbon disulfide	ND	370	81	ug/kg	
56-23-5	Carbon tetrachloride	ND	370	100	ug/kg	
75-34-3	1,1-Dichloroethane	ND	370	150	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	370	96	ug/kg	
563-58-6	1,1-Dichloropropene	ND	370	100	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	370	180	ug/kg	
106-93-4	1,2-Dibromoethane	ND	370	74	ug/kg	
107-06-2	1,2-Dichloroethane	ND	370	81	ug/kg	
78-87-5	1,2-Dichloropropane	ND	370	100	ug/kg	
142-28-9	1,3-Dichloropropane	ND	370	74	ug/kg	
594-20-7	2,2-Dichloropropane	ND	370	160	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB01-27		
Lab Sample ID:	F61590-2	**Date Sampled:**	11/17/08
Matrix:	SO - Soil	**Date Received:**	11/18/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	78.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	370	74	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	370	150	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	370	120	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	370	96	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	1800	370	ug/kg	
541-73-1	m-Dichlorobenzene	ND	370	74	ug/kg	
95-50-1	o-Dichlorobenzene	ND	370	74	ug/kg	
106-46-7	p-Dichlorobenzene	ND	370	74	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	370	89	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	370	74	ug/kg	
100-41-4	Ethylbenzene	ND	370	74	ug/kg	
97-63-2	Ethyl methacrylate	ND	1800	370	ug/kg	
76-13-1	Freon 113	ND	370	190	ug/kg	
591-78-6	2-Hexanone	ND	1800	370	ug/kg	
87-68-3	Hexachlorobutadiene	ND	370	89	ug/kg	
110-54-3	Hexane	ND	370	180	ug/kg	
98-82-8	Isopropylbenzene	ND	370	81	ug/kg	
99-87-6	p-Isopropyltoluene	ND	370	81	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1800	470	ug/kg	
126-98-7	Methacrylonitrile	ND	1800	410	ug/kg	
74-83-9	Methyl bromide	ND	370	160	ug/kg	
74-87-3	Methyl chloride	ND	370	180	ug/kg	
74-88-4	Methyl iodide	ND	740	150	ug/kg	
80-62-6	Methyl methacrylate	ND	1800	370	ug/kg	
74-95-3	Methylene bromide	ND	370	110	ug/kg	
75-09-2	Methylene chloride	ND	740	370	ug/kg	
78-93-3	Methyl ethyl ketone	ND	1800	610	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	370	110	ug/kg	
91-20-3	Naphthalene	ND	370	150	ug/kg	
76-01-7	Pentachloroethane	ND	1800	370	ug/kg	
107-12-0	Propionitrile	ND	3700	890	ug/kg	
103-65-1	n-Propylbenzene	ND	370	89	ug/kg	
100-42-5	Styrene	ND	370	74	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	370	74	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	370	81	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	370	130	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	370	74	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	370	150	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	370	140	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	370	150	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB01-27		
Lab Sample ID:	F61590-2	**Date Sampled:**	11/17/08
Matrix:	SO - Soil	**Date Received:**	11/18/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	78.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	370	74	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	370	74	ug/kg	
127-18-4	Tetrachloroethylene	ND	370	89	ug/kg	
108-88-3	Toluene	ND	370	74	ug/kg	
79-01-6	Trichloroethylene	ND	370	89	ug/kg	
75-69-4	Trichlorofluoromethane	ND	370	150	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	1800	370	ug/kg	
75-01-4	Vinyl chloride	ND	370	150	ug/kg	
108-05-4	Vinyl Acetate	ND	1800	890	ug/kg	
	m,p-Xylene	ND	740	140	ug/kg	
95-47-6	o-Xylene	ND	370	74	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-121%
2037-26-5	Toluene-D8	96%		71-130%
460-00-4	4-Bromofluorobenzene	94%		59-148%
17060-07-0	1,2-Dichloroethane-D4	107%		77-123%

(a) Methanol extract analysis required due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB01-27		
Lab Sample ID:	F61590-2	**Date Sampled:**	11/17/08
Matrix:	SO - Soil	**Date Received:**	11/18/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	78.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086098.D	1	11/29/08	JG	11/18/08 10:17	n/a	GCD3623
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.34 g	5.0 ml	5.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1120	150	74	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	105%		56-136%
98-08-8	aaa-Trifluorotoluene	90%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB01-27		
Lab Sample ID:	F61590-2	**Date Sampled:**	11/17/08
Matrix:	SO - Soil	**Date Received:**	11/18/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	78.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL23998.D	1	11/21/08	ME	11/21/08	OP27215	GLL901
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	11	6.4	mg/kg	
	TPH (> C22-C36)	ND	11	6.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	79%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB01-37		
Lab Sample ID:	F61590-3	**Date Sampled:**	11/17/08
Matrix:	SO - Soil	**Date Received:**	11/18/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054443.D	1	11/28/08	MM	11/18/08 10:17	n/a	VG2060
Run #2							

	Initial Weight
Run #1	5.35 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	56	28	ug/kg	
75-05-8	Acetonitrile	ND	56	18	ug/kg	
107-02-8	Acrolein	ND	28	11	ug/kg	
107-13-1	Acrylonitrile	ND	28	7.7	ug/kg	
107-05-1	Allyl chloride	ND	28	5.6	ug/kg	
71-43-2	Benzene	ND	5.6	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.6	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.6	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.6	1.9	ug/kg	
75-27-4	Bromodichloromethane	ND	5.6	1.3	ug/kg	
75-25-2	Bromoform	ND	5.6	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	5.6	1.6	ug/kg	
135-98-8	sec-Butylbenzene	7.3	5.6	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.6	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.6	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.6	2.2	ug/kg	
67-66-3	Chloroform	ND	5.6	1.9	ug/kg	
544-10-5	1-Chlorohexane	ND	5.6	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.6	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.6	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	28	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.6	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.6	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.6	2.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.6	1.5	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.6	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.6	2.7	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.6	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	9.1	5.6	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.6	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.6	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.6	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB01-37		
Lab Sample ID:	F61590-3	**Date Sampled:**	11/17/08
Matrix:	SO - Soil	**Date Received:**	11/18/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.6	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.6	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.6	1.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.6	1.5	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	28	5.6	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.6	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.6	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.6	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.6	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.6	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.6	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	28	5.6	ug/kg	
76-13-1	Freon 113	ND	5.6	2.9	ug/kg	
591-78-6	2-Hexanone	ND	28	5.6	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.6	1.3	ug/kg	
110-54-3	Hexane	ND	5.6	2.7	ug/kg	
98-82-8	Isopropylbenzene	ND	5.6	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.6	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	28	7.2	ug/kg	
126-98-7	Methacrylonitrile	ND	28	6.1	ug/kg	
74-83-9	Methyl bromide	ND	5.6	2.5	ug/kg	
74-87-3	Methyl chloride	ND	5.6	2.7	ug/kg	
74-88-4	Methyl iodide	ND	11	2.2	ug/kg	
80-62-6	Methyl methacrylate	ND	28	5.6	ug/kg	
74-95-3	Methylene bromide	ND	5.6	1.7	ug/kg	
75-09-2	Methylene chloride	ND	11	5.6	ug/kg	
78-93-3	Methyl ethyl ketone [b]	ND	28	9.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.6	1.7	ug/kg	
91-20-3	Naphthalene	ND	5.6	2.2	ug/kg	
76-01-7	Pentachloroethane	ND	28	5.6	ug/kg	
107-12-0	Propionitrile	ND	56	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.6	1.3	ug/kg	
100-42-5	Styrene	ND	5.6	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.6	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.6	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.6	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.6	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.6	2.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.6	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB01-37		
Lab Sample ID:	F61590-3	**Date Sampled:**	11/17/08
Matrix:	SO - Soil	**Date Received:**	11/18/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.6	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.6	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.6	1.3	ug/kg	
108-88-3	Toluene	ND	5.6	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.6	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.6	2.2	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	28	5.6	ug/kg	
75-01-4	Vinyl chloride	ND	5.6	2.2	ug/kg	
108-05-4	Vinyl Acetate	ND	28	13	ug/kg	
	m,p-Xylene	3.4	11	2.1	ug/kg	J
95-47-6	o-Xylene	1.6	5.6	1.1	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-121%
2037-26-5	Toluene-D8	99%		71-130%
460-00-4	4-Bromofluorobenzene	95%		59-148%
17060-07-0	1,2-Dichloroethane-D4	112%		77-123%

(a) CCV and BS outside of control limits; results may be biased low.
(b) CCV and BS outside of control limits; results may be biased low.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB01-37		
Lab Sample ID:	F61590-3	**Date Sampled:**	11/17/08
Matrix:	SO - Soil	**Date Received:**	11/18/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	83.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086049.D	1	11/28/08	JG	11/18/08 10:17	n/a	GCD3622
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.48 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.4	3.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	83%		56-136%
98-08-8	aaa-Trifluorotoluene	83%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB01-37		
Lab Sample ID:	F61590-3	**Date Sampled:**	11/17/08
Matrix:	SO - Soil	**Date Received:**	11/18/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	83.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL23999.D	1	11/21/08	ME	11/21/08	OP27215	GLL901
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.9	6.0	mg/kg	
	TPH (> C22-C36)	ND	9.9	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	86%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61590-4	**Date Sampled:**	11/17/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/18/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054444.D	1	11/28/08	MM	n/a	n/a	VG2060
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61590-4	**Date Sampled:**	11/17/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/18/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride [b]	7.1	10	5.0	ug/kg	J
78-93-3	Methyl ethyl ketone [a]	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61590-4	**Date Sampled:**	11/17/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/18/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	3.0	10	1.9	ug/kg	J
95-47-6	o-Xylene	1.1	5.0	1.0	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		80-121%
2037-26-5	Toluene-D8	102%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	108%		77-123%

(a) CCV and BS outside of control limits; results may be biased low.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

BHATE

Environmental Engineers and Scientists

Page 1 of 1

NorthWind Project Number: NWI-5029S.01

Chain of Custody and Analytical Request

F61590

PO#:

Chain of Custody Number (1): 11-17-2008-01

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Zack Beck / Greg Kinsman

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code (2)	Sample Number (3)	Sample Matrix (4)	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)					Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Code ID
1	SS61-SB01-18	SS61-SB01	17 Nov 2008	1150	16 - 18	N	01	SO	5	X	X	X									1
2	SS61-SB01-27	SS61-SB01	17 Nov 2008	1200	25 - 27	N	01	SO	5	X	X	X									1
3	SS61-SB01-37	SS61-SB01	17 Nov 2008	1225	35 - 37	N	01	SO	5	X	X	X									1
4	Trip Blank				-	TB		WQ	3	X											1
					-																
					-																
					-																
					-																
					-																
					-																
					-																

Sample Analysis Requested (5) | Quality Assurance Samples (6)

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1.	J.Moore	11/17/08	1400	FX		
2.	FX			J. Dolan	11.18.08	09:00
3.						

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: _____ Shipped No.: _____

Method of Shipment: _____ Airbill Number: _____

Analytical Lab: Accutest Laboratories Delivery Location: _____

Lab Recipient: _____ Delivery Date/Time: _____

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

2. 9.

F61590: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61590 CLIENT: BHATE PROJECT: SS 61 (BOILL SITE 61)

DATE/TIME RECEIVED: 11-18-08 09:30 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.2

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8651 5824 0599

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [ ] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 12

NUMBER OF 5035 FIELD KITS ? TB

NUMBER OF LAB FILTERED METALS ?

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE: 11-18-08 TECHNICIAN SIGNATURE/DATE: 11/18/08 ASBD 12/17/07

4.1 4

F61590: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61590
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2060-MB	G0054433.D	1	11/28/08	MM	n/a	n/a	VG2060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61590-1, F61590-3, F61590-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61590
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2060-MB	G0054433.D	1	11/28/08	MM	n/a	n/a	VG2060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61590-1, F61590-3, F61590-4

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F61590
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2060-MB	G0054433.D	1	11/28/08	MM	n/a	n/a	VG2060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61590-1, F61590-3, F61590-4

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	104%	80-121%
2037-26-5	Toluene-D8	96%	71-130%
460-00-4	4-Bromofluorobenzene	101%	59-148%
17060-07-0	1,2-Dichloroethane-D4	114%	77-123%

Method Blank Summary

Job Number: F61590
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2061-MB	G0054483.D	1	12/01/08	MM	n/a	n/a	VG2061

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61590-2

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61590
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2061-MB	G0054483.D	1	12/01/08	MM	n/a	n/a	VG2061

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61590-2

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	6.3	10	5.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F61590
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2061-MB	G0054483.D	1	12/01/08	MM	n/a	n/a	VG2061

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61590-2

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	80-121%
2037-26-5	Toluene-D8	94%	71-130%
460-00-4	4-Bromofluorobenzene	98%	59-148%
17060-07-0	1,2-Dichloroethane-D4	109%	77-123%

Blank Spike Summary

Job Number: F61590
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2060-BS	G0054439.D	1	11/28/08	MM	n/a	n/a	VG2060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61590-1, F61590-3, F61590-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	123	49*	61-144
75-05-8	Acetonitrile	500	317	63	59-139
107-02-8	Acrolein	250	59.3	24*	27-156
107-13-1	Acrylonitrile	250	219	88	55-144
107-05-1	Allyl chloride	50	50.9	102	41-152
71-43-2	Benzene	50	53.9	108	78-130
100-44-7	Benzyl Chloride	50	43.4	87	74-130
108-86-1	Bromobenzene	50	54.7	109	78-123
74-97-5	Bromochloromethane	50	45.7	91	72-122
75-27-4	Bromodichloromethane	50	48.7	97	73-122
75-25-2	Bromoform	50	43.4	87	70-139
104-51-8	n-Butylbenzene	50	52.1	104	80-138
135-98-8	sec-Butylbenzene	50	54.8	110	82-132
98-06-6	tert-Butylbenzene	50	55.7	111	79-130
108-90-7	Chlorobenzene	50	52.3	105	83-122
75-00-3	Chloroethane	50	64.8	130	61-153
67-66-3	Chloroform	50	54.3	109	79-129
544-10-5	1-Chlorohexane	50	50.2	100	85-137
95-49-8	o-Chlorotoluene	50	53.5	107	77-123
106-43-4	p-Chlorotoluene	50	54.1	108	78-129
110-75-8	2-Chloroethyl vinyl ether	250	254	102	52-142
75-15-0	Carbon disulfide	50	42.5	85	61-142
56-23-5	Carbon tetrachloride	50	60.1	120	79-135
75-34-3	1,1-Dichloroethane	50	55.9	112	77-132
75-35-4	1,1-Dichloroethylene	50	50.4	101	66-132
563-58-6	1,1-Dichloropropene	50	55.9	112	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	41.5	83	67-129
106-93-4	1,2-Dibromoethane	50	45.0	90	77-126
107-06-2	1,2-Dichloroethane	50	47.7	95	78-129
78-87-5	1,2-Dichloropropane	50	49.0	98	74-127
142-28-9	1,3-Dichloropropane	50	43.4	87	78-118
594-20-7	2,2-Dichloropropane	50	57.7	115	80-137
124-48-1	Dibromochloromethane	50	48.9	98	78-117
75-71-8	Dichlorodifluoromethane	50	58.4	117	35-162
156-59-2	cis-1,2-Dichloroethylene	50	49.2	98	74-123
10061-01-5	cis-1,3-Dichloropropene	50	48.0	96	79-130

Blank Spike Summary

Job Number: F61590
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2060-BS	G0054439.D	1	11/28/08	MM	n/a	n/a	VG2060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61590-1, F61590-3, F61590-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	48.0	96	71-126
541-73-1	m-Dichlorobenzene	50	52.7	105	82-126
95-50-1	o-Dichlorobenzene	50	51.0	102	83-123
106-46-7	p-Dichlorobenzene	50	54.3	109	84-124
156-60-5	trans-1,2-Dichloroethylene	50	53.8	108	77-129
10061-02-6	trans-1,3-Dichloropropene	50	49.6	99	87-131
100-41-4	Ethylbenzene	50	54.1	108	82-124
97-63-2	Ethyl methacrylate	50	43.6	87	78-118
76-13-1	Freon 113	50	37.1	74	62-147
591-78-6	2-Hexanone	250	181	72	67-130
87-68-3	Hexachlorobutadiene	50	66.5	133	77-150
110-54-3	Hexane	50	63.0	126	65-147
98-82-8	Isopropylbenzene	50	55.6	111	82-133
99-87-6	p-Isopropyltoluene	50	55.6	111	82-132
108-10-1	4-Methyl-2-pentanone	250	205	82	69-125
126-98-7	Methacrylonitrile	500	408	82	70-138
74-83-9	Methyl bromide	50	72.1	144	60-146
74-87-3	Methyl chloride	50	52.5	105	58-163
74-88-4	Methyl iodide	50	38.1	76	66-128
80-62-6	Methyl methacrylate	50	42.1	84	73-125
74-95-3	Methylene bromide	50	49.3	99	75-128
75-09-2	Methylene chloride	50	42.4	85	62-140
78-93-3	Methyl ethyl ketone	250	145	58*	66-134
1634-04-4	Methyl Tert Butyl Ether	50	44.4	89	70-131
91-20-3	Naphthalene	50	43.3	87	59-143
76-01-7	Pentachloroethane	50	60.3	121	64-156
107-12-0	Propionitrile	500	378	76	73-133
103-65-1	n-Propylbenzene	50	54.5	109	78-129
100-42-5	Styrene	50	51.4	103	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	50.8	102	81-121
71-55-6	1,1,1-Trichloroethane	50	59.5	119	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	45.8	92	70-128
79-00-5	1,1,2-Trichloroethane	50	46.8	94	76-118
87-61-6	1,2,3-Trichlorobenzene	50	47.1	94	78-136
96-18-4	1,2,3-Trichloropropane	50	43.1	86	74-125
120-82-1	1,2,4-Trichlorobenzene	50	55.4	111	82-137

Blank Spike Summary

Job Number: F61590
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2060-BS	G0054439.D	1	11/28/08	MM	n/a	n/a	VG2060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61590-1, F61590-3, F61590-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	54.7	109	77-129
108-67-8	1,3,5-Trimethylbenzene	50	54.8	110	79-129
127-18-4	Tetrachloroethylene	50	60.0	120	79-132
108-88-3	Toluene	50	52.9	106	80-123
79-01-6	Trichloroethylene	50	55.5	111	78-132
75-69-4	Trichlorofluoromethane	50	58.3	117	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	82.4	165*	74-138
75-01-4	Vinyl chloride	50	54.6	109	60-145
108-05-4	Vinyl Acetate	250	320	128	25-164
	m,p-Xylene	100	107	107	82-128
95-47-6	o-Xylene	50	51.5	103	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	104%	80-121%
2037-26-5	Toluene-D8	99%	71-130%
460-00-4	4-Bromofluorobenzene	100%	59-148%
17060-07-0	1,2-Dichloroethane-D4	103%	77-123%

Blank Spike Summary

Job Number: F61590
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2061-BS	G0054473.D	1	12/01/08	MM	n/a	n/a	VG2061

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61590-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	139	56*	61-144
75-05-8	Acetonitrile	500	391	78	59-139
107-02-8	Acrolein	250	76.6	31	27-156
107-13-1	Acrylonitrile	250	217	87	55-144
107-05-1	Allyl chloride	50	61.4	123	41-152
71-43-2	Benzene	50	55.1	110	78-130
100-44-7	Benzyl Chloride	50	37.3	75	74-130
108-86-1	Bromobenzene	50	53.4	107	78-123
74-97-5	Bromochloromethane	50	44.6	89	72-122
75-27-4	Bromodichloromethane	50	49.6	99	73-122
75-25-2	Bromoform	50	37.9	76	70-139
104-51-8	n-Butylbenzene	50	57.5	115	80-138
135-98-8	sec-Butylbenzene	50	58.5	117	82-132
98-06-6	tert-Butylbenzene	50	56.2	112	79-130
108-90-7	Chlorobenzene	50	53.1	106	83-122
75-00-3	Chloroethane	50	53.0	106	61-153
67-66-3	Chloroform	50	56.1	112	79-129
544-10-5	1-Chlorohexane	50	54.5	109	85-137
95-49-8	o-Chlorotoluene	50	56.0	112	77-123
106-43-4	p-Chlorotoluene	50	55.5	111	78-129
110-75-8	2-Chloroethyl vinyl ether	250	270	108	52-142
75-15-0	Carbon disulfide	50	42.7	85	61-142
56-23-5	Carbon tetrachloride	50	56.0	112	79-135
75-34-3	1,1-Dichloroethane	50	56.4	113	77-132
75-35-4	1,1-Dichloroethylene	50	50.0	100	66-132
563-58-6	1,1-Dichloropropene	50	52.6	105	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	37.0	74	67-129
106-93-4	1,2-Dibromoethane	50	43.5	87	77-126
107-06-2	1,2-Dichloroethane	50	46.5	93	78-129
78-87-5	1,2-Dichloropropane	50	49.9	100	74-127
142-28-9	1,3-Dichloropropane	50	44.4	89	78-118
594-20-7	2,2-Dichloropropane	50	58.3	117	80-137
124-48-1	Dibromochloromethane	50	40.5	81	78-117
75-71-8	Dichlorodifluoromethane	50	36.1	72	35-162
156-59-2	cis-1,2-Dichloroethylene	50	51.1	102	74-123
10061-01-5	cis-1,3-Dichloropropene	50	49.4	99	79-130

Blank Spike Summary

Job Number: F61590
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2061-BS	G0054473.D	1	12/01/08	MM	n/a	n/a	VG2061

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61590-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	46.1	92	71-126
541-73-1	m-Dichlorobenzene	50	55.7	111	82-126
95-50-1	o-Dichlorobenzene	50	53.6	107	83-123
106-46-7	p-Dichlorobenzene	50	55.3	111	84-124
156-60-5	trans-1,2-Dichloroethylene	50	53.7	107	77-129
10061-02-6	trans-1,3-Dichloropropene	50	51.9	104	87-131
100-41-4	Ethylbenzene	50	53.1	106	82-124
97-63-2	Ethyl methacrylate	50	35.1	70*	78-118
76-13-1	Freon 113	50	44.7	89	62-147
591-78-6	2-Hexanone	250	178	71	67-130
87-68-3	Hexachlorobutadiene	50	62.5	125	77-150
110-54-3	Hexane	50	55.2	110	65-147
98-82-8	Isopropylbenzene	50	56.9	114	82-133
99-87-6	p-Isopropyltoluene	50	58.4	117	82-132
108-10-1	4-Methyl-2-pentanone	250	190	76	69-125
126-98-7	Methacrylonitrile	500	431	86	70-138
74-83-9	Methyl bromide	50	52.1	104	60-146
74-87-3	Methyl chloride	50	45.1	90	58-163
74-88-4	Methyl iodide	50	42.3	85	66-128
80-62-6	Methyl methacrylate	50	39.8	80	73-125
74-95-3	Methylene bromide	50	45.4	91	75-128
75-09-2	Methylene chloride	50	55.6	111	62-140
78-93-3	Methyl ethyl ketone	250	167	67	66-134
1634-04-4	Methyl Tert Butyl Ether	50	41.6	83	70-131
91-20-3	Naphthalene	50	43.1	86	59-143
76-01-7	Pentachloroethane	50	57.3	115	64-156
107-12-0	Propionitrile	500	402	80	73-133
103-65-1	n-Propylbenzene	50	56.8	114	78-129
100-42-5	Styrene	50	48.0	96	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	50.2	100	81-121
71-55-6	1,1,1-Trichloroethane	50	55.4	111	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	44.6	89	70-128
79-00-5	1,1,2-Trichloroethane	50	44.4	89	76-118
87-61-6	1,2,3-Trichlorobenzene	50	52.4	105	78-136
96-18-4	1,2,3-Trichloropropane	50	41.6	83	74-125
120-82-1	1,2,4-Trichlorobenzene	50	54.6	109	82-137

Blank Spike Summary

Job Number: F61590
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2061-BS	G0054473.D	1	12/01/08	MM	n/a	n/a	VG2061

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61590-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	56.9	114	77-129
108-67-8	1,3,5-Trimethylbenzene	50	56.8	114	79-129
127-18-4	Tetrachloroethylene	50	55.9	112	79-132
108-88-3	Toluene	50	53.2	106	80-123
79-01-6	Trichloroethylene	50	53.5	107	78-132
75-69-4	Trichlorofluoromethane	50	47.1	94	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	78.6	157*	74-138
75-01-4	Vinyl chloride	50	42.9	86	60-145
108-05-4	Vinyl Acetate	250	227	91	25-164
	m,p-Xylene	100	111	111	82-128
95-47-6	o-Xylene	50	54.0	108	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	80-121%
2037-26-5	Toluene-D8	96%	71-130%
460-00-4	4-Bromofluorobenzene	96%	59-148%
17060-07-0	1,2-Dichloroethane-D4	96%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61590
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61590-1MS	G0054440.D	1	11/28/08	MM	n/a	n/a	VG2060
F61590-1MSD	G0054441.D	1	11/28/08	MM	n/a	n/a	VG2060
F61590-1	G0054438.D	1	11/28/08	MM	n/a	n/a	VG2060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61590-1, F61590-3, F61590-4

CAS No.	Compound	F61590-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		338	193	57*	153	45*	23	61-144/29
75-05-8	Acetonitrile	ND		676	490	73	464	69	5	59-139/30
107-02-8	Acrolein	ND		338	69.6	21*	84.3	25*	19	27-156/39
107-13-1	Acrylonitrile	ND		338	303	90	279	83	8	55-144/24
107-05-1	Allyl chloride	ND		67.6	70.4	104	65.0	97	8	41-152/24
71-43-2	Benzene	ND		67.6	75.2	111	70.9	105	6	78-130/25
100-44-7	Benzyl Chloride	ND		67.6	56.6	84	54.4	81	4	74-130/28
108-86-1	Bromobenzene	ND		67.6	73.8	109	69.0	103	7	78-123/30
74-97-5	Bromochloromethane	ND		67.6	65.1	96	58.8	87	10	72-122/23
75-27-4	Bromodichloromethane	ND		67.6	69.0	102	64.1	95	7	73-122/25
75-25-2	Bromoform	ND		67.6	63.2	94	57.4	85	10	70-139/26
104-51-8	n-Butylbenzene	ND		67.6	73.1	108	69.5	103	5	80-138/31
135-98-8	sec-Butylbenzene	ND		67.6	73.2	108	70.5	105	4	82-132/29
98-06-6	tert-Butylbenzene	ND		67.6	73.9	109	72.0	107	3	79-130/29
108-90-7	Chlorobenzene	ND		67.6	72.3	107	67.3	100	7	83-122/23
75-00-3	Chloroethane	ND		67.6	88.1	130	80.5	120	9	61-153/31
67-66-3	Chloroform	ND		67.6	77.4	115	70.5	105	9	79-129/27
544-10-5	1-Chlorohexane	ND		67.6	68.2	101	64.1	95	6	85-137/29
95-49-8	o-Chlorotoluene	ND		67.6	73.0	108	69.5	103	5	77-123/31
106-43-4	p-Chlorotoluene	ND		67.6	72.2	107	70.1	104	3	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		338	376	111	341	101	10	52-142/25
75-15-0	Carbon disulfide	ND		67.6	55.2	82	51.7	77	7	61-142/27
56-23-5	Carbon tetrachloride	ND		67.6	82.2	122	75.5	112	8	79-135/29
75-34-3	1,1-Dichloroethane	ND		67.6	76.9	114	72.0	107	7	77-132/26
75-35-4	1,1-Dichloroethylene	ND		67.6	68.3	101	62.5	93	9	66-132/27
563-58-6	1,1-Dichloropropene	ND		67.6	76.9	114	71.0	106	8	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		67.6	60.1	89	58.5	87	3	67-129/29
106-93-4	1,2-Dibromoethane	ND		67.6	62.5	92	56.5	84	10	77-126/24
107-06-2	1,2-Dichloroethane	ND		67.6	66.4	98	63.4	94	5	78-129/24
78-87-5	1,2-Dichloropropane	ND		67.6	67.9	100	64.5	96	5	74-127/27
142-28-9	1,3-Dichloropropane	ND		67.6	62.8	93	59.1	88	6	78-118/26
594-20-7	2,2-Dichloropropane	ND		67.6	76.3	113	71.5	106	6	80-137/28
124-48-1	Dibromochloromethane	ND		67.6	67.8	100	63.4	94	7	78-117/27
75-71-8	Dichlorodifluoromethane	ND		67.6	78.9	117	71.4	106	10	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		67.6	66.5	98	64.6	96	3	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		67.6	69.3	103	63.6	95	9	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61590
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61590-1MS	G0054440.D	1	11/28/08	MM	n/a	n/a	VG2060
F61590-1MSD	G0054441.D	1	11/28/08	MM	n/a	n/a	VG2060
F61590-1	G0054438.D	1	11/28/08	MM	n/a	n/a	VG2060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61590-1, F61590-3, F61590-4

CAS No.	Compound	F61590-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		67.6	67.5	100	64.6	96	4	71-126/28
541-73-1	m-Dichlorobenzene	ND		67.6	77.6	115	70.1	104	10	82-126/29
95-50-1	o-Dichlorobenzene	ND		67.6	72.5	107	69.6	103	4	83-123/28
106-46-7	p-Dichlorobenzene	ND		67.6	74.6	110	70.8	105	5	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		67.6	77.4	115	70.4	105	9	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		67.6	73.3	108	64.1	95	13	87-131/27
100-41-4	Ethylbenzene	ND		67.6	73.7	109	69.7	104	6	82-124/25
97-63-2	Ethyl methacrylate	ND		67.6	64.6	96	56.7	84	13	78-118/30
76-13-1	Freon 113	ND		67.6	49.6	73	43.0	64	14	62-147/29
591-78-6	2-Hexanone	ND		338	270	80	237	70	13	67-130/29
87-68-3	Hexachlorobutadiene	ND		67.6	86.8	128	80.6	120	7	77-150/36
110-54-3	Hexane	ND		67.6	87.6	130	80.6	120	8	65-147/27
98-82-8	Isopropylbenzene	ND		67.6	74.7	111	73.8	110	1	82-133/27
99-87-6	p-Isopropyltoluene	ND		67.6	75.4	112	71.6	106	5	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		338	314	93	277	82	13	69-125/24
126-98-7	Methacrylonitrile	ND		676	614	91	552	82	11	70-138/22
74-83-9	Methyl bromide	ND		67.6	104	154*	89.2	133	15	60-146/31
74-87-3	Methyl chloride	ND		67.6	73.2	108	68.9	102	6	58-163/26
74-88-4	Methyl iodide	ND		67.6	51.0	75	47.7	71	7	66-128/27
80-62-6	Methyl methacrylate	ND		67.6	64.6	96	59.4	88	8	73-125/24
74-95-3	Methylene bromide	ND		67.6	68.9	102	62.2	92	10	75-128/26
75-09-2	Methylene chloride	5.5	J	67.6	55.3	74	53.2	71	4	62-140/25
78-93-3	Methyl ethyl ketone	ND		338	225	67	194	58*	15	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		67.6	63.4	94	58.8	87	8	70-131/25
91-20-3	Naphthalene	ND		67.6	65.2	96	59.9	89	8	59-143/31
76-01-7	Pentachloroethane	ND		67.6	83.4	123	76.3	113	9	64-156/37
107-12-0	Propionitrile	ND		676	562	83	515	77	9	73-133/23
103-65-1	n-Propylbenzene	ND		67.6	73.1	108	71.3	106	2	78-129/29
100-42-5	Styrene	ND		67.6	71.3	105	67.5	100	5	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		67.6	71.2	105	67.7	101	5	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		67.6	80.9	120	74.3	110	9	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		67.6	63.4	94	61.9	92	2	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		67.6	66.8	99	61.0	91	9	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		67.6	72.1	107	66.1	98	9	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		67.6	61.3	91	56.9	85	7	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		67.6	79.8	118	75.9	113	5	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61590
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61590-1MS	G0054440.D	1	11/28/08	MM	n/a	n/a	VG2060
F61590-1MSD	G0054441.D	1	11/28/08	MM	n/a	n/a	VG2060
F61590-1	G0054438.D	1	11/28/08	MM	n/a	n/a	VG2060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61590-1, F61590-3, F61590-4

CAS No.	Compound	F61590-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		67.6	75.6	112	70.1	104	8	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		67.6	74.6	110	69.9	104	7	79-129/31
127-18-4	Tetrachloroethylene	ND		67.6	79.9	118	75.6	112	6	79-132/27
108-88-3	Toluene	ND		67.6	72.3	107	67.8	101	6	80-123/26
79-01-6	Trichloroethylene	ND		67.6	75.8	112	70.4	105	7	78-132/28
75-69-4	Trichlorofluoromethane	ND		67.6	78.2	116	70.3	104	11	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		67.6	123	182*	116	172*	6	74-138/30
75-01-4	Vinyl chloride	ND		67.6	74.5	110	66.6	99	11	60-145/29
108-05-4	Vinyl Acetate	ND		338	437	129	401	119	9	25-164/35
	m,p-Xylene	ND		135	149	110	139	103	7	82-128/25
95-47-6	o-Xylene	ND		67.6	70.7	105	68.5	102	3	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61590-1	Limits
1868-53-7	Dibromofluoromethane	104%	103%	110%	80-121%
2037-26-5	Toluene-D8	98%	98%	97%	71-130%
460-00-4	4-Bromofluorobenzene	98%	99%	102%	59-148%
17060-07-0	1,2-Dichloroethane-D4	100%	97%	113%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61590
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61708-1MS	G0054476.D	1	12/01/08	MM	n/a	n/a	VG2061
F61708-1MSD	G0054477.D	1	12/01/08	MM	n/a	n/a	VG2061
F61708-1	G0054475.D	1	12/01/08	MM	n/a	n/a	VG2061

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61590-2

CAS No.	Compound	F61708-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		281	124	44*	172	62	32*	61-144/29
75-05-8	Acetonitrile	ND		562	379	67	486	87	25	59-139/30
107-02-8	Acrolein	ND		281	12.3	4*	ND	0*	200*	27-156/39
107-13-1	Acrylonitrile	ND		281	254	90	314	112	21	55-144/24
107-05-1	Allyl chloride	ND		56.2	50.3	89	51.4	92	2	41-152/24
71-43-2	Benzene	ND		56.2	63.4	113	66.9	120	5	78-130/25
100-44-7	Benzyl Chloride	ND		56.2	34.8	62*	34.0	61*	2	74-130/28
108-86-1	Bromobenzene	ND		56.2	64.5	115	70.4	126*	9	78-123/30
74-97-5	Bromochloromethane	ND		56.2	53.8	96	58.0	104	8	72-122/23
75-27-4	Bromodichloromethane	ND		56.2	56.1	100	58.4	104	4	73-122/25
75-25-2	Bromoform	ND		56.2	52.7	94	52.9	95	0	70-139/26
104-51-8	n-Butylbenzene	ND		56.2	64.7	115	68.6	123	6	80-138/31
135-98-8	sec-Butylbenzene	ND		56.2	67.5	120	73.7	132	9	82-132/29
98-06-6	tert-Butylbenzene	ND		56.2	66.5	118	72.0	129	8	79-130/29
108-90-7	Chlorobenzene	ND		56.2	63.6	113	66.7	119	5	83-122/23
75-00-3	Chloroethane	ND		56.2	62.2	111	73.9	132	17	61-153/31
67-66-3	Chloroform	ND		56.2	62.2	111	70.2	126	12	79-129/27
544-10-5	1-Chlorohexane	ND		56.2	64.7	115	66.2	118	2	85-137/29
95-49-8	o-Chlorotoluene	ND		56.2	64.9	115	69.5	124*	7	77-123/31
106-43-4	p-Chlorotoluene	ND		56.2	63.7	113	68.3	122	7	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		281	332	118	352	126	6	52-142/25
75-15-0	Carbon disulfide	ND		56.2	55.4	99	58.6	105	6	61-142/27
56-23-5	Carbon tetrachloride	ND		56.2	67.6	120	68.0	122	1	79-135/29
75-34-3	1,1-Dichloroethane	ND		56.2	63.6	113	66.7	119	5	77-132/26
75-35-4	1,1-Dichloroethylene	ND		56.2	61.3	109	63.5	114	4	66-132/27
563-58-6	1,1-Dichloropropene	ND		56.2	62.9	112	67.3	120	7	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		56.2	50.0	89	59.4	106	17	67-129/29
106-93-4	1,2-Dibromoethane	ND		56.2	55.4	99	58.7	105	6	77-126/24
107-06-2	1,2-Dichloroethane	ND		56.2	55.3	98	62.7	112	13	78-129/24
78-87-5	1,2-Dichloropropane	ND		56.2	58.2	103	64.1	115	10	74-127/27
142-28-9	1,3-Dichloropropane	ND		56.2	56.2	100	58.8	105	5	78-118/26
594-20-7	2,2-Dichloropropane	ND		56.2	53.2	95	47.4	85	12	80-137/28
124-48-1	Dibromochloromethane	ND		56.2	51.2	91	54.9	98	7	78-117/27
75-71-8	Dichlorodifluoromethane	ND		56.2	45.3	81	53.0	95	16	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		56.2	57.9	103	64.8	116	11	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		56.2	56.3	100	58.3	104	3	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61590
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61708-1MS	G0054476.D	1	12/01/08	MM	n/a	n/a	VG2061
F61708-1MSD	G0054477.D	1	12/01/08	MM	n/a	n/a	VG2061
F61708-1	G0054475.D	1	12/01/08	MM	n/a	n/a	VG2061

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61590-2

CAS No.	Compound	F61708-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		56.2	48.2	86	52.6	94	9	71-126/28
541-73-1	m-Dichlorobenzene	ND		56.2	65.8	117	68.9	123	5	82-126/29
95-50-1	o-Dichlorobenzene	ND		56.2	63.2	112	69.3	124*	9	83-123/28
106-46-7	p-Dichlorobenzene	ND		56.2	61.5	109	68.7	123	11	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		56.2	62.8	112	67.9	121	8	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		56.2	60.3	107	60.0	107	0	87-131/27
100-41-4	Ethylbenzene	ND		56.2	63.5	113	67.8	121	7	82-124/25
97-63-2	Ethyl methacrylate	ND		56.2	42.9	76*	49.0	88	13	78-118/30
76-13-1	Freon 113	ND		56.2	55.4	99	86.5	155*	44*	62-147/29
591-78-6	2-Hexanone	ND		281	218	78	252	90	14	67-130/29
87-68-3	Hexachlorobutadiene	ND		56.2	69.9	124	83.2	149	17	77-150/36
110-54-3	Hexane	ND		56.2	56.7	101	59.7	107	5	65-147/27
98-82-8	Isopropylbenzene	ND		56.2	67.7	120	71.3	128	5	82-133/27
99-87-6	p-Isopropyltoluene	ND		56.2	65.0	116	72.4	129	11	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		281	260	92	300	107	14	69-125/24
126-98-7	Methacrylonitrile	ND		562	497	88	620	111	22	70-138/22
74-83-9	Methyl bromide	ND		56.2	62.1	110	65.5	117	5	60-146/31
74-87-3	Methyl chloride	ND		56.2	53.9	96	59.2	106	9	58-163/26
74-88-4	Methyl iodide	ND		56.2	51.5	92	56.3	101	9	66-128/27
80-62-6	Methyl methacrylate	ND		56.2	51.1	91	58.2	104	13	73-125/24
74-95-3	Methylene bromide	ND		56.2	53.2	95	62.2	111	16	75-128/26
75-09-2	Methylene chloride	5.7	JB	56.2	65.9	107	68.9	113	4	62-140/25
78-93-3	Methyl ethyl ketone	ND		281	170	60*	230	82	30*	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		56.2	51.2	91	50.6	90	1	70-131/25
91-20-3	Naphthalene	ND		56.2	54.9	98	57.1	102	4	59-143/31
76-01-7	Pentachloroethane	ND		56.2	55.0	98	54.3	97	1	64-156/37
107-12-0	Propionitrile	ND		562	454	81	597	107	27*	73-133/23
103-65-1	n-Propylbenzene	ND		56.2	66.8	119	71.7	128	7	78-129/29
100-42-5	Styrene	ND		56.2	56.3	100	57.2	102	2	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		56.2	63.5	113	63.4	113	0	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		56.2	66.6	118	74.1	133	11	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		56.2	56.5	100	66.5	119	16	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		56.2	56.6	101	63.1	113	11	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		56.2	61.6	110	68.7	123	11	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		56.2	49.1	87	55.7	100	13	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		56.2	65.3	116	65.3	117	0	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61590
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61708-1MS	G0054476.D	1	12/01/08	MM	n/a	n/a	VG2061
F61708-1MSD	G0054477.D	1	12/01/08	MM	n/a	n/a	VG2061
F61708-1	G0054475.D	1	12/01/08	MM	n/a	n/a	VG2061

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61590-2

CAS No.	Compound	F61708-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		56.2	65.2	116	70.8	127	8	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		56.2	65.3	116	70.8	127	8	79-129/31
127-18-4	Tetrachloroethylene	ND		56.2	75.7	135*	80.4	144*	6	79-132/27
108-88-3	Toluene	ND		56.2	62.9	112	66.3	119	5	80-123/26
79-01-6	Trichloroethylene	ND		56.2	62.9	112	68.7	123	9	78-132/28
75-69-4	Trichlorofluoromethane	ND		56.2	57.4	102	74.8	134	26	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		56.2	97.8	174*	94.9	170*	3	74-138/30
75-01-4	Vinyl chloride	ND		56.2	50.7	90	57.3	102	12	60-145/29
108-05-4	Vinyl Acetate	ND		281	66.0	23*	59.5	21*	10	25-164/35
	m,p-Xylene	ND		112	129	115	138	123	7	82-128/25
95-47-6	o-Xylene	ND		56.2	65.4	116	66.6	119	2	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61708-1	Limits
1868-53-7	Dibromofluoromethane	101%	108%	102%	80-121%
2037-26-5	Toluene-D8	100%	96%	93%	71-130%
460-00-4	4-Bromofluorobenzene	100%	100%	96%	59-148%
17060-07-0	1,2-Dichloroethane-D4	92%	105%	108%	77-123%

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61590
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3622-MB	CD086046.D	1	11/28/08	JG	n/a	n/a	GCD3622

The QC reported here applies to the following samples: **Method:** SW846 8015

F61590-1, F61590-3

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	77%	56-136%
98-08-8	aaa-Trifluorotoluene	85%	61-121%

Method Blank Summary

Job Number: F61590
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3623-MB	CD086076.D	1	11/28/08	JG	n/a	n/a	GCD3623

The QC reported here applies to the following samples: **Method:** SW846 8015

F61590-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	83%	56-136%
98-08-8	aaa-Trifluorotoluene	88%	61-121%

Blank Spike Summary

Job Number: F61590
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3622-BS	CD086045.D	1	11/28/08	JG	n/a	n/a	GCD3622

The QC reported here applies to the following samples: **Method:** SW846 8015

F61590-1, F61590-3

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	16.2	81	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	100%	56-136%
98-08-8	aaa-Trifluorotoluene	86%	61-121%

Blank Spike Summary

Job Number: F61590
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3623-BS	CD086075.D	1	11/28/08	JG	n/a	n/a	GCD3623

The QC reported here applies to the following samples: **Method:** SW846 8015

F61590-2

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	16.6	83	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	110%	56-136%
98-08-8	aaa-Trifluorotoluene	101%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61590
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61590-1MS	CD086053.D	1	11/28/08	JG	n/a	n/a	GCD3622
F61590-1MSD	CD086054.D	1	11/28/08	JG	n/a	n/a	GCD3622
F61590-1	CD086047.D	1	11/28/08	JG	n/a	n/a	GCD3622

The QC reported here applies to the following samples: **Method:** SW846 8015

F61590-1, F61590-3

CAS No.	Compound	F61590-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		26.1	20.8	80	20.6	79	1	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61590-1	Limits
460-00-4	4-Bromofluorobenzene	106%	107%	84%	56-136%
98-08-8	aaa-Trifluorotoluene	94%	94%	86%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61590
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61707-1MS	CD086092.D	1	11/29/08	JG	n/a	n/a	GCD3623
F61707-1MSD	CD086093.D	1	11/29/08	JG	n/a	n/a	GCD3623
F61707-1	CD086087.D	1	11/29/08	JG	n/a	n/a	GCD3623

The QC reported here applies to the following samples: **Method:** SW846 8015

F61590-2

CAS No.	Compound	F61707-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		23.6	18.1	77	18.7	79	3	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61707-1	Limits
460-00-4	4-Bromofluorobenzene	106%	112%	84%	56-136%
98-08-8	aaa-Trifluorotoluene	88%	92%	86%	61-121%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61590
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27215-MB	LL23996.D	1	11/21/08	ME	11/21/08	OP27215	GLL901

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61590-1, F61590-2, F61590-3

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	87%	49-108%

Method Blank Summary

Job Number: F61590
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27215-MB	LL24075.D	1	11/25/08	ME	11/21/08	OP27215	GLL903

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61590-1, F61590-2, F61590-3

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	84%	49-108%

Blank Spike Summary

Job Number: F61590
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27215-BS	LL23995.D	1	11/21/08	ME	11/21/08	OP27215	GLL901

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61590-1, F61590-2, F61590-3

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	29.1	87	64-102
	TPH (> C22-C36)	33.3	35.5	107	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	90%	49-108%

Blank Spike Summary

Job Number: F61590
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27215-BS	LL24074.D	1	11/25/08	ME	11/21/08	OP27215	GLL903

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61590-1, F61590-2, F61590-3

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	28.5	86	64-102
	TPH (> C22-C36)	33.3	31.6	95	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	88%	49-108%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61590
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27215-MS	LL24022.D	1	11/22/08	ME	11/21/08	OP27215	GLL901
OP27215-MSD	LL24023.D	1	11/22/08	ME	11/21/08	OP27215	GLL901
F61622-7	LL24009.D	1	11/22/08	ME	11/21/08	OP27215	GLL901

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61590-1, F61590-2, F61590-3

CAS No.	Compound	F61622-7 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		40.1	34.3	86	33.2	83	3	64-102/32
	TPH (> C22-C36)	ND		40.1	37.9	95	42.1	105	11	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F61622-7	Limits
84-15-1	o-Terphenyl	87%	88%	89%	49-108%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/15/08

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F61620

Sampling Date: 11/18/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **68**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Note: This report is password protected to disallow document modification or assembly.
A password to unlock this report is available from your client service representative.

Sections: 1 2 3 4 5 6 7

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F61620-1: SS61-SB04-19 7
3.2: F61620-2: SS61-SB04-31 12
3.3: F61620-3: SS61-SB04-40 17
3.4: F61620-4: TRIP BLANK 22
Section 4: Misc. Forms **25**
4.1: Chain of Custody 26
Section 5: GC/MS Volatiles - QC Data Summaries **28**
5.1: Method Blank Summary 29
5.2: Blank Spike Summary 39
5.3: Matrix Spike/Matrix Spike Duplicate Summary 49
Section 6: GC Volatiles - QC Data Summaries **59**
6.1: Method Blank Summary 60
6.2: Blank Spike Summary 61
6.3: Matrix Spike/Matrix Spike Duplicate Summary 62
Section 7: GC Semi-volatiles - QC Data Summaries **63**
7.1: Method Blank Summary 64
7.2: Blank Spike Summary 66
7.3: Matrix Spike/Matrix Spike Duplicate Summary 68

Sample Summary

North Wind, Inc

Job No: F61620

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F61620-1	11/18/08	10:20	ZB	11/19/08	SO	Soil	SS61-SB04-19
F61620-2	11/18/08	10:35	ZB	11/19/08	SO	Soil	SS61-SB04-31
F61620-3	11/18/08	10:50	ZB	11/19/08	SO	Soil	SS61-SB04-40
F61620-4	11/18/08	00:00	ZB	11/19/08	SO	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F61620

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/9/2008 9:49:50 AM

3 Samples, 1 Trip Blank were collected on 11/18/2008 and received at Accutest on 11/19/2008 properly preserved, at 2.6 Deg. C and intact. These Samples received an Accutest job number of F61620. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2055

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61419-2MS, F61419-2MSD were used as the QC samples indicated.

BS and/or MS/MSD Recovery(s) for Acrolein, Bromoform, Propionitrile, Trans-1,4-Dichloro-2-Butene are outside control limits. TDB biased high, Propionitrile passed in MS/MSD, Acetone and Bromoform data considered minimum values.

Matrix Spike Recovery(s) for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, Bromobenzene, Methylene chloride, n-Propylbenzene, o-Chlorotoluene, p-Isopropyltoluene, sec-Butylbenzene, tert-Butylbenzene, Trans-1,4-Dichloro-2-Butene are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Acetone, Benzyl Chloride, Ethyl methacrylate, Hexachlorobutadiene, Methyl ethyl ketone, Methylene chloride, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference. See Blank Spike for method performance in clean matrix.

RPD(s) for MSD for 1,1,2,2-Tetrachloroethane, 1,2,4-Trimethylbenzene, Acrolein, Benzyl Chloride, Bromoform, cis-1,4-Dichloro-2-Butene, Ethyl methacrylate, Methyl ethyl ketone, n-Propylbenzene, Pentachloroethane, tert-Butylbenzene, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits for sample F61419-2MSD. Probable cause due to sample homogeneity.

Matrix: SO **Batch ID:** VG2056

All samples were analyzed within the recommended method holding time.

Sample(s) F61417-1MS, F61417-1MSD were used as the QC samples indicated.

Sample(s) F61620-2 have compound(s) reported with a “B” qualifier, indicating analyte is found in the associated method blank.

Blank Spike Recovery(s) for Benzyl Chloride, Bromoform, Hexachlorobutadiene, Methyl ethyl ketone, Pentachloroethane, Propionitrile, Trans-1,4-Dichloro-2-Butene are outside control limits. Bromoform, Pentachloroethane, and Hexachlorobutadiene passed in MS/MSD, TDB biased high, Benzyl Chloride, MEK, Propionitrile data considered minimum values.

Matrix Spike Recovery(s) for Acetone, Acrolein, Ethyl methacrylate, Methyl Tert Butyl Ether, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 2-Hexanone, Acetone, Ethyl methacrylate, Methyl Tert Butyl Ether, Vinyl Acetate are outside control limits. Probable cause due to matrix interference. For method performance in clean matrix refer to Blank Spike.

F61620-2 for Methylene chloride: Suspected laboratory contaminant.

Matrix: SO **Batch ID:** VG2057

All samples were analyzed within the recommended method holding time.

Sample(s) F61585-2MS, F61585-2MSD were used as the QC samples indicated.

Sample(s) F61620-3, F61620-4 have compound(s) reported with a “B” qualifier, indicating analyte is found in the associated method blank.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2057

BS and/or MS/MSD Recovery(s) for 1,2,3-Trichloropropane, 2-Chloroethyl vinyl ether, Acetone, Acrolein, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Propionitrile, Trans-1,4-Dichloro-2-Butene are outside control limits. 2-CEVE and TBD biased high, 1,2,3-TCP, Benzyl Chloride passed in MS/MSD, the rest are considered minimum values.

Matrix Spike Recovery(s) for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1-Chlorohexane, 2-Hexanone, Acetone, Acrolein,

Ethyl methacrylate, Hexachlorobutadiene, Methyl ethyl ketone, Methylene chloride, n-Butylbenzene, Propionitrile, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Acrolein, Hexachlorobutadiene, Methyl ethyl ketone, n-Butylbenzene, Naphthalene, Propionitrile, are outside control limits. Probable cause due to matrix interference. See Blank Spike.

RPD(s) for MSD for Acrolein, Benzyl Chloride, Ethyl methacrylate, Methylene chloride, Vinyl Acetate are outside control limits for sample F61585-2MSD. Probable cause due to sample homogeneity.

F61620-4 for Methylene chloride: Suspected laboratory contaminant.

F61620-3 for Methylene chloride: Suspected laboratory contaminant.

Matrix: SO **Batch ID:** VH1958

All samples were analyzed within the recommended method holding time.

Sample(s) F61585-6MS, F61585-6MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GQR1946

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61559-11MS, F61559-11MSD were used as the QC samples indicated.

Extractables by GC By Method SW846 8015 M

Matrix: SO **Batch ID:** OP27215

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F61622-7MS, F61622-7MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

F61620-2 for TPH (C10-C22): Petroleum hydrocarbon pattern begins before C10.

Wet Chemistry By Method SM19 2540B M

Matrix: SO **Batch ID:** GN32892

Sample(s) F61620-1DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: December 09, 2008

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-SB04-19		
Lab Sample ID:	F61620-1	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	76.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054302.D	1	11/20/08	MM	11/19/08 11:50	n/a	VG2055
Run #2							

	Initial Weight
Run #1	5.46 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	60	30	ug/kg	
75-05-8	Acetonitrile	ND	60	19	ug/kg	
107-02-8	Acrolein	ND	30	12	ug/kg	
107-13-1	Acrylonitrile	ND	30	8.2	ug/kg	
107-05-1	Allyl chloride	ND	30	6.0	ug/kg	
71-43-2	Benzene	ND	6.0	1.2	ug/kg	
100-44-7	Benzyl Chloride	ND	6.0	1.3	ug/kg	
108-86-1	Bromobenzene	ND	6.0	1.2	ug/kg	
74-97-5	Bromochloromethane	ND	6.0	2.0	ug/kg	
75-27-4	Bromodichloromethane	ND	6.0	1.4	ug/kg	
75-25-2	Bromoform	ND	6.0	1.8	ug/kg	
104-51-8	n-Butylbenzene	ND	6.0	1.7	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.0	1.3	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.0	1.3	ug/kg	
108-90-7	Chlorobenzene	ND	6.0	1.2	ug/kg	
75-00-3	Chloroethane	ND	6.0	2.4	ug/kg	
67-66-3	Chloroform	ND	6.0	2.0	ug/kg	
544-10-5	1-Chlorohexane	ND	6.0	1.6	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.0	1.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.0	1.2	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	30	12	ug/kg	
75-15-0	Carbon disulfide	ND	6.0	1.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.0	1.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.0	2.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.0	1.6	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.0	1.7	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.0	2.9	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.0	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.0	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.0	1.7	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.0	1.2	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.0	2.5	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB04-19		
Lab Sample ID:	F61620-1	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	76.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	6.0	1.2	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.0	2.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.0	1.9	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.0	1.6	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	30	6.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.0	1.2	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.0	1.2	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.0	1.2	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.0	1.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.0	1.2	ug/kg	
100-41-4	Ethylbenzene	ND	6.0	1.2	ug/kg	
97-63-2	Ethyl methacrylate	ND	30	6.0	ug/kg	
76-13-1	Freon 113	ND	6.0	3.1	ug/kg	
591-78-6	2-Hexanone	ND	30	6.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.0	1.4	ug/kg	
110-54-3	Hexane	ND	6.0	2.9	ug/kg	
98-82-8	Isopropylbenzene	ND	6.0	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.0	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	30	7.6	ug/kg	
126-98-7	Methacrylonitrile	ND	30	6.6	ug/kg	
74-83-9	Methyl bromide	ND	6.0	2.6	ug/kg	
74-87-3	Methyl chloride	ND	6.0	2.9	ug/kg	
74-88-4	Methyl iodide	ND	12	2.4	ug/kg	
80-62-6	Methyl methacrylate	ND	30	6.0	ug/kg	
74-95-3	Methylene bromide	ND	6.0	1.8	ug/kg	
75-09-2	Methylene chloride	ND	12	6.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	30	9.9	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.0	1.8	ug/kg	
91-20-3	Naphthalene	ND	6.0	2.4	ug/kg	
76-01-7	Pentachloroethane	ND	30	6.0	ug/kg	
107-12-0	Propionitrile	ND	60	14	ug/kg	
103-65-1	n-Propylbenzene	ND	6.0	1.4	ug/kg	
100-42-5	Styrene	ND	6.0	1.2	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.0	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.0	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.0	2.1	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.0	1.2	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.0	2.4	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.0	2.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.0	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB04-19		
Lab Sample ID:	F61620-1	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	76.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	6.0	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.0	1.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.0	1.4	ug/kg	
108-88-3	Toluene	ND	6.0	1.2	ug/kg	
79-01-6	Trichloroethylene	ND	6.0	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.0	2.4	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	30	6.0	ug/kg	
75-01-4	Vinyl chloride	ND	6.0	2.4	ug/kg	
108-05-4	Vinyl Acetate	ND	30	14	ug/kg	
	m,p-Xylene	ND	12	2.3	ug/kg	
95-47-6	o-Xylene	ND	6.0	1.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-121%
2037-26-5	Toluene-D8	95%		71-130%
460-00-4	4-Bromofluorobenzene	100%		59-148%
17060-07-0	1,2-Dichloroethane-D4	106%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB04-19		
Lab Sample ID:	F61620-1	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	76.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR044720.D	1	11/20/08	AH	11/19/08 11:50	n/a	GQR1946
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.31 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.6	3.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	106%		56-136%
98-08-8	aaa-Trifluorotoluene	80%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB04-19		
Lab Sample ID:	F61620-1	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	76.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24010.D	1	11/22/08	ME	11/21/08	OP27215	GLL901
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	11	6.5	mg/kg	
	TPH (> C22-C36)	ND	11	6.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	79%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB04-31		
Lab Sample ID:	F61620-2	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	73.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054314.D	1	11/21/08	MM	11/19/08 11:50	n/a	VG2056
Run #2	G0054344.D	1	11/24/08	MM	11/19/08 11:50	n/a	VG2057

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.20 g	5.0 ml	20.0 ul
Run #2	4.20 g	5.0 ml	10.0 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25000	12000	ug/kg	
75-05-8	Acetonitrile	ND	25000	7900	ug/kg	
107-02-8	Acrolein	ND	12000	4900	ug/kg	
107-13-1	Acrylonitrile	ND	12000	3400	ug/kg	
107-05-1	Allyl chloride	ND	12000	2500	ug/kg	
71-43-2	Benzene	32200	2500	500	ug/kg	
100-44-7	Benzyl Chloride	ND	2500	550	ug/kg	
108-86-1	Bromobenzene	ND	2500	500	ug/kg	
74-97-5	Bromochloromethane	ND	2500	840	ug/kg	
75-27-4	Bromodichloromethane	ND	2500	600	ug/kg	
75-25-2	Bromoform	ND	2500	740	ug/kg	
104-51-8	n-Butylbenzene	ND	2500	690	ug/kg	
135-98-8	sec-Butylbenzene	2680	2500	550	ug/kg	
98-06-6	tert-Butylbenzene	1080	2500	550	ug/kg	J
108-90-7	Chlorobenzene	ND	2500	500	ug/kg	
75-00-3	Chloroethane	ND	2500	990	ug/kg	
67-66-3	Chloroform	ND	2500	840	ug/kg	
544-10-5	1-Chlorohexane	ND	2500	640	ug/kg	
95-49-8	o-Chlorotoluene	ND	2500	500	ug/kg	
106-43-4	p-Chlorotoluene	ND	2500	500	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	12000	5000	ug/kg	
75-15-0	Carbon disulfide	ND	2500	550	ug/kg	
56-23-5	Carbon tetrachloride	ND	2500	690	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2500	990	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	2500	640	ug/kg	
563-58-6	1,1-Dichloropropene	ND	2500	690	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2500	1200	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2500	500	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2500	550	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2500	690	ug/kg	
142-28-9	1,3-Dichloropropane	ND	2500	500	ug/kg	
594-20-7	2,2-Dichloropropane	ND	2500	1000	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB04-31		
Lab Sample ID:	F61620-2	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	73.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	2500	500	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2500	990	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	2500	790	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2500	640	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	12000	2500	ug/kg	
541-73-1	m-Dichlorobenzene	ND	2500	500	ug/kg	
95-50-1	o-Dichlorobenzene	ND	2500	500	ug/kg	
106-46-7	p-Dichlorobenzene	ND	2500	500	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	2500	600	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2500	500	ug/kg	
100-41-4	Ethylbenzene	19000	2500	500	ug/kg	
97-63-2	Ethyl methacrylate	ND	12000	2500	ug/kg	
76-13-1	Freon 113	ND	2500	1300	ug/kg	
591-78-6	2-Hexanone	ND	12000	2500	ug/kg	
87-68-3	Hexachlorobutadiene	ND	2500	600	ug/kg	
110-54-3	Hexane	52100	2500	1200	ug/kg	
98-82-8	Isopropylbenzene	107000 [a]	5000	1100	ug/kg	
99-87-6	p-Isopropyltoluene	ND	2500	550	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	12000	3200	ug/kg	
126-98-7	Methacrylonitrile	ND	12000	2700	ug/kg	
74-83-9	Methyl bromide	ND	2500	1100	ug/kg	
74-87-3	Methyl chloride	ND	2500	1200	ug/kg	
74-88-4	Methyl iodide	ND	5000	990	ug/kg	
80-62-6	Methyl methacrylate	ND	12000	2500	ug/kg	
74-95-3	Methylene bromide	ND	2500	740	ug/kg	
75-09-2	Methylene chloride [b]	2580	5000	2500	ug/kg	JB
78-93-3	Methyl ethyl ketone	ND	12000	4100	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2500	740	ug/kg	
91-20-3	Naphthalene	3510 [a]	5000	2000	ug/kg	J
76-01-7	Pentachloroethane	ND	12000	2500	ug/kg	
107-12-0	Propionitrile	ND	25000	6000	ug/kg	
103-65-1	n-Propylbenzene	3710	2500	600	ug/kg	
100-42-5	Styrene	ND	2500	500	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2500	500	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2500	550	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2500	890	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2500	500	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	2500	990	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	2500	940	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	2500	990	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB04-31		
Lab Sample ID:	F61620-2	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	73.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	30000	2500	500	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	15400	2500	500	ug/kg	
127-18-4	Tetrachloroethylene	ND	2500	600	ug/kg	
108-88-3	Toluene	45700	2500	500	ug/kg	
79-01-6	Trichloroethylene	ND	2500	600	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2500	990	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	12000	2500	ug/kg	
75-01-4	Vinyl chloride	ND	2500	990	ug/kg	
108-05-4	Vinyl Acetate	ND	12000	6000	ug/kg	
	m,p-Xylene	93000	5000	940	ug/kg	
95-47-6	o-Xylene	33400	2500	500	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%	98%	80-121%
2037-26-5	Toluene-D8	94%	91%	71-130%
460-00-4	4-Bromofluorobenzene	98%	95%	59-148%
17060-07-0	1,2-Dichloroethane-D4	101%	104%	77-123%

(a) Result is from Run# 2
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB04-31		
Lab Sample ID:	F61620-2	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	73.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR044719.D	10	11/20/08	AH	11/19/08 11:50	n/a	GQR1946
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.74 g	5.0 ml	10.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	2080	770	390	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	86%		56-136%
98-08-8	aaa-Trifluorotoluene	121%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB04-31		
Lab Sample ID:	F61620-2	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	73.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24079.D	1	11/25/08	ME	11/21/08	OP27215	GLL903
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22) [a]	9.95	11	6.7	mg/kg	J
	TPH (> C22-C36)	ND	11	6.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	90%		49-108%

(a) Petroleum hydrocarbon pattern begins before C10.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB04-40		
Lab Sample ID:	F61620-3	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054345.D	1	11/24/08	MM	11/19/08 11:50	n/a	VG2057
Run #2	H052608.D	1	11/25/08	MM	11/19/08 11:50	n/a	VH1958

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.88 g		
Run #2	5.77 g	5.0 ml	100 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	52	26	ug/kg	
75-05-8	Acetonitrile	ND	52	17	ug/kg	
107-02-8	Acrolein	ND	26	10	ug/kg	
107-13-1	Acrylonitrile	ND	26	7.2	ug/kg	
107-05-1	Allyl chloride	ND	26	5.2	ug/kg	
71-43-2	Benzene	1640 [a]	330	65	ug/kg	
100-44-7	Benzyl Chloride	ND	5.2	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.2	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.2	1.8	ug/kg	
75-27-4	Bromodichloromethane	ND	5.2	1.3	ug/kg	
75-25-2	Bromoform	ND	5.2	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	5.2	1.5	ug/kg	
135-98-8	sec-Butylbenzene	1.2	5.2	1.2	ug/kg	J
98-06-6	tert-Butylbenzene	ND	5.2	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.2	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.2	2.1	ug/kg	
67-66-3	Chloroform	ND	5.2	1.8	ug/kg	
544-10-5	1-Chlorohexane	ND	5.2	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.2	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.2	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	26	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.2	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.2	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.2	2.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.2	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.2	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.2	2.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.2	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	20.7	5.2	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.2	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.2	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.2	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB04-40		
Lab Sample ID:	F61620-3	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.2	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.2	2.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.2	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.2	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	26	5.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.2	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.2	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.2	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.2	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.2	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.2	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	26	5.2	ug/kg	
76-13-1	Freon 113	ND	5.2	2.7	ug/kg	
591-78-6	2-Hexanone	ND	26	5.2	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.2	1.3	ug/kg	
110-54-3	Hexane	ND	5.2	2.5	ug/kg	
98-82-8	Isopropylbenzene	159	5.2	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.2	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	26	6.7	ug/kg	
126-98-7	Methacrylonitrile	ND	26	5.8	ug/kg	
74-83-9	Methyl bromide	ND	5.2	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.2	2.5	ug/kg	
74-88-4	Methyl iodide	ND	10	2.1	ug/kg	
80-62-6	Methyl methacrylate	ND	26	5.2	ug/kg	
74-95-3	Methylene bromide	ND	5.2	1.6	ug/kg	
75-09-2	Methylene chloride [b]	14.9	10	5.2	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	26	8.7	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.2	1.6	ug/kg	
91-20-3	Naphthalene	ND	5.2	2.1	ug/kg	
76-01-7	Pentachloroethane	ND	26	5.2	ug/kg	
107-12-0	Propionitrile	ND	52	13	ug/kg	
103-65-1	n-Propylbenzene	1.7	5.2	1.3	ug/kg	J
100-42-5	Styrene	ND	5.2	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.2	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.2	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.2	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.2	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.2	2.1	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.2	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.2	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB04-40		
Lab Sample ID:	F61620-3	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.2	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.2	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.2	1.3	ug/kg	
108-88-3	Toluene	ND	5.2	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.2	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.2	2.1	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	26	5.2	ug/kg	
75-01-4	Vinyl chloride	ND	5.2	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	26	13	ug/kg	
	m,p-Xylene	ND	10	2.0	ug/kg	
95-47-6	o-Xylene	ND	5.2	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%	107%	80-121%
2037-26-5	Toluene-D8	92%	98%	71-130%
460-00-4	4-Bromofluorobenzene	105%	96%	59-148%
17060-07-0	1,2-Dichloroethane-D4	107%	102%	77-123%

(a) Result is from Run# 2
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB04-40		
Lab Sample ID:	F61620-3	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	81.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR044721.D	1	11/20/08	AH	11/19/08 11:50	n/a	GQR1946
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.77 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	4.87	6.5	3.3	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	99%		56-136%
98-08-8	aaa-Trifluorotoluene	79%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB04-40		
Lab Sample ID:	F61620-3	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	81.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24012.D	1	11/22/08	ME	11/21/08	OP27215	GLL901
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.1	mg/kg	
	TPH (> C22-C36)	ND	10	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	88%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61620-4	**Date Sampled:**	11/18/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/19/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054303.D	1	11/20/08	MM	n/a	n/a	VG2055
Run #2	G0054346.D	1	11/24/08	MM	n/a	n/a	VG2057

	Initial Weight
Run #1	5.00 g
Run #2	5.00 g

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND [a]	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61620-4	**Date Sampled:**	11/18/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/19/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND [a]	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride [b]	26.2 [a]	10	5.0	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61620-4	**Date Sampled:**	11/18/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/19/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%	102%	80-121%
2037-26-5	Toluene-D8	95%	93%	71-130%
460-00-4	4-Bromofluorobenzene	103%	95%	59-148%
17060-07-0	1,2-Dichloroethane-D4	102%	103%	77-123%

(a) Result is from Run# 2
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

F61620

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

Page 1 of 1

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number [1]: 11-18-2008-04

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Zack Beck / Greg Linsman

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)						Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
									Sample Analysis Requested [5]										Quality Assurance Samples [6]			
1	SS61-SB04-19	SS61-SB04	18-Nov-2008	1020	17 - 19	N	01	SO	5	X	X	X										
2	SS61-SB04-31	SS61-SB04	18-Nov-2008	1035	29 - 31	N	01	SO	5	X	X	X										
3	SS61-SB04-40	SS61-SB04	18-Nov-2008	1050	38 - 40	N	01	SO	5	X	X	X										
4	Trip Blank				-	TB		WQ	3	X												
					-																	
					-																	
					-																	
					-																	
					-																	
					-																	
					-																	

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1.		11/18/08	1400	FX		
2.	FX				11/19/08	9:00
3.						

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: Shipped No.:

Method of Shipment: Airbill Number:

Analytical Lab: Accutest Laboratories Delivery Location:

Lab Recipient: Delivery Date/Time:

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

2.6

4.1 4

F61620: Chain of Custody

Page 1 of 2

ACCUTEST Laboratories F61620

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61620 CLIENT: BHATE PROJECT: SS-61

DATE/TIME RECEIVED: 11/19/08 9:30 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.6

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8651 5824 0338

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [X] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 12

NUMBER OF 5035 FIELD KITS ? TB

NUMBER OF LAB FILTERED METALS ? 8

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE: 11/19/08 TECHNICIAN SIGNATURE/DATE: 11-19-08

ASBD 12/17/07

4.1 4

F61620: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61620
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2055-MB	G0054284.D	1	11/20/08	MM	n/a	n/a	VG2055

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61620-1, F61620-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61620
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2055-MB	G0054284.D	1	11/20/08	MM	n/a	n/a	VG2055

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61620-1, F61620-4

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	7.8	10	5.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F61620
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2055-MB	G0054284.D	1	11/20/08	MM	n/a	n/a	VG2055

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61620-1, F61620-4

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	98%	80-121%
2037-26-5	Toluene-D8	92%	71-130%
460-00-4	4-Bromofluorobenzene	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	103%	77-123%

Method Blank Summary

Job Number: F61620
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2056-MB	G0054312.D	1	11/21/08	MM	n/a	n/a	VG2056

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61620-2

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61620
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2056-MB	G0054312.D	1	11/21/08	MM	n/a	n/a	VG2056

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61620-2

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	5.8	10	5.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	

Method Blank Summary

Job Number: F61620
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2056-MB	G0054312.D	1	11/21/08	MM	n/a	n/a	VG2056

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61620-2

CAS No.	Compound	Result	RL	MDL	Units	Q
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	97%	80-121%
2037-26-5	Toluene-D8	91%	71-130%
460-00-4	4-Bromofluorobenzene	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	98%	77-123%

Method Blank Summary

Job Number: F61620
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2057-MB	G0054342.D	1	11/24/08	MM	n/a	n/a	VG2057

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61620-2, F61620-3, F61620-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61620
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2057-MB	G0054342.D	1	11/24/08	MM	n/a	n/a	VG2057

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61620-2, F61620-3, F61620-4

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	12.8	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F61620
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2057-MB	G0054342.D	1	11/24/08	MM	n/a	n/a	VG2057

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61620-2, F61620-3, F61620-4

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	103%	80-121%
2037-26-5	Toluene-D8	92%	71-130%
460-00-4	4-Bromofluorobenzene	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	108%	77-123%

Method Blank Summary

Job Number: F61620
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH1958-MB	H052596.D	1	11/25/08	MM	n/a	n/a	VH1958

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61620-3

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	103%	80-121%
2037-26-5	Toluene-D8	87%	71-130%
460-00-4	4-Bromofluorobenzene	96%	59-148%
17060-07-0	1,2-Dichloroethane-D4	103%	77-123%

Blank Spike Summary

Job Number: F61620
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2055-BS	G0054283.D	1	11/20/08	MM	n/a	n/a	VG2055

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61620-1, F61620-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	176	70	61-144
75-05-8	Acetonitrile	500	358	72	59-139
107-02-8	Acrolein	250	59.9	24*	27-156
107-13-1	Acrylonitrile	250	211	84	55-144
107-05-1	Allyl chloride	50	53.5	107	41-152
71-43-2	Benzene	50	53.9	108	78-130
100-44-7	Benzyl Chloride	50	41.3	83	74-130
108-86-1	Bromobenzene	50	51.8	104	78-123
74-97-5	Bromochloromethane	50	44.8	90	72-122
75-27-4	Bromodichloromethane	50	47.1	94	73-122
75-25-2	Bromoform	50	3.4	7*	70-139
104-51-8	n-Butylbenzene	50	57.5	115	80-138
135-98-8	sec-Butylbenzene	50	56.2	112	82-132
98-06-6	tert-Butylbenzene	50	55.2	110	79-130
108-90-7	Chlorobenzene	50	51.3	103	83-122
75-00-3	Chloroethane	50	54.5	109	61-153
67-66-3	Chloroform	50	54.2	108	79-129
544-10-5	1-Chlorohexane	50	53.1	106	85-137
95-49-8	o-Chlorotoluene	50	55.8	112	77-123
106-43-4	p-Chlorotoluene	50	56.3	113	78-129
110-75-8	2-Chloroethyl vinyl ether	250	270	108	52-142
75-15-0	Carbon disulfide	50	45.2	90	61-142
56-23-5	Carbon tetrachloride	50	50.1	100	79-135
75-34-3	1,1-Dichloroethane	50	54.8	110	77-132
75-35-4	1,1-Dichloroethylene	50	50.5	101	66-132
563-58-6	1,1-Dichloropropene	50	47.8	96	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	39.1	78	67-129
106-93-4	1,2-Dibromoethane	50	44.7	89	77-126
107-06-2	1,2-Dichloroethane	50	45.8	92	78-129
78-87-5	1,2-Dichloropropane	50	49.3	99	74-127
142-28-9	1,3-Dichloropropane	50	44.1	88	78-118
594-20-7	2,2-Dichloropropane	50	54.0	108	80-137
124-48-1	Dibromochloromethane	50	47.8	96	78-117
75-71-8	Dichlorodifluoromethane	50	40.4	81	35-162
156-59-2	cis-1,2-Dichloroethylene	50	52.9	106	74-123
10061-01-5	cis-1,3-Dichloropropene	50	52.1	104	79-130

Blank Spike Summary

Job Number: F61620
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2055-BS	G0054283.D	1	11/20/08	MM	n/a	n/a	VG2055

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61620-1, F61620-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	43.1	86	71-126
541-73-1	m-Dichlorobenzene	50	55.3	111	82-126
95-50-1	o-Dichlorobenzene	50	53.6	107	83-123
106-46-7	p-Dichlorobenzene	50	56.0	112	84-124
156-60-5	trans-1,2-Dichloroethylene	50	51.7	103	77-129
10061-02-6	trans-1,3-Dichloropropene	50	50.2	100	87-131
100-41-4	Ethylbenzene	50	54.5	109	82-124
97-63-2	Ethyl methacrylate	50	42.7	85	78-118
76-13-1	Freon 113	50	48.0	96	62-147
591-78-6	2-Hexanone	250	197	79	67-130
87-68-3	Hexachlorobutadiene	50	41.9	84	77-150
110-54-3	Hexane	50	59.1	118	65-147
98-82-8	Isopropylbenzene	50	57.4	115	82-133
99-87-6	p-Isopropyltoluene	50	57.4	115	82-132
108-10-1	4-Methyl-2-pentanone	250	207	83	69-125
126-98-7	Methacrylonitrile	500	376	75	70-138
74-83-9	Methyl bromide	50	54.1	108	60-146
74-87-3	Methyl chloride	50	50.4	101	58-163
74-88-4	Methyl iodide	50	42.9	86	66-128
80-62-6	Methyl methacrylate	50	44.8	90	73-125
74-95-3	Methylene bromide	50	46.6	93	75-128
75-09-2	Methylene chloride	50	52.7	105	62-140
78-93-3	Methyl ethyl ketone	250	169	68	66-134
1634-04-4	Methyl Tert Butyl Ether	50	44.6	89	70-131
91-20-3	Naphthalene	50	45.7	91	59-143
76-01-7	Pentachloroethane	50	55.1	110	64-156
107-12-0	Propionitrile	500	361	72*	73-133
103-65-1	n-Propylbenzene	50	56.9	114	78-129
100-42-5	Styrene	50	54.6	109	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	53.0	106	81-121
71-55-6	1,1,1-Trichloroethane	50	54.5	109	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	45.8	92	70-128
79-00-5	1,1,2-Trichloroethane	50	44.6	89	76-118
87-61-6	1,2,3-Trichlorobenzene	50	53.5	107	78-136
96-18-4	1,2,3-Trichloropropane	50	45.2	90	74-125
120-82-1	1,2,4-Trichlorobenzene	50	54.4	109	82-137

Blank Spike Summary

Job Number: F61620
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2055-BS	G0054283.D	1	11/20/08	MM	n/a	n/a	VG2055

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61620-1, F61620-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	56.3	113	77-129
108-67-8	1,3,5-Trimethylbenzene	50	56.5	113	79-129
127-18-4	Tetrachloroethylene	50	52.2	104	79-132
108-88-3	Toluene	50	51.7	103	80-123
79-01-6	Trichloroethylene	50	52.1	104	78-132
75-69-4	Trichlorofluoromethane	50	43.2	86	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	86.4	173*	74-138
75-01-4	Vinyl chloride	50	43.0	86	60-145
108-05-4	Vinyl Acetate	250	244	98	25-164
	m,p-Xylene	100	109	109	82-128
95-47-6	o-Xylene	50	55.6	111	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	80-121%
2037-26-5	Toluene-D8	94%	71-130%
460-00-4	4-Bromofluorobenzene	100%	59-148%
17060-07-0	1,2-Dichloroethane-D4	87%	77-123%

Blank Spike Summary

Job Number: F61620
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2056-BS	G0054311.D	1	11/21/08	MM	n/a	n/a	VG2056

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61620-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	156	62	61-144
75-05-8	Acetonitrile	500	321	64	59-139
107-02-8	Acrolein	250	93.5	37	27-156
107-13-1	Acrylonitrile	250	206	82	55-144
107-05-1	Allyl chloride	50	51.1	102	41-152
71-43-2	Benzene	50	53.9	108	78-130
100-44-7	Benzyl Chloride	50	34.3	69*	74-130
108-86-1	Bromobenzene	50	55.3	111	78-123
74-97-5	Bromochloromethane	50	43.4	87	72-122
75-27-4	Bromodichloromethane	50	48.8	98	73-122
75-25-2	Bromoform	50	ND	0*	70-139
104-51-8	n-Butylbenzene	50	57.5	115	80-138
135-98-8	sec-Butylbenzene	50	59.0	118	82-132
98-06-6	tert-Butylbenzene	50	57.9	116	79-130
108-90-7	Chlorobenzene	50	52.4	105	83-122
75-00-3	Chloroethane	50	53.4	107	61-153
67-66-3	Chloroform	50	54.0	108	79-129
544-10-5	1-Chlorohexane	50	53.0	106	85-137
95-49-8	o-Chlorotoluene	50	57.2	114	77-123
106-43-4	p-Chlorotoluene	50	57.3	115	78-129
110-75-8	2-Chloroethyl vinyl ether	250	254	102	52-142
75-15-0	Carbon disulfide	50	44.2	88	61-142
56-23-5	Carbon tetrachloride	50	50.0	100	79-135
75-34-3	1,1-Dichloroethane	50	53.1	106	77-132
75-35-4	1,1-Dichloroethylene	50	48.8	98	66-132
563-58-6	1,1-Dichloropropene	50	50.0	100	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	35.3	71	67-129
106-93-4	1,2-Dibromoethane	50	43.4	87	77-126
107-06-2	1,2-Dichloroethane	50	43.9	88	78-129
78-87-5	1,2-Dichloropropane	50	48.6	97	74-127
142-28-9	1,3-Dichloropropane	50	42.5	85	78-118
594-20-7	2,2-Dichloropropane	50	46.5	93	80-137
124-48-1	Dibromochloromethane	50	47.7	95	78-117
75-71-8	Dichlorodifluoromethane	50	39.3	79	35-162
156-59-2	cis-1,2-Dichloroethylene	50	50.9	102	74-123
10061-01-5	cis-1,3-Dichloropropene	50	52.2	104	79-130

Blank Spike Summary

Job Number: F61620
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2056-BS	G0054311.D	1	11/21/08	MM	n/a	n/a	VG2056

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61620-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	39.8	80	71-126
541-73-1	m-Dichlorobenzene	50	57.5	115	82-126
95-50-1	o-Dichlorobenzene	50	54.1	108	83-123
106-46-7	p-Dichlorobenzene	50	57.0	114	84-124
156-60-5	trans-1,2-Dichloroethylene	50	50.4	101	77-129
10061-02-6	trans-1,3-Dichloropropene	50	49.1	98	87-131
100-41-4	Ethylbenzene	50	53.3	107	82-124
97-63-2	Ethyl methacrylate	50	39.5	79	78-118
76-13-1	Freon 113	50	42.5	85	62-147
591-78-6	2-Hexanone	250	179	72	67-130
87-68-3	Hexachlorobutadiene	50	ND	0*	77-150
110-54-3	Hexane	50	57.8	116	65-147
99-87-6	p-Isopropyltoluene	50	60.0	120	82-132
108-10-1	4-Methyl-2-pentanone	250	191	76	69-125
126-98-7	Methacrylonitrile	500	350	70	70-138
74-83-9	Methyl bromide	50	55.6	111	60-146
74-87-3	Methyl chloride	50	50.0	100	58-163
74-88-4	Methyl iodide	50	41.9	84	66-128
80-62-6	Methyl methacrylate	50	43.3	87	73-125
74-95-3	Methylene bromide	50	44.7	89	75-128
75-09-2	Methylene chloride	50	51.4	103	62-140
78-93-3	Methyl ethyl ketone	250	151	60*	66-134
1634-04-4	Methyl Tert Butyl Ether	50	36.0	72	70-131
76-01-7	Pentachloroethane	50	ND	0*	64-156
107-12-0	Propionitrile	500	313	63*	73-133
103-65-1	n-Propylbenzene	50	58.7	117	78-129
100-42-5	Styrene	50	53.6	107	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	51.8	104	81-121
71-55-6	1,1,1-Trichloroethane	50	52.3	105	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	44.5	89	70-128
79-00-5	1,1,2-Trichloroethane	50	42.8	86	76-118
87-61-6	1,2,3-Trichlorobenzene	50	48.7	97	78-136
96-18-4	1,2,3-Trichloropropane	50	40.6	81	74-125
120-82-1	1,2,4-Trichlorobenzene	50	53.7	107	82-137
95-63-6	1,2,4-Trimethylbenzene	50	57.9	116	77-129
108-67-8	1,3,5-Trimethylbenzene	50	59.2	118	79-129

Blank Spike Summary

Job Number: F61620
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2056-BS	G0054311.D	1	11/21/08	MM	n/a	n/a	VG2056

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61620-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
127-18-4	Tetrachloroethylene	50	54.7	109	79-132
108-88-3	Toluene	50	52.7	105	80-123
79-01-6	Trichloroethylene	50	51.3	103	78-132
75-69-4	Trichlorofluoromethane	50	42.5	85	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	77.3	155*	74-138
75-01-4	Vinyl chloride	50	42.9	86	60-145
108-05-4	Vinyl Acetate	250	242	97	25-164
	m,p-Xylene	100	109	109	82-128
95-47-6	o-Xylene	50	55.3	111	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	80-121%
2037-26-5	Toluene-D8	94%	71-130%
460-00-4	4-Bromofluorobenzene	102%	59-148%
17060-07-0	1,2-Dichloroethane-D4	89%	77-123%

Blank Spike Summary

Job Number: F61620
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2057-BS	G0054341.D	1	11/24/08	MM	n/a	n/a	VG2057

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61620-2, F61620-3, F61620-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	147	59*	61-144
75-05-8	Acetonitrile	500	345	69	59-139
107-02-8	Acrolein	250	59.2	24*	27-156
107-13-1	Acrylonitrile	250	200	80	55-144
107-05-1	Allyl chloride	50	48.2	96	41-152
71-43-2	Benzene	50	50.0	100	78-130
100-44-7	Benzyl Chloride	50	36.7	73*	74-130
108-86-1	Bromobenzene	50	45.6	91	78-123
74-97-5	Bromochloromethane	50	42.0	84	72-122
75-27-4	Bromodichloromethane	50	46.1	92	73-122
75-25-2	Bromoform	50	40.7	81	70-139
104-51-8	n-Butylbenzene	50	48.6	97	80-138
135-98-8	sec-Butylbenzene	50	47.7	95	82-132
98-06-6	tert-Butylbenzene	50	46.5	93	79-130
108-90-7	Chlorobenzene	50	47.8	96	83-122
75-00-3	Chloroethane	50	55.0	110	61-153
67-66-3	Chloroform	50	51.7	103	79-129
544-10-5	1-Chlorohexane	50	48.7	97	85-137
95-49-8	o-Chlorotoluene	50	46.6	93	77-123
106-43-4	p-Chlorotoluene	50	48.1	96	78-129
110-75-8	2-Chloroethyl vinyl ether	250	607	243*	52-142
75-15-0	Carbon disulfide	50	42.3	85	61-142
56-23-5	Carbon tetrachloride	50	48.1	96	79-135
75-34-3	1,1-Dichloroethane	50	50.4	101	77-132
75-35-4	1,1-Dichloroethylene	50	48.5	97	66-132
563-58-6	1,1-Dichloropropene	50	47.9	96	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	36.5	73	67-129
106-93-4	1,2-Dibromoethane	50	40.6	81	77-126
107-06-2	1,2-Dichloroethane	50	44.1	88	78-129
78-87-5	1,2-Dichloropropane	50	47.5	95	74-127
142-28-9	1,3-Dichloropropane	50	40.3	81	78-118
594-20-7	2,2-Dichloropropane	50	55.2	110	80-137
124-48-1	Dibromochloromethane	50	43.2	86	78-117
75-71-8	Dichlorodifluoromethane	50	41.1	82	35-162
156-59-2	cis-1,2-Dichloroethylene	50	47.0	94	74-123
10061-01-5	cis-1,3-Dichloropropene	50	46.7	93	79-130

Blank Spike Summary

Job Number: F61620
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2057-BS	G0054341.D	1	11/24/08	MM	n/a	n/a	VG2057

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61620-2, F61620-3, F61620-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	38.2	76	71-126
541-73-1	m-Dichlorobenzene	50	49.2	98	82-126
95-50-1	o-Dichlorobenzene	50	46.4	93	83-123
106-46-7	p-Dichlorobenzene	50	47.6	95	84-124
156-60-5	trans-1,2-Dichloroethylene	50	47.4	95	77-129
10061-02-6	trans-1,3-Dichloropropene	50	46.6	93	87-131
100-41-4	Ethylbenzene	50	47.6	95	82-124
97-63-2	Ethyl methacrylate	50	38.7	77*	78-118
76-13-1	Freon 113	50	48.9	98	62-147
591-78-6	2-Hexanone	250	172	69	67-130
87-68-3	Hexachlorobutadiene	50	54.4	109	77-150
110-54-3	Hexane	50	54.0	108	65-147
98-82-8	Isopropylbenzene	50	50.9	102	82-133
99-87-6	p-Isopropyltoluene	50	49.0	98	82-132
108-10-1	4-Methyl-2-pentanone	250	177	71	69-125
126-98-7	Methacrylonitrile	500	356	71	70-138
74-83-9	Methyl bromide	50	51.5	103	60-146
74-87-3	Methyl chloride	50	45.9	92	58-163
74-88-4	Methyl iodide	50	39.9	80	66-128
80-62-6	Methyl methacrylate	50	40.3	81	73-125
74-95-3	Methylene bromide	50	43.1	86	75-128
75-09-2	Methylene chloride	50	52.2	104	62-140
78-93-3	Methyl ethyl ketone	250	145	58*	66-134
1634-04-4	Methyl Tert Butyl Ether	50	42.2	84	70-131
91-20-3	Naphthalene	50	40.2	80	59-143
76-01-7	Pentachloroethane	50	47.4	95	64-156
107-12-0	Propionitrile	500	338	68*	73-133
103-65-1	n-Propylbenzene	50	46.9	94	78-129
100-42-5	Styrene	50	49.2	98	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	47.6	95	81-121
71-55-6	1,1,1-Trichloroethane	50	50.6	101	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	39.5	79	70-128
79-00-5	1,1,2-Trichloroethane	50	40.5	81	76-118
87-61-6	1,2,3-Trichlorobenzene	50	48.9	98	78-136
96-18-4	1,2,3-Trichloropropane	50	33.9	68*	74-125
120-82-1	1,2,4-Trichlorobenzene	50	50.7	101	82-137

Blank Spike Summary

Job Number: F61620
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2057-BS	G0054341.D	1	11/24/08	MM	n/a	n/a	VG2057

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61620-2, F61620-3, F61620-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	48.6	97	77-129
108-67-8	1,3,5-Trimethylbenzene	50	47.9	96	79-129
127-18-4	Tetrachloroethylene	50	48.9	98	79-132
108-88-3	Toluene	50	46.3	93	80-123
79-01-6	Trichloroethylene	50	49.1	98	78-132
75-69-4	Trichlorofluoromethane	50	43.9	88	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	80.1	160*	74-138
75-01-4	Vinyl chloride	50	43.5	87	60-145
108-05-4	Vinyl Acetate	250	247	99	25-164
	m,p-Xylene	100	100	100	82-128
95-47-6	o-Xylene	50	50.4	101	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	105%	80-121%
2037-26-5	Toluene-D8	93%	71-130%
460-00-4	4-Bromofluorobenzene	94%	59-148%
17060-07-0	1,2-Dichloroethane-D4	95%	77-123%

Blank Spike Summary

Job Number: F61620
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VH1958-BS	H052595.D	1	11/25/08	MM	n/a	n/a	VH1958

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61620-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	50.0	100	78-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	80-121%
2037-26-5	Toluene-D8	101%	71-130%
460-00-4	4-Bromofluorobenzene	123%	59-148%
17060-07-0	1,2-Dichloroethane-D4	96%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61620
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61419-2MS	G0054291.D	1	11/20/08	MM	n/a	n/a	VG2055
F61419-2MSD	G0054287.D	1	11/20/08	MM	n/a	n/a	VG2055
F61419-2	G0054285.D	1	11/20/08	MM	n/a	n/a	VG2055

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61620-1, F61620-4

CAS No.	Compound	F61419-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	64 U		299	202	68	157	53*	25	61-144/29
75-05-8	Acetonitrile	64 U		598	462	77	400	67	14	59-139/30
107-02-8	Acrolein	32 U		299	68.8	23*	21.9	7*	103*	27-156/39
107-13-1	Acrylonitrile	32 U		299	306	102	256	86	18	55-144/24
107-05-1	Allyl chloride	32 U		59.8	68.6	115	62.9	105	9	41-152/24
71-43-2	Benzene	6.4 U		59.8	69.9	117	64.2	108	9	78-130/25
100-44-7	Benzyl Chloride	6.4 U		59.8	58.6	98	38.6	65*	41*	74-130/28
108-86-1	Bromobenzene	6.4 U		59.8	74.1	124*	60.5	101	20	78-123/30
74-97-5	Bromochloromethane	6.4 U		59.8	57.6	96	54.0	90	6	72-122/23
75-27-4	Bromodichloromethane	6.4 U		59.8	60.8	102	58.8	98	3	73-122/25
75-25-2	Bromoform	6.4 U		59.8	55.6	93	32.8	55*	52*	70-139/26
104-51-8	n-Butylbenzene	6.4 U		59.8	69.3	116	55.4	93	22	80-138/31
135-98-8	sec-Butylbenzene	6.4 U		59.8	83.7	140*	62.7	105	29	82-132/29
98-06-6	tert-Butylbenzene	6.4 U		59.8	89.2	149*	62.4	105	35*	79-130/29
108-90-7	Chlorobenzene	6.4 U		59.8	64.8	108	59.3	99	9	83-122/23
75-00-3	Chloroethane	6.4 U		59.8	74.7	125	70.7	118	6	61-153/31
67-66-3	Chloroform	6.4 U		59.8	70.3	117	66.8	112	5	79-129/27
544-10-5	1-Chlorohexane	6.4 U		59.8	72.1	121	61.6	103	16	85-137/29
95-49-8	o-Chlorotoluene	6.4 U		59.8	82.1	137*	60.7	102	30	77-123/31
106-43-4	p-Chlorotoluene	6.4 U		59.8	74.3	124	59.1	99	23	78-129/29
110-75-8	2-Chloroethyl vinyl ether	32 U		299	353	118	314	105	12	52-142/25
75-15-0	Carbon disulfide	6.4 U		59.8	61.5	103	56.5	95	8	61-142/27
56-23-5	Carbon tetrachloride	6.4 U		59.8	73.5	123	66.7	112	10	79-135/29
75-34-3	1,1-Dichloroethane	6.4 U		59.8	72.9	122	67.6	113	8	77-132/26
75-35-4	1,1-Dichloroethylene	6.4 U		59.8	72.1	121	65.3	109	10	66-132/27
563-58-6	1,1-Dichloropropene	6.4 U		59.8	67.6	113	62.1	104	8	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	6.4 U		59.8	62.2	104	47.0	79	28	67-129/29
106-93-4	1,2-Dibromoethane	6.4 U		59.8	58.7	98	54.8	92	7	77-126/24
107-06-2	1,2-Dichloroethane	6.4 U		59.8	59.1	99	55.1	92	7	78-129/24
78-87-5	1,2-Dichloropropane	6.4 U		59.8	63.7	106	61.0	102	4	74-127/27
142-28-9	1,3-Dichloropropane	6.4 U		59.8	60.9	102	52.8	88	14	78-118/26
594-20-7	2,2-Dichloropropane	6.4 U		59.8	77.1	129	61.7	103	22	80-137/28
124-48-1	Dibromochloromethane	6.4 U		59.8	61.9	103	57.4	96	8	78-117/27
75-71-8	Dichlorodifluoromethane	6.4 U		59.8	61.0	102	55.2	92	10	35-162/30
156-59-2	cis-1,2-Dichloroethylene	6.4 U		59.8	63.3	106	59.8	100	6	74-123/26
10061-01-5	cis-1,3-Dichloropropene	6.4 U		59.8	60.5	101	58.8	98	3	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61620
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61419-2MS	G0054291.D	1	11/20/08	MM	n/a	n/a	VG2055
F61419-2MSD	G0054287.D	1	11/20/08	MM	n/a	n/a	VG2055
F61419-2	G0054285.D	1	11/20/08	MM	n/a	n/a	VG2055

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61620-1, F61620-4

CAS No.	Compound	F61419-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	32	U	59.8	67.8	113	49.6	83	31*	71-126/28
541-73-1	m-Dichlorobenzene	6.4	U	59.8	66.6	111	57.3	96	15	82-126/29
95-50-1	o-Dichlorobenzene	6.4	U	59.8	65.1	109	57.0	95	13	83-123/28
106-46-7	p-Dichlorobenzene	6.4	U	59.8	64.8	108	56.0	94	15	84-124/28
156-60-5	trans-1,2-Dichloroethylene	6.4	U	59.8	69.1	115	64.6	108	7	77-129/27
10061-02-6	trans-1,3-Dichloropropene	6.4	U	59.8	65.1	109	58.1	97	11	87-131/27
100-41-4	Ethylbenzene	6.4	U	59.8	71.8	120	64.4	108	11	82-124/25
97-63-2	Ethyl methacrylate	32	U	59.8	55.9	93	24.1	40*	80*	78-118/30
76-13-1	Freon 113	6.4	U	59.8	75.2	126	64.3	108	16	62-147/29
591-78-6	2-Hexanone	32	U	299	265	89	211	71	23	67-130/29
87-68-3	Hexachlorobutadiene	6.4	U	59.8	50.4	84	44.8	75*	12	77-150/36
110-54-3	Hexane	6.4	U	59.8	78.7	132	60.8	102	26	65-147/27
98-82-8	Isopropylbenzene	6.4	U	59.8	77.4	129	67.3	113	14	82-133/27
99-87-6	p-Isopropyltoluene	6.4	U	59.8	83.8	140*	62.5	105	29	82-132/29
108-10-1	4-Methyl-2-pentanone	32	U	299	300	100	256	86	16	69-125/24
126-98-7	Methacrylonitrile	32	U	598	519	87	457	77	13	70-138/22
74-83-9	Methyl bromide	6.4	U	59.8	74.9	125	69.3	116	8	60-146/31
74-87-3	Methyl chloride	6.4	U	59.8	64.3	107	60.2	101	7	58-163/26
74-88-4	Methyl iodide	13	U	59.8	57.9	97	52.5	88	10	66-128/27
80-62-6	Methyl methacrylate	32	U	59.8	57.4	96	62.2	104	8	73-125/24
74-95-3	Methylene bromide	6.4	U	59.8	57.6	96	56.1	94	3	75-128/26
75-09-2	Methylene chloride	13	U	59.8	95.8	160*	96.4	161*	1	62-140/25
78-93-3	Methyl ethyl ketone	32	U	299	210	70	165	55*	24*	66-134/23
1634-04-4	Methyl Tert Butyl Ether	6.4	U	59.8	61.9	103	57.9	97	7	70-131/25
91-20-3	Naphthalene	6.4	U	59.8	36.3	61	45.0	75	21	59-143/31
76-01-7	Pentachloroethane	32	U	59.8	91.3	153	54.7	92	50*	64-156/37
107-12-0	Propionitrile	64	U	598	477	80	443	74	7	73-133/23
103-65-1	n-Propylbenzene	6.4	U	59.8	88.1	147*	63.9	107	32*	78-129/29
100-42-5	Styrene	6.4	U	59.8	63.5	106	62.4	105	2	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	6.4	U	59.8	69.4	116	63.5	106	9	81-121/25
71-55-6	1,1,1-Trichloroethane	6.4	U	59.8	74.9	125	69.5	116	7	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	6.4	U	59.8	75.9	127	55.4	93	31*	70-128/30
79-00-5	1,1,2-Trichloroethane	6.4	U	59.8	61.2	102	53.7	90	13	76-118/28
87-61-6	1,2,3-Trichlorobenzene	6.4	U	59.8	39.2	66*	46.2	77*	16	78-136/34
96-18-4	1,2,3-Trichloropropane	6.4	U	59.8	67.7	113	53.3	89	24	74-125/30
120-82-1	1,2,4-Trichlorobenzene	6.4	U	59.8	45.2	76*	48.1	81*	6	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61620
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61419-2MS	G0054291.D	1	11/20/08	MM	n/a	n/a	VG2055
F61419-2MSD	G0054287.D	1	11/20/08	MM	n/a	n/a	VG2055
F61419-2	G0054285.D	1	11/20/08	MM	n/a	n/a	VG2055

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61620-1, F61620-4

CAS No.	Compound	F61419-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	6.4 U		59.8	84.9	142*	62.8	105	30*	77-129/29
108-67-8	1,3,5-Trimethylbenzene	6.4 U		59.8	86.8	145*	64.1	107	30	79-129/31
127-18-4	Tetrachloroethylene	6.4 U		59.8	72.1	121	66.3	111	8	79-132/27
108-88-3	Toluene	6.4 U		59.8	70.5	118	62.5	105	12	80-123/26
79-01-6	Trichloroethylene	6.4 U		59.8	66.8	112	62.6	105	6	78-132/28
75-69-4	Trichlorofluoromethane	6.4 U		59.8	67.0	112	60.1	101	11	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	32 U		59.8	127	212*	92.7	155*	31*	74-138/30
75-01-4	Vinyl chloride	6.4 U		59.8	63.1	105	58.4	98	8	60-145/29
108-05-4	Vinyl Acetate	32 U		299	282	94	48.2	16*	142*	25-164/35
	m,p-Xylene	13 U		120	148	124	129	108	14	82-128/25
95-47-6	o-Xylene	6.4 U		59.8	73.2	122	66.3	111	10	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61419-2	Limits
1868-53-7	Dibromofluoromethane	100%	102%	104%	80-121%
2037-26-5	Toluene-D8	100%	96%	110%	71-130%
460-00-4	4-Bromofluorobenzene	111%	101%	126%	59-148%
17060-07-0	1,2-Dichloroethane-D4	93%	91%	103%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61620
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61417-1MS	G0054318.D	1	11/21/08	MM	n/a	n/a	VG2056
F61417-1MSD	G0054319.D	1	11/21/08	MM	n/a	n/a	VG2056
F61417-1	G0054317.D	1	11/21/08	MM	n/a	n/a	VG2056

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61620-2

CAS No.	Compound	F61417-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	37.7	J	291	156	41*	139	35*	12	61-144/29
75-05-8	Acetonitrile	ND		582	342	59	364	62	6	59-139/30
107-02-8	Acrolein	ND		291	20.4	7*	17.8	6*	14	27-156/39
107-13-1	Acrylonitrile	ND		291	260	89	247	85	5	55-144/24
107-05-1	Allyl chloride	ND		58.2	58.3	100	59.3	102	2	41-152/24
71-43-2	Benzene	ND		58.2	61.6	106	61.8	106	0	78-130/25
100-44-7	Benzyl Chloride	ND		58.2	36.3	62*	32.0	55*	13	74-130/28
108-86-1	Bromobenzene	ND		58.2	60.8	104	60.2	103	1	78-123/30
74-97-5	Bromochloromethane	ND		58.2	50.0	86	51.4	88	3	72-122/23
75-27-4	Bromodichloromethane	ND		58.2	56.8	98	55.2	95	3	73-122/25
75-25-2	Bromoform	ND		58.2	52.8	91	49.0	84	7	70-139/26
104-51-8	n-Butylbenzene	ND		58.2	64.4	111	60.9	104	6	80-138/31
135-98-8	sec-Butylbenzene	ND		58.2	65.6	113	66.2	113	1	82-132/29
98-06-6	tert-Butylbenzene	ND		58.2	66.6	114	65.8	113	1	79-130/29
108-90-7	Chlorobenzene	ND		58.2	59.6	102	60.1	103	1	83-122/23
75-00-3	Chloroethane	ND		58.2	60.7	104	62.9	108	4	61-153/31
67-66-3	Chloroform	ND		58.2	62.8	108	62.2	106	1	79-129/27
544-10-5	1-Chlorohexane	ND		58.2	62.2	107	61.7	106	1	85-137/29
95-49-8	o-Chlorotoluene	ND		58.2	63.8	110	63.8	109	0	77-123/31
106-43-4	p-Chlorotoluene	ND		58.2	63.6	109	63.1	108	1	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		291	313	108	298	102	5	52-142/25
75-15-0	Carbon disulfide	ND		58.2	53.5	92	53.9	92	1	61-142/27
56-23-5	Carbon tetrachloride	ND		58.2	61.7	106	62.5	107	1	79-135/29
75-34-3	1,1-Dichloroethane	ND		58.2	63.5	109	61.5	105	3	77-132/26
75-35-4	1,1-Dichloroethylene	ND		58.2	60.4	104	61.2	105	1	66-132/27
563-58-6	1,1-Dichloropropene	ND		58.2	59.4	102	61.7	106	4	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		58.2	48.7	84	46.4	79	5	67-129/29
106-93-4	1,2-Dibromoethane	ND		58.2	53.7	92	51.2	88	5	77-126/24
107-06-2	1,2-Dichloroethane	ND		58.2	52.9	91	53.0	91	0	78-129/24
78-87-5	1,2-Dichloropropane	ND		58.2	58.2	100	59.5	102	2	74-127/27
142-28-9	1,3-Dichloropropane	ND		58.2	52.4	90	52.8	90	1	78-118/26
594-20-7	2,2-Dichloropropane	ND		58.2	57.7	99	56.5	97	2	80-137/28
124-48-1	Dibromochloromethane	ND		58.2	56.0	96	55.4	95	1	78-117/27
75-71-8	Dichlorodifluoromethane	ND		58.2	50.0	86	50.8	87	2	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		58.2	56.8	98	56.5	97	1	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		58.2	56.6	97	55.9	96	1	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61620
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61417-1MS	G0054318.D	1	11/21/08	MM	n/a	n/a	VG2056
F61417-1MSD	G0054319.D	1	11/21/08	MM	n/a	n/a	VG2056
F61417-1	G0054317.D	1	11/21/08	MM	n/a	n/a	VG2056

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61620-2

CAS No.	Compound	F61417-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		58.2	42.6	73	45.3	78	6	71-126/28
541-73-1	m-Dichlorobenzene	ND		58.2	63.8	110	63.3	108	1	82-126/29
95-50-1	o-Dichlorobenzene	ND		58.2	62.4	107	60.8	104	3	83-123/28
106-46-7	p-Dichlorobenzene	ND		58.2	63.7	109	61.7	106	3	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		58.2	60.5	104	61.2	105	1	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		58.2	56.6	97	56.2	96	1	87-131/27
100-41-4	Ethylbenzene	ND		58.2	61.7	106	61.7	106	0	82-124/25
97-63-2	Ethyl methacrylate	ND		58.2	18.9	32*	18.0	31*	5	78-118/30
76-13-1	Freon 113	ND		58.2	50.2	86	52.7	90	5	62-147/29
591-78-6	2-Hexanone	ND		291	214	74	188	64*	13	67-130/29
87-68-3	Hexachlorobutadiene	ND		58.2	62.6	108	61.2	105	2	77-150/36
110-54-3	Hexane	ND		58.2	62.4	107	61.3	105	2	65-147/27
99-87-6	p-Isopropyltoluene	ND		58.2	66.3	114	65.8	113	1	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		291	253	87	229	78	10	69-125/24
126-98-7	Methacrylonitrile	ND		582	459	79	410	70	11	70-138/22
74-83-9	Methyl bromide	ND		58.2	64.9	112	67.3	115	4	60-146/31
74-87-3	Methyl chloride	ND		58.2	55.2	95	56.7	97	3	58-163/26
74-88-4	Methyl iodide	ND		58.2	47.5	82	48.6	83	2	66-128/27
80-62-6	Methyl methacrylate	ND		58.2	58.3	100	52.4	90	11	73-125/24
74-95-3	Methylene bromide	ND		58.2	54.1	93	53.4	91	1	75-128/26
75-09-2	Methylene chloride	ND		58.2	70.8	122	75.4	129	6	62-140/25
78-93-3	Methyl ethyl ketone	10.0	J	291	159	51*	139	44*	13	66-134/23
1634-04-4	Methyl Tert Butyl Ether	15.1		58.2	54.6	68*	53.6	66*	2	70-131/25
76-01-7	Pentachloroethane	ND		58.2	61.1	105	60.3	103	1	64-156/37
107-12-0	Propionitrile	ND		582	415	71*	379	65*	9	73-133/23
103-65-1	n-Propylbenzene	ND		58.2	66.5	114	66.0	113	1	78-129/29
100-42-5	Styrene	ND		58.2	61.1	105	61.1	105	0	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		58.2	60.3	104	59.1	101	2	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		58.2	62.7	108	64.1	110	2	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		58.2	56.8	98	52.4	90	8	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		58.2	51.6	89	52.6	90	2	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		58.2	60.9	105	59.2	101	3	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		58.2	47.9	82	47.1	81	2	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		58.2	61.8	106	60.0	103	3	82-137/32
95-63-6	1,2,4-Trimethylbenzene	ND		58.2	64.9	112	63.9	109	2	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		58.2	65.7	113	66.8	114	2	79-129/31

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61620
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61417-1MS	G0054318.D	1	11/21/08	MM	n/a	n/a	VG2056
F61417-1MSD	G0054319.D	1	11/21/08	MM	n/a	n/a	VG2056
F61417-1	G0054317.D	1	11/21/08	MM	n/a	n/a	VG2056

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61620-2

CAS No.	Compound	F61417-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
127-18-4	Tetrachloroethylene	ND		58.2	64.4	111	66.1	113	3	79-132/27
108-88-3	Toluene	ND		58.2	59.6	102	61.5	105	3	80-123/26
79-01-6	Trichloroethylene	ND		58.2	59.4	102	61.1	105	3	78-132/28
75-69-4	Trichlorofluoromethane	ND		58.2	53.8	92	55.2	95	3	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		58.2	95.9	165*	86.7	148*	10	74-138/30
75-01-4	Vinyl chloride	ND		58.2	51.3	88	51.0	87	1	60-145/29
108-05-4	Vinyl Acetate	ND		291	44.9	15*	43.9	15*	2	25-164/35
	m,p-Xylene	ND		116	126	108	127	109	1	82-128/25
95-47-6	o-Xylene	ND		58.2	63.9	110	62.8	108	2	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61417-1	Limits
1868-53-7	Dibromofluoromethane	99%	99%	101%	80-121%
2037-26-5	Toluene-D8	99%	98%	90%	71-130%
460-00-4	4-Bromofluorobenzene	102%	102%	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	100%	90%	100%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61620
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61585-2MS	G0054348.D	1	11/24/08	MM	n/a	n/a	VG2057
F61585-2MSD	G0054352.D	1	11/24/08	MM	n/a	n/a	VG2057
F61585-2 [a]	G0054347.D	1	11/24/08	MM	n/a	n/a	VG2057

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61620-2, F61620-3, F61620-4

CAS No.	Compound	F61585-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	56 U		285	136	48*	181	62	28	61-144/29
75-05-8	Acetonitrile	56 U		571	368	64	402	69	9	59-139/30
107-02-8	Acrolein	28 U		285	12.8	4*	49.6	17*	118*	27-156/39
107-13-1	Acrylonitrile	28 U		285	232	81	238	81	3	55-144/24
107-05-1	Allyl chloride	28 U		57.1	52.1	91	59.0	101	12	41-152/24
71-43-2	Benzene	5.6 U		57.1	56.1	98	59.3	101	6	78-130/25
100-44-7	Benzyl Chloride	5.6 U		57.1	43.4	76	58.0	99	29*	74-130/28
108-86-1	Bromobenzene	5.6 U		57.1	60.7	106	66.3	113	9	78-123/30
74-97-5	Bromochloromethane	5.6 U		57.1	47.6	83	47.9	82	1	72-122/23
75-27-4	Bromodichloromethane	5.6 U		57.1	51.5	90	52.1	89	1	73-122/25
75-25-2	Bromoform	5.6 U		57.1	44.6	78	50.8	87	13	70-139/26
104-51-8	n-Butylbenzene	5.6 U		57.1	39.7	70*	42.0	72*	6	80-138/31
135-98-8	sec-Butylbenzene	5.6 U		57.1	48.1	84	51.5	88	7	82-132/29
98-06-6	tert-Butylbenzene	5.6 U		57.1	52.3	92	53.5	91	2	79-130/29
108-90-7	Chlorobenzene	5.6 U		57.1	54.1	95	56.5	97	4	83-122/23
75-00-3	Chloroethane	5.6 U		57.1	59.9	105	60.0	103	0	61-153/31
67-66-3	Chloroform	5.6 U		57.1	58.5	102	59.1	101	1	79-129/27
544-10-5	1-Chlorohexane	5.6 U		57.1	47.5	83*	55.2	94	15	85-137/29
95-49-8	o-Chlorotoluene	5.6 U		57.1	58.0	102	62.2	106	7	77-123/31
106-43-4	p-Chlorotoluene	5.6 U		57.1	59.7	105	63.7	109	6	78-129/29
110-75-8	2-Chloroethyl vinyl ether	28 U		285	828	290*	836	286*	1	52-142/25
75-15-0	Carbon disulfide	5.6 U		57.1	48.3	85	52.6	90	9	61-142/27
56-23-5	Carbon tetrachloride	5.6 U		57.1	56.4	99	61.0	104	8	79-135/29
75-34-3	1,1-Dichloroethane	5.6 U		57.1	58.0	102	61.1	104	5	77-132/26
75-35-4	1,1-Dichloroethylene	2.7	I	57.1	55.7	93	61.6	101	10	66-132/27
563-58-6	1,1-Dichloropropene	5.6 U		57.1	56.0	98	60.4	103	8	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	5.6 U		57.1	52.7	92	49.4	84	6	67-129/29
106-93-4	1,2-Dibromoethane	5.6 U		57.1	48.8	86	52.0	89	6	77-126/24
107-06-2	1,2-Dichloroethane	5.6 U		57.1	50.8	89	51.3	88	1	78-129/24
78-87-5	1,2-Dichloropropane	5.6 U		57.1	53.3	93	54.0	92	1	74-127/27
142-28-9	1,3-Dichloropropane	5.6 U		57.1	48.3	85	50.2	86	4	78-118/26
594-20-7	2,2-Dichloropropane	5.6 U		57.1	57.5	101	68.6	117	18	80-137/28
124-48-1	Dibromochloromethane	5.6 U		57.1	50.5	88	55.0	94	9	78-117/27
75-71-8	Dichlorodifluoromethane	5.6 U		57.1	50.1	88	50.6	86	1	35-162/30
156-59-2	cis-1,2-Dichloroethylene	5.6 U		57.1	53.2	93	55.3	94	4	74-123/26
10061-01-5	cis-1,3-Dichloropropene	5.6 U		57.1	51.8	91	54.4	93	5	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61620
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61585-2MS	G0054348.D	1	11/24/08	MM	n/a	n/a	VG2057
F61585-2MSD	G0054352.D	1	11/24/08	MM	n/a	n/a	VG2057
F61585-2 [a]	G0054347.D	1	11/24/08	MM	n/a	n/a	VG2057

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61620-2, F61620-3, F61620-4

CAS No.	Compound	F61585-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	28	U	57.1	54.4	95	62.3	106	14	71-126/28
541-73-1	m-Dichlorobenzene	5.6	U	57.1	56.7	99	58.4	100	3	82-126/29
95-50-1	o-Dichlorobenzene	5.6	U	57.1	53.4	94	56.5	97	6	83-123/28
106-46-7	p-Dichlorobenzene	5.6	U	57.1	57.1	100	59.4	101	4	84-124/28
156-60-5	trans-1,2-Dichloroethylene	5.6	U	57.1	57.2	100	60.4	103	5	77-129/27
10061-02-6	trans-1,3-Dichloropropene	5.6	U	57.1	54.8	96	59.0	101	7	87-131/27
100-41-4	Ethylbenzene	5.6	U	57.1	53.0	93	57.1	98	7	82-124/25
97-63-2	Ethyl methacrylate	28	U	57.1	21.5	38*	49.7	85	79*	78-118/30
76-13-1	Freon 113	5.6	U	57.1	48.1	84	59.1	101	21	62-147/29
591-78-6	2-Hexanone	28	U	285	187	66*	222	76	17	67-130/29
87-68-3	Hexachlorobutadiene	5.6	U	57.1	21.1	37*	15.6	27*	30	77-150/36
110-54-3	Hexane	5.6	U	57.1	42.4	74	52.0	89	20	65-147/27
98-82-8	Isopropylbenzene	5.6	U	57.1	53.6	94	56.4	96	5	82-133/27
99-87-6	p-Isopropyltoluene	5.6	U	57.1	47.7	84	49.1	84	3	82-132/29
108-10-1	4-Methyl-2-pentanone	28	U	285	225	79	246	84	9	69-125/24
126-98-7	Methacrylonitrile	28	U	571	411	72	430	73	5	70-138/22
74-83-9	Methyl bromide	5.6	U	57.1	59.9	105	60.9	104	2	60-146/31
74-87-3	Methyl chloride	5.6	U	57.1	51.9	91	52.8	90	2	58-163/26
74-88-4	Methyl iodide	11	U	57.1	44.1	77	48.5	83	10	66-128/27
80-62-6	Methyl methacrylate	28	U	57.1	58.2	102	51.5	88	12	73-125/24
74-95-3	Methylene bromide	5.6	U	57.1	49.9	87	51.5	88	3	75-128/26
75-09-2	Methylene chloride	11	U	57.1	92.5	162*	59.3	101	44*	62-140/25
78-93-3	Methyl ethyl ketone	28	U	285	142	50*	177	60*	22	66-134/23
1634-04-4	Methyl Tert Butyl Ether	5.6	U	57.1	50.9	89	51.4	88	1	70-131/25
91-20-3	Naphthalene	5.6	U	57.1	37.0	65	33.5	57*	10	59-143/31
76-01-7	Pentachloroethane	28	U	57.1	56.4	99	65.5	112	15	64-156/37
107-12-0	Propionitrile	56	U	571	387	68*	391	67*	1	73-133/23
103-65-1	n-Propylbenzene	5.6	U	57.1	58.3	102	63.1	108	8	78-129/29
100-42-5	Styrene	5.6	U	57.1	52.3	92	58.1	99	11	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	5.6	U	57.1	53.2	93	56.1	96	5	81-121/25
71-55-6	1,1,1-Trichloroethane	5.6	U	57.1	57.5	101	64.6	110	12	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	5.6	U	57.1	58.1	102	59.5	102	2	70-128/30
79-00-5	1,1,2-Trichloroethane	5.6	U	57.1	47.8	84	50.2	86	5	76-118/28
87-61-6	1,2,3-Trichlorobenzene	5.6	U	57.1	30.7	54*	26.8	46*	14	78-136/34
96-18-4	1,2,3-Trichloropropane	5.6	U	57.1	52.1	91	51.4	88	1	74-125/30
120-82-1	1,2,4-Trichlorobenzene	5.6	U	57.1	31.7	56*	26.7	46*	17	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61620
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61585-2MS	G0054348.D	1	11/24/08	MM	n/a	n/a	VG2057
F61585-2MSD	G0054352.D	1	11/24/08	MM	n/a	n/a	VG2057
F61585-2 [a]	G0054347.D	1	11/24/08	MM	n/a	n/a	VG2057

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61620-2, F61620-3, F61620-4

CAS No.	Compound	F61585-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	5.6 U		57.1	53.2	93	56.6	97	6	77-129/29
108-67-8	1,3,5-Trimethylbenzene	5.6 U		57.1	54.8	96	56.2	96	3	79-129/31
127-18-4	Tetrachloroethylene	5.6 U		57.1	59.5	104	60.5	103	2	79-132/27
108-88-3	Toluene	5.6 U		57.1	53.1	93	60.2	103	13	80-123/26
79-01-6	Trichloroethylene	5.6 U		57.1	55.0	96	58.4	100	6	78-132/28
75-69-4	Trichlorofluoromethane	5.6 U		57.1	49.3	86	54.2	93	9	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	28 U		57.1	109	191*	133	227*	20	74-138/30
75-01-4	Vinyl chloride	5.6 U		57.1	52.2	91	51.9	89	1	60-145/29
108-05-4	Vinyl Acetate	28 U		285	22.6	8*	243	83	166*	25-164/35
	m,p-Xylene	11 U		114	108	95	117	100	8	82-128/25
95-47-6	o-Xylene	5.6 U		57.1	54.1	95	56.9	97	5	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61585-2	Limits
1868-53-7	Dibromofluoromethane	103%	101%	103%	80-121%
2037-26-5	Toluene-D8	96%	103%	95%	71-130%
460-00-4	4-Bromofluorobenzene	111%	116%	115%	59-148%
17060-07-0	1,2-Dichloroethane-D4	96%	94%	96%	77-123%

(a) Soil vials were not preserved within 48 hours of sampling; results are considered minimum values.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61620
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61585-6MS	H052601.D	1	11/25/08	MM	n/a	n/a	VH1958
F61585-6MSD	H052602.D	1	11/25/08	MM	n/a	n/a	VH1958
F61585-6 [a]	H052600.D	1	11/25/08	MM	n/a	n/a	VH1958

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61620-3

CAS No.	Compound	F61585-6 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	5.4	U	61.1	61.6	101	59.6	98	3	78-130/25

CAS No.	Surrogate Recoveries	MS	MSD	F61585-6	Limits
1868-53-7	Dibromofluoromethane	97%	100%	104%	80-121%
2037-26-5	Toluene-D8	96%	119%	88%	71-130%
460-00-4	4-Bromofluorobenzene	101%	101%	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	98%	96%	102%	77-123%

(a) Soil vials were not preserved within 48 hours of sampling; results are considered minimum values.

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61620
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1946-MB	QR044717.D	1	11/20/08	AH	n/a	n/a	GQR1946

The QC reported here applies to the following samples: **Method:** SW846 8015

F61620-1, F61620-2, F61620-3

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	86%	56-136%
98-08-8	aaa-Trifluorotoluene	79%	61-121%

Blank Spike Summary

Job Number: F61620
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1946-BS	QR044716.D	1	11/20/08	AH	n/a	n/a	GQR1946

The QC reported here applies to the following samples: **Method:** SW846 8015

F61620-1, F61620-2, F61620-3

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	18.6	93	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	94%	56-136%
98-08-8	aaa-Trifluorotoluene	101%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61620
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61559-11MS	QR044735.D	1	11/20/08	AH	n/a	n/a	GQR1946
F61559-11MSD	QR044736.D	1	11/20/08	AH	n/a	n/a	GQR1946
F61559-11	QR044731.D	1	11/20/08	AH	n/a	n/a	GQR1946

The QC reported here applies to the following samples: **Method:** SW846 8015

F61620-1, F61620-2, F61620-3

CAS No.	Compound	F61559-11 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		32.9	27.2	83	28.4	86	4	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61559-11	Limits
460-00-4	4-Bromofluorobenzene	110%	107%	92%	56-136%
98-08-8	aaa-Trifluorotoluene	98%	99%	78%	61-121%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61620
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27215-MB	LL23996.D	1	11/21/08	ME	11/21/08	OP27215	GLL901

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61620-1, F61620-2, F61620-3

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	87%	49-108%

Method Blank Summary

Job Number: F61620
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27215-MB	LL24075.D	1	11/25/08	ME	11/21/08	OP27215	GLL903

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61620-1, F61620-2, F61620-3

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	84%	49-108%

Blank Spike Summary

Job Number: F61620
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27215-BS	LL23995.D	1	11/21/08	ME	11/21/08	OP27215	GLL901

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61620-1, F61620-2, F61620-3

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	29.1	87	64-102
	TPH (> C22-C36)	33.3	35.5	107	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	90%	49-108%

Blank Spike Summary

Job Number: F61620
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27215-BS	LL24074.D	1	11/25/08	ME	11/21/08	OP27215	GLL903

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61620-1, F61620-2, F61620-3

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	28.5	86	64-102
	TPH (> C22-C36)	33.3	31.6	95	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	88%	49-108%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61620
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27215-MS	LL24022.D	1	11/22/08	ME	11/21/08	OP27215	GLL901
OP27215-MSD	LL24023.D	1	11/22/08	ME	11/21/08	OP27215	GLL901
F61622-7	LL24009.D	1	11/22/08	ME	11/21/08	OP27215	GLL901

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61620-1, F61620-2, F61620-3

CAS No.	Compound	F61622-7 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		40.1	34.3	86	33.2	83	3	64-102/32
	TPH (> C22-C36)	ND		40.1	37.9	95	42.1	105	11	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F61622-7	Limits
84-15-1	o-Terphenyl	87%	88%	89%	49-108%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/15/08

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F61622

Sampling Dates: 11/17/08 - 11/18/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **87**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Note: This report is password protected to disallow document modification or assembly.
A password to unlock this report is available from your client service representative.

Sections: 1 2 3 4 5 6 7

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F61622-1: SS61-SB02-20 7
3.2: F61622-2: SS61-SB02-26 12
3.3: F61622-3: SS61-SB02-40 17
3.4: F61622-4: SS61-SB03-23 22
3.5: F61622-5: SS61-SB03-27 27
3.6: F61622-6: SS61-SB03-27-a 32
3.7: F61622-7: SS61-SB03-40 37
3.8: F61622-8: TRIP BLANK 42
Section 4: Misc. Forms **45**
4.1: Chain of Custody 46
Section 5: GC/MS Volatiles - QC Data Summaries **48**
5.1: Method Blank Summary 49
5.2: Blank Spike Summary 58
5.3: Matrix Spike/Matrix Spike Duplicate Summary 67
Section 6: GC Volatiles - QC Data Summaries **76**
6.1: Method Blank Summary 77
6.2: Blank Spike Summary 79
6.3: Matrix Spike/Matrix Spike Duplicate Summary 81
Section 7: GC Semi-volatiles - QC Data Summaries **82**
7.1: Method Blank Summary 83
7.2: Blank Spike Summary 85
7.3: Matrix Spike/Matrix Spike Duplicate Summary 87

Sample Summary

North Wind, Inc

Job No: F61622

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F61622-1	11/17/08	14:30	ZB	11/19/08	SO	Soil	SS61-SB02-20
F61622-2	11/17/08	14:55	ZB	11/19/08	SO	Soil	SS61-SB02-26
F61622-3	11/17/08	15:15	ZB	11/19/08	SO	Soil	SS61-SB02-40
F61622-4	11/18/08	08:20	ZB	11/19/08	SO	Soil	SS61-SB03-23
F61622-5	11/18/08	08:30	ZB	11/19/08	SO	Soil	SS61-SB03-27
F61622-6	11/18/08	08:30	ZB	11/19/08	SO	Soil	SS61-SB03-27-a
F61622-7	11/18/08	08:55	ZB	11/19/08	SO	Soil	SS61-SB03-40
F61622-8	11/18/08	08:55	ZB	11/19/08	SO	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F61622

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/9/2008 10:24:21

7 Samples, 1 Trip Blank were collected on between 11/17/2008 and 11/18/2008 and received at Accutest on 11/19/2008 properly preserved, at 2 Deg. C and intact. These Samples received an Accutest job number of F61622. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2058

All samples were analyzed within the recommended method holding time.

Sample(s) F61622-1MS, F61622-1MSD were used as the QC samples indicated.

Sample(s) F61622-1, F61622-2, F61622-3, F61622-4 have compound(s) reported with a “B” qualifier, indicating analyte is found in the associated method blank.

BS/MS/MSD Recovery(s) for Acetone, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene are outside control limits. TDB biased high, not detected in the samples, data integrity not adversely affected. Acetone and MEK data considered minimum values.

MS/MSD Recovery(s) for Isopropylbenzene are outside control limits. Probable cause due to matrix interference.

F61622-1 for Methylene chloride: Suspected laboratory contaminant.

F61622-3 for Methylene chloride: Suspected laboratory contaminant.

F61622-4 for Methylene chloride: Suspected laboratory contaminant.

F61622-2 for Methylene chloride: Suspected laboratory contaminant.

Matrix: SO **Batch ID:** VG2059

All samples were analyzed within the recommended method holding time.

Sample(s) F61622-7MS, F61622-7MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

BS/MS/MSD Recovery(s) for Acetone, Acrolein, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene are outside control limits. TDB biased high, Acetone, Acrolein, Methyl ethyl ketone data are minimum values.

Matrix Spike Recovery(s) for 1,2-Dichloroethane, 2-Hexanone, Allyl chloride, Benzyl Chloride, cis-1,4-Dichloro-2-Butene, Ethyl methacrylate, Methacrylonitrile, Pentachloroethane, Propionitrile, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,2-Dichloroethane, 2-Hexanone, Allyl chloride, Benzyl Chloride, cis-1,4-Dichloro-2-Butene, Ethyl methacrylate, Methacrylonitrile, Pentachloroethane, Propionitrile, Vinyl Acetate are outside control limits. Probable cause due to matrix interference. See Blank Spike.

RPD(s) for MSD for Vinyl Acetate are outside control limits for sample F61622-7MSD. Probable cause due to sample homogeneity.

F61622-7 for Methylene chloride: Suspected laboratory contaminant.

Matrix: SO **Batch ID:** VG2060

All samples were analyzed within the recommended method holding time.

Sample(s) F61590-1MS, F61590-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

BS/MS/MSD Recovery(s) for Acetone, Acrolein, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene are outside control limits.

F61622-6 for Methylene chloride: Suspected laboratory contaminant.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GCD3622

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Matrix: SO **Batch ID:** GCD3624

All samples were analyzed within the recommended method holding time.
All method blanks for this batch meet method specific criteria.
Sample(s) F61660-1MS, F61660-1MSD were used as the QC samples indicated.

Extractables by GC By Method SW846 8015 M

Matrix: SO **Batch ID:** OP27215

All samples were extracted within the recommended method holding time.
All samples were analyzed within the recommended method holding time.
All method blanks for this batch meet method specific criteria.
Sample(s) F61622-7MS, F61622-7MSD were used as the QC samples indicated.
F61622-2 for TPH (C10-C22): Petroleum hydrocarbon pattern begins before C10.

Wet Chemistry By Method SM19 2540B M

Matrix: SO **Batch ID:** GN32892

Sample(s) F61620-1DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: December 09, 2008
Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-SB02-20		
Lab Sample ID:	F61622-1	**Date Sampled:**	11/17/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	79.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054381.D	1	11/25/08	MM	11/19/08 10:40	n/a	VG2058
Run #2							

	Initial Weight
Run #1	6.09 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	51	26	ug/kg	
75-05-8	Acetonitrile	ND	51	16	ug/kg	
107-02-8	Acrolein	ND	26	10	ug/kg	
107-13-1	Acrylonitrile	ND	26	7.1	ug/kg	
107-05-1	Allyl chloride	ND	26	5.1	ug/kg	
71-43-2	Benzene	ND	5.1	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.1	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.1	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.1	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.1	1.2	ug/kg	
75-25-2	Bromoform	ND	5.1	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.1	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.1	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.1	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.1	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.1	2.1	ug/kg	
67-66-3	Chloroform	ND	5.1	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.1	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.1	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.1	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	26	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.1	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.1	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.1	2.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.1	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.1	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.1	2.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.1	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.1	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.1	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.1	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.1	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB02-20		
Lab Sample ID:	F61622-1	**Date Sampled:**	11/17/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	79.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.1	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.1	2.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.1	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.1	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	26	5.1	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.1	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.1	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.1	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.1	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.1	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.1	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	26	5.1	ug/kg	
76-13-1	Freon 113	ND	5.1	2.7	ug/kg	
591-78-6	2-Hexanone	ND	26	5.1	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.1	1.2	ug/kg	
110-54-3	Hexane	ND	5.1	2.5	ug/kg	
98-82-8	Isopropylbenzene	70.9	5.1	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.1	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	26	6.6	ug/kg	
126-98-7	Methacrylonitrile	ND	26	5.7	ug/kg	
74-83-9	Methyl bromide	ND	5.1	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.1	2.5	ug/kg	
74-88-4	Methyl iodide	ND	10	2.1	ug/kg	
80-62-6	Methyl methacrylate	ND	26	5.1	ug/kg	
74-95-3	Methylene bromide	ND	5.1	1.5	ug/kg	
75-09-2	Methylene chloride [a]	10.5	10	5.1	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	26	8.5	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.1	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.1	2.1	ug/kg	
76-01-7	Pentachloroethane	ND	26	5.1	ug/kg	
107-12-0	Propionitrile	ND	51	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.1	1.2	ug/kg	
100-42-5	Styrene	ND	5.1	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.1	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.1	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.1	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.1	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.1	2.1	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.1	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.1	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB02-20		
Lab Sample ID:	F61622-1	**Date Sampled:**	11/17/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	79.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.1	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.1	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.1	1.2	ug/kg	
108-88-3	Toluene	ND	5.1	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.1	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.1	2.1	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	26	5.1	ug/kg	
75-01-4	Vinyl chloride	ND	5.1	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	26	12	ug/kg	
	m,p-Xylene	ND	10	2.0	ug/kg	
95-47-6	o-Xylene	ND	5.1	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-121%
2037-26-5	Toluene-D8	94%		71-130%
460-00-4	4-Bromofluorobenzene	98%		59-148%
17060-07-0	1,2-Dichloroethane-D4	116%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB02-20		
Lab Sample ID:	F61622-1	**Date Sampled:**	11/17/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	79.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086059.D	1	11/28/08	JG	11/19/08 10:40	n/a	GCD3622
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.94 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.5	3.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	84%		56-136%
98-08-8	aaa-Trifluorotoluene	86%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB02-20		
Lab Sample ID:	F61622-1	**Date Sampled:**	11/17/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	79.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24000.D	1	11/21/08	ME	11/21/08	OP27215	GLL901
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.1	mg/kg	
	TPH (> C22-C36)	ND	10	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	81%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB02-26		
Lab Sample ID:	F61622-2	**Date Sampled:**	11/17/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	78.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054384.D	1	11/25/08	MM	11/19/08 11:05	n/a	VG2058
Run #2	G0054406.D	1	11/26/08	MM	11/19/08 11:05	n/a	VG2059

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.06 g		
Run #2	5.37 g	5.0 ml	100 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	63	31	ug/kg	
75-05-8	Acetonitrile	ND	63	20	ug/kg	
107-02-8	Acrolein	ND	31	12	ug/kg	
107-13-1	Acrylonitrile	ND	31	8.7	ug/kg	
107-05-1	Allyl chloride	ND	31	6.3	ug/kg	
71-43-2	Benzene	511 [a]	360	73	ug/kg	
100-44-7	Benzyl Chloride	ND	6.3	1.4	ug/kg	
108-86-1	Bromobenzene	ND	6.3	1.3	ug/kg	
74-97-5	Bromochloromethane	ND	6.3	2.1	ug/kg	
75-27-4	Bromodichloromethane	ND	6.3	1.5	ug/kg	
75-25-2	Bromoform	ND	6.3	1.9	ug/kg	
104-51-8	n-Butylbenzene	ND	6.3	1.8	ug/kg	
135-98-8	sec-Butylbenzene	7.3	6.3	1.4	ug/kg	
98-06-6	tert-Butylbenzene	4.0	6.3	1.4	ug/kg	J
108-90-7	Chlorobenzene	ND	6.3	1.3	ug/kg	
75-00-3	Chloroethane	ND	6.3	2.5	ug/kg	
67-66-3	Chloroform	ND	6.3	2.1	ug/kg	
544-10-5	1-Chlorohexane	ND	6.3	1.6	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.3	1.3	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.3	1.3	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	31	13	ug/kg	
75-15-0	Carbon disulfide	1.5	6.3	1.4	ug/kg	J
56-23-5	Carbon tetrachloride	ND	6.3	1.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.3	2.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.3	1.6	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.3	1.8	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.3	3.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.3	1.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.3	1.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.3	1.8	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.3	1.3	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.3	2.6	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB02-26		
Lab Sample ID:	F61622-2	**Date Sampled:**	11/17/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	78.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	6.3	1.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.3	2.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.3	2.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.3	1.6	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	31	6.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.3	1.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.3	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.3	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.3	1.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.3	1.3	ug/kg	
100-41-4	Ethylbenzene	192	6.3	1.3	ug/kg	
97-63-2	Ethyl methacrylate	ND	31	6.3	ug/kg	
76-13-1	Freon 113	ND	6.3	3.3	ug/kg	
591-78-6	2-Hexanone	ND	31	6.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.3	1.5	ug/kg	
110-54-3	Hexane	ND	6.3	3.0	ug/kg	
98-82-8	Isopropylbenzene	352 [a]	360	80	ug/kg	J
99-87-6	p-Isopropyltoluene	ND	6.3	1.4	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	31	8.1	ug/kg	
126-98-7	Methacrylonitrile	ND	31	6.9	ug/kg	
74-83-9	Methyl bromide	ND	6.3	2.8	ug/kg	
74-87-3	Methyl chloride	ND	6.3	3.0	ug/kg	
74-88-4	Methyl iodide	ND	13	2.5	ug/kg	
80-62-6	Methyl methacrylate	ND	31	6.3	ug/kg	
74-95-3	Methylene bromide	ND	6.3	1.9	ug/kg	
75-09-2	Methylene chloride [b]	9.2	13	6.3	ug/kg	JB
78-93-3	Methyl ethyl ketone	ND	31	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.3	1.9	ug/kg	
91-20-3	Naphthalene	ND	6.3	2.5	ug/kg	
76-01-7	Pentachloroethane	ND	31	6.3	ug/kg	
107-12-0	Propionitrile	ND	63	15	ug/kg	
103-65-1	n-Propylbenzene	17.1	6.3	1.5	ug/kg	
100-42-5	Styrene	ND	6.3	1.3	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.3	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.3	1.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.3	2.3	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.3	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.3	2.5	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.3	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.3	2.5	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB02-26		
Lab Sample ID:	F61622-2	**Date Sampled:**	11/17/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	78.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	7.7	6.3	1.3	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.3	1.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.3	1.5	ug/kg	
108-88-3	Toluene	ND	6.3	1.3	ug/kg	
79-01-6	Trichloroethylene	ND	6.3	1.5	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.3	2.5	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	31	6.3	ug/kg	
75-01-4	Vinyl chloride	ND	6.3	2.5	ug/kg	
108-05-4	Vinyl Acetate	ND	31	15	ug/kg	
	m,p-Xylene	8.4	13	2.4	ug/kg	J
95-47-6	o-Xylene	5.5	6.3	1.3	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%	99%	80-121%
2037-26-5	Toluene-D8	104%	94%	71-130%
460-00-4	4-Bromofluorobenzene	100%	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	109%	108%	77-123%

(a) Result is from Run# 2
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB02-26		
Lab Sample ID:	F61622-2	**Date Sampled:**	11/17/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	78.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086060.D	1	11/28/08	JG	11/19/08 11:05	n/a	GCD3622
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.37 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	9.34	7.3	3.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%		56-136%
98-08-8	aaa-Trifluorotoluene	89%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB02-26		
Lab Sample ID:	F61622-2	**Date Sampled:**	11/17/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	78.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24076.D	1	11/25/08	ME	11/21/08	OP27215	GLL903
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22) [a]	7.43	11	6.3	mg/kg	J
	TPH (> C22-C36)	ND	11	6.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	81%		49-108%

(a) Petroleum hydrocarbon pattern begins before C10.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB02-40		
Lab Sample ID:	F61622-3	**Date Sampled:**	11/17/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054385.D	1	11/25/08	MM	11/19/08 11:05	n/a	VG2058
Run #2							

	Initial Weight
Run #1	5.53 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	56	28	ug/kg	
75-05-8	Acetonitrile	ND	56	18	ug/kg	
107-02-8	Acrolein	ND	28	11	ug/kg	
107-13-1	Acrylonitrile	ND	28	7.7	ug/kg	
107-05-1	Allyl chloride	ND	28	5.6	ug/kg	
71-43-2	Benzene	165	5.6	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.6	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.6	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.6	1.9	ug/kg	
75-27-4	Bromodichloromethane	ND	5.6	1.3	ug/kg	
75-25-2	Bromoform	ND	5.6	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	5.6	1.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.6	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.6	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.6	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.6	2.2	ug/kg	
67-66-3	Chloroform	ND	5.6	1.9	ug/kg	
544-10-5	1-Chlorohexane	ND	5.6	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.6	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.6	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	28	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.6	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.6	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.6	2.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.6	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.6	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.6	2.7	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.6	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	14.6	5.6	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.6	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.6	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.6	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB02-40		
Lab Sample ID:	F61622-3	**Date Sampled:**	11/17/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.6	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.6	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.6	1.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.6	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	28	5.6	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.6	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.6	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.6	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.6	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.6	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.6	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	28	5.6	ug/kg	
76-13-1	Freon 113	ND	5.6	2.9	ug/kg	
591-78-6	2-Hexanone	ND	28	5.6	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.6	1.3	ug/kg	
110-54-3	Hexane	ND	5.6	2.7	ug/kg	
98-82-8	Isopropylbenzene	16.0	5.6	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.6	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	28	7.1	ug/kg	
126-98-7	Methacrylonitrile	ND	28	6.1	ug/kg	
74-83-9	Methyl bromide	ND	5.6	2.5	ug/kg	
74-87-3	Methyl chloride	ND	5.6	2.7	ug/kg	
74-88-4	Methyl iodide	ND	11	2.2	ug/kg	
80-62-6	Methyl methacrylate	ND	28	5.6	ug/kg	
74-95-3	Methylene bromide	ND	5.6	1.7	ug/kg	
75-09-2	Methylene chloride [a]	12.3	11	5.6	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	28	9.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.6	1.7	ug/kg	
91-20-3	Naphthalene	ND	5.6	2.2	ug/kg	
76-01-7	Pentachloroethane	ND	28	5.6	ug/kg	
107-12-0	Propionitrile	ND	56	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.6	1.3	ug/kg	
100-42-5	Styrene	ND	5.6	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.6	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.6	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.6	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.6	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.6	2.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.6	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB02-40		
Lab Sample ID:	F61622-3	**Date Sampled:**	11/17/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.6	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.6	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.6	1.3	ug/kg	
108-88-3	Toluene	ND	5.6	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.6	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.6	2.2	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	28	5.6	ug/kg	
75-01-4	Vinyl chloride	ND	5.6	2.2	ug/kg	
108-05-4	Vinyl Acetate	ND	28	13	ug/kg	
	m,p-Xylene	ND	11	2.1	ug/kg	
95-47-6	o-Xylene	ND	5.6	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-121%
2037-26-5	Toluene-D8	94%		71-130%
460-00-4	4-Bromofluorobenzene	98%		59-148%
17060-07-0	1,2-Dichloroethane-D4	106%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB02-40		
Lab Sample ID:	F61622-3	**Date Sampled:**	11/17/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	81.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086061.D	1	11/28/08	JG	11/19/08 11:05	n/a	GCD3622
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.36 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.9	3.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	85%		56-136%
98-08-8	aaa-Trifluorotoluene	87%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB02-40		
Lab Sample ID:	F61622-3	**Date Sampled:**	11/17/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	81.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24002.D	1	11/21/08	ME	11/21/08	OP27215	GLL901
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.0	mg/kg	
	TPH (> C22-C36)	ND	10	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	89%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB03-23		
Lab Sample ID:	F61622-4	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054386.D	1	11/25/08	MM	11/19/08 11:05	n/a	VG2058
Run #2							

	Initial Weight
Run #1	5.68 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	54	27	ug/kg	
75-05-8	Acetonitrile	ND	54	17	ug/kg	
107-02-8	Acrolein	ND	27	11	ug/kg	
107-13-1	Acrylonitrile	ND	27	7.4	ug/kg	
107-05-1	Allyl chloride	ND	27	5.4	ug/kg	
71-43-2	Benzene	ND	5.4	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.4	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.4	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.4	1.8	ug/kg	
75-27-4	Bromodichloromethane	ND	5.4	1.3	ug/kg	
75-25-2	Bromoform	ND	5.4	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	5.4	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.4	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.4	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.4	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.4	2.1	ug/kg	
67-66-3	Chloroform	ND	5.4	1.8	ug/kg	
544-10-5	1-Chlorohexane	ND	5.4	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.4	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.4	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	27	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.4	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.4	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.4	2.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.4	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.4	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.4	2.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.4	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.4	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.4	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.4	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.4	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB03-23		
Lab Sample ID:	F61622-4	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.4	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.4	2.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.4	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.4	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	27	5.4	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.4	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.4	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.4	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.4	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.4	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.4	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	27	5.4	ug/kg	
76-13-1	Freon 113	ND	5.4	2.8	ug/kg	
591-78-6	2-Hexanone	ND	27	5.4	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.4	1.3	ug/kg	
110-54-3	Hexane	ND	5.4	2.6	ug/kg	
98-82-8	Isopropylbenzene	4.8	5.4	1.2	ug/kg	J
99-87-6	p-Isopropyltoluene	ND	5.4	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	27	6.9	ug/kg	
126-98-7	Methacrylonitrile	ND	27	5.9	ug/kg	
74-83-9	Methyl bromide	ND	5.4	2.4	ug/kg	
74-87-3	Methyl chloride	ND	5.4	2.6	ug/kg	
74-88-4	Methyl iodide	ND	11	2.1	ug/kg	
80-62-6	Methyl methacrylate	ND	27	5.4	ug/kg	
74-95-3	Methylene bromide	ND	5.4	1.6	ug/kg	
75-09-2	Methylene chloride [a]	10.9	11	5.4	ug/kg	JB
78-93-3	Methyl ethyl ketone	ND	27	8.9	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.4	1.6	ug/kg	
91-20-3	Naphthalene	ND	5.4	2.1	ug/kg	
76-01-7	Pentachloroethane	ND	27	5.4	ug/kg	
107-12-0	Propionitrile	ND	54	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.4	1.3	ug/kg	
100-42-5	Styrene	ND	5.4	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.4	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.4	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.4	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.4	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.4	2.1	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.4	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.4	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB03-23		
Lab Sample ID:	F61622-4	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.4	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.4	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.4	1.3	ug/kg	
108-88-3	Toluene	ND	5.4	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.4	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.4	2.1	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	27	5.4	ug/kg	
75-01-4	Vinyl chloride	ND	5.4	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	27	13	ug/kg	
	m,p-Xylene	ND	11	2.0	ug/kg	
95-47-6	o-Xylene	ND	5.4	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-121%
2037-26-5	Toluene-D8	98%		71-130%
460-00-4	4-Bromofluorobenzene	97%		59-148%
17060-07-0	1,2-Dichloroethane-D4	107%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB03-23		
Lab Sample ID:	F61622-4	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	81.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086062.D	1	11/28/08	JG	11/19/08 11:05	n/a	GCD3622
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.91 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.3	3.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	87%		56-136%
98-08-8	aaa-Trifluorotoluene	86%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB03-23		
Lab Sample ID:	F61622-4	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	81.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24006.D	1	11/22/08	ME	11/21/08	OP27215	GLL901
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.0	mg/kg	
	TPH (> C22-C36)	ND	10	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB03-27		
Lab Sample ID:	F61622-5	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	77.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054387.D	1	11/25/08	MM	11/19/08 11:05	n/a	VG2058
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.81 g	5.0 ml	10.0 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	35000	18000	ug/kg	
75-05-8	Acetonitrile	ND	35000	11000	ug/kg	
107-02-8	Acrolein	ND	18000	6900	ug/kg	
107-13-1	Acrylonitrile	ND	18000	4800	ug/kg	
107-05-1	Allyl chloride	ND	18000	3500	ug/kg	
71-43-2	Benzene	7870	3500	700	ug/kg	
100-44-7	Benzyl Chloride	ND	3500	770	ug/kg	
108-86-1	Bromobenzene	ND	3500	700	ug/kg	
74-97-5	Bromochloromethane	ND	3500	1200	ug/kg	
75-27-4	Bromodichloromethane	ND	3500	840	ug/kg	
75-25-2	Bromoform	ND	3500	1100	ug/kg	
104-51-8	n-Butylbenzene	ND	3500	980	ug/kg	
135-98-8	sec-Butylbenzene	1060	3500	770	ug/kg	J
98-06-6	tert-Butylbenzene	ND	3500	770	ug/kg	
108-90-7	Chlorobenzene	ND	3500	700	ug/kg	
75-00-3	Chloroethane	ND	3500	1400	ug/kg	
67-66-3	Chloroform	ND	3500	1200	ug/kg	
544-10-5	1-Chlorohexane	ND	3500	910	ug/kg	
95-49-8	o-Chlorotoluene	ND	3500	700	ug/kg	
106-43-4	p-Chlorotoluene	ND	3500	700	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	18000	7000	ug/kg	
75-15-0	Carbon disulfide	ND	3500	770	ug/kg	
56-23-5	Carbon tetrachloride	ND	3500	980	ug/kg	
75-34-3	1,1-Dichloroethane	ND	3500	1400	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	3500	910	ug/kg	
563-58-6	1,1-Dichloropropene	ND	3500	980	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	3500	1700	ug/kg	
106-93-4	1,2-Dibromoethane	ND	3500	700	ug/kg	
107-06-2	1,2-Dichloroethane	ND	3500	770	ug/kg	
78-87-5	1,2-Dichloropropane	ND	3500	980	ug/kg	
142-28-9	1,3-Dichloropropane	ND	3500	700	ug/kg	
594-20-7	2,2-Dichloropropane	ND	3500	1500	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB03-27		
Lab Sample ID:	F61622-5	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	77.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	3500	700	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	3500	1400	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	3500	1100	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3500	910	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	18000	3500	ug/kg	
541-73-1	m-Dichlorobenzene	ND	3500	700	ug/kg	
95-50-1	o-Dichlorobenzene	ND	3500	700	ug/kg	
106-46-7	p-Dichlorobenzene	ND	3500	700	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	3500	840	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3500	700	ug/kg	
100-41-4	Ethylbenzene	ND	3500	700	ug/kg	
97-63-2	Ethyl methacrylate	ND	18000	3500	ug/kg	
76-13-1	Freon 113	ND	3500	1800	ug/kg	
591-78-6	2-Hexanone	ND	18000	3500	ug/kg	
87-68-3	Hexachlorobutadiene	ND	3500	840	ug/kg	
110-54-3	Hexane	ND	3500	1700	ug/kg	
98-82-8	Isopropylbenzene	64000	3500	770	ug/kg	
99-87-6	p-Isopropyltoluene	ND	3500	770	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	18000	4500	ug/kg	
126-98-7	Methacrylonitrile	ND	18000	3900	ug/kg	
74-83-9	Methyl bromide	ND	3500	1500	ug/kg	
74-87-3	Methyl chloride	ND	3500	1700	ug/kg	
74-88-4	Methyl iodide	ND	7000	1400	ug/kg	
80-62-6	Methyl methacrylate	ND	18000	3500	ug/kg	
74-95-3	Methylene bromide	ND	3500	1100	ug/kg	
75-09-2	Methylene chloride	ND	7000	3500	ug/kg	
78-93-3	Methyl ethyl ketone	ND	18000	5800	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	3500	1100	ug/kg	
91-20-3	Naphthalene	ND	3500	1400	ug/kg	
76-01-7	Pentachloroethane	ND	18000	3500	ug/kg	
107-12-0	Propionitrile	ND	35000	8400	ug/kg	
103-65-1	n-Propylbenzene	2400	3500	840	ug/kg	J
100-42-5	Styrene	ND	3500	700	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	3500	700	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	3500	770	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3500	1300	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	3500	700	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	3500	1400	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	3500	1300	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	3500	1400	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB03-27		
Lab Sample ID:	F61622-5	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	77.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	3500	700	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	3500	700	ug/kg	
127-18-4	Tetrachloroethylene	ND	3500	840	ug/kg	
108-88-3	Toluene	ND	3500	700	ug/kg	
79-01-6	Trichloroethylene	ND	3500	840	ug/kg	
75-69-4	Trichlorofluoromethane	ND	3500	1400	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	18000	3500	ug/kg	
75-01-4	Vinyl chloride	ND	3500	1400	ug/kg	
108-05-4	Vinyl Acetate	ND	18000	8400	ug/kg	
	m,p-Xylene	ND	7000	1300	ug/kg	
95-47-6	o-Xylene	ND	3500	700	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-121%
2037-26-5	Toluene-D8	100%		71-130%
460-00-4	4-Bromofluorobenzene	93%		59-148%
17060-07-0	1,2-Dichloroethane-D4	110%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB03-27		
Lab Sample ID:	F61622-5	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	77.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086119.D	1	12/01/08	JG	11/19/08 11:05	n/a	GCD3624
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.81 g	5.0 ml	2.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1540	350	180	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%		56-136%
98-08-8	aaa-Trifluorotoluene	106%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB03-27		
Lab Sample ID:	F61622-5	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	77.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24077.D	1	11/25/08	ME	11/21/08	OP27215	GLL903
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	11	6.4	mg/kg	
	TPH (> C22-C36)	ND	11	6.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB03-27-a		
Lab Sample ID:	F61622-6	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	75.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054434.D	1	11/28/08	MM	11/19/08 11:05	n/a	VG2060
Run #2	G0054388.D	1	11/25/08	MM	11/19/08 11:05	n/a	VG2058

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.76 g	5.0 ml	50.0 ul
Run #2	5.76 g	5.0 ml	10.0 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	7300	3700	ug/kg	
75-05-8	Acetonitrile	ND	7300	2300	ug/kg	
107-02-8	Acrolein	ND	3700	1400	ug/kg	
107-13-1	Acrylonitrile	ND	3700	1000	ug/kg	
107-05-1	Allyl chloride	ND	3700	730	ug/kg	
71-43-2	Benzene	4330	730	150	ug/kg	
100-44-7	Benzyl Chloride	ND	730	160	ug/kg	
108-86-1	Bromobenzene	ND	730	150	ug/kg	
74-97-5	Bromochloromethane	ND	730	250	ug/kg	
75-27-4	Bromodichloromethane	ND	730	180	ug/kg	
75-25-2	Bromoform	ND	730	220	ug/kg	
104-51-8	n-Butylbenzene	ND	730	210	ug/kg	
135-98-8	sec-Butylbenzene	556	730	160	ug/kg	J
98-06-6	tert-Butylbenzene	278	730	160	ug/kg	J
108-90-7	Chlorobenzene	ND	730	150	ug/kg	
75-00-3	Chloroethane	ND	730	290	ug/kg	
67-66-3	Chloroform	ND	730	250	ug/kg	
544-10-5	1-Chlorohexane	ND	730	190	ug/kg	
95-49-8	o-Chlorotoluene	ND	730	150	ug/kg	
106-43-4	p-Chlorotoluene	ND	730	150	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	3700	1500	ug/kg	
75-15-0	Carbon disulfide	ND	730	160	ug/kg	
56-23-5	Carbon tetrachloride	ND	730	210	ug/kg	
75-34-3	1,1-Dichloroethane	ND	730	290	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	730	190	ug/kg	
563-58-6	1,1-Dichloropropene	ND	730	210	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	730	350	ug/kg	
106-93-4	1,2-Dibromoethane	ND	730	150	ug/kg	
107-06-2	1,2-Dichloroethane	ND	730	160	ug/kg	
78-87-5	1,2-Dichloropropane	ND	730	210	ug/kg	
142-28-9	1,3-Dichloropropane	ND	730	150	ug/kg	
594-20-7	2,2-Dichloropropane	ND	730	310	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB03-27-a		
Lab Sample ID:	F61622-6	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	75.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	730	150	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	730	290	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	730	230	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	730	190	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	3700	730	ug/kg	
541-73-1	m-Dichlorobenzene	ND	730	150	ug/kg	
95-50-1	o-Dichlorobenzene	ND	730	150	ug/kg	
106-46-7	p-Dichlorobenzene	ND	730	150	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	730	180	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	730	150	ug/kg	
100-41-4	Ethylbenzene	9000	730	150	ug/kg	
97-63-2	Ethyl methacrylate	ND	3700	730	ug/kg	
76-13-1	Freon 113	ND	730	380	ug/kg	
591-78-6	2-Hexanone	ND	3700	730	ug/kg	
87-68-3	Hexachlorobutadiene	ND	730	180	ug/kg	
110-54-3	Hexane	ND	730	350	ug/kg	
98-82-8	Isopropylbenzene	39600 [a]	3700	810	ug/kg	
99-87-6	p-Isopropyltoluene	ND	730	160	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	3700	940	ug/kg	
126-98-7	Methacrylonitrile	ND	3700	810	ug/kg	
74-83-9	Methyl bromide	ND	730	320	ug/kg	
74-87-3	Methyl chloride	ND	730	350	ug/kg	
74-88-4	Methyl iodide	ND	1500	290	ug/kg	
80-62-6	Methyl methacrylate	ND	3700	730	ug/kg	
74-95-3	Methylene bromide	ND	730	220	ug/kg	
75-09-2	Methylene chloride [b]	779	1500	730	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	3700	1200	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	730	220	ug/kg	
91-20-3	Naphthalene	ND	730	290	ug/kg	
76-01-7	Pentachloroethane	ND	3700	730	ug/kg	
107-12-0	Propionitrile	ND	7300	1800	ug/kg	
103-65-1	n-Propylbenzene	1410	730	180	ug/kg	
100-42-5	Styrene	ND	730	150	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	730	150	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	730	160	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	730	260	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	730	150	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	730	290	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	730	280	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	730	290	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB03-27-a		
Lab Sample ID:	F61622-6	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	75.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	730	150	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	730	150	ug/kg	
127-18-4	Tetrachloroethylene	ND	730	180	ug/kg	
108-88-3	Toluene	ND	730	150	ug/kg	
79-01-6	Trichloroethylene	ND	730	180	ug/kg	
75-69-4	Trichlorofluoromethane	ND	730	290	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	3700	730	ug/kg	
75-01-4	Vinyl chloride	ND	730	290	ug/kg	
108-05-4	Vinyl Acetate	ND	3700	1800	ug/kg	
	m,p-Xylene	386	1500	280	ug/kg	J
95-47-6	o-Xylene	157	730	150	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%	102%	80-121%
2037-26-5	Toluene-D8	95%	94%	71-130%
460-00-4	4-Bromofluorobenzene	95%	96%	59-148%
17060-07-0	1,2-Dichloroethane-D4	114%	110%	77-123%

(a) Result is from Run# 2
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB03-27-a		
Lab Sample ID:	F61622-6	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	75.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086120.D	1	12/01/08	JG	11/19/08 11:05	n/a	GCD3624
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.76 g	5.0 ml	1.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1170	730	370	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	102%		56-136%
98-08-8	aaa-Trifluorotoluene	94%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB03-27-a		
Lab Sample ID:	F61622-6	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	75.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24078.D	1	11/25/08	ME	11/21/08	OP27215	GLL903
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	11	6.5	mg/kg	
	TPH (> C22-C36)	ND	11	6.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	78%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB03-40		
Lab Sample ID:	F61622-7	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054407.D	1	11/26/08	MM	11/19/08 11:05	n/a	VG2059
Run #2							

	Initial Weight
Run #1	6.31 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	48	24	ug/kg	
75-05-8	Acetonitrile	ND	48	15	ug/kg	
107-02-8	Acrolein	ND	24	9.4	ug/kg	
107-13-1	Acrylonitrile	ND	24	6.6	ug/kg	
107-05-1	Allyl chloride	ND	24	4.8	ug/kg	
71-43-2	Benzene	ND	4.8	0.96	ug/kg	
100-44-7	Benzyl Chloride	ND	4.8	1.1	ug/kg	
108-86-1	Bromobenzene	ND	4.8	0.96	ug/kg	
74-97-5	Bromochloromethane	ND	4.8	1.6	ug/kg	
75-27-4	Bromodichloromethane	ND	4.8	1.2	ug/kg	
75-25-2	Bromoform	ND	4.8	1.4	ug/kg	
104-51-8	n-Butylbenzene	ND	4.8	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	4.8	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	4.8	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	4.8	0.96	ug/kg	
75-00-3	Chloroethane	ND	4.8	1.9	ug/kg	
67-66-3	Chloroform	ND	4.8	1.6	ug/kg	
544-10-5	1-Chlorohexane	ND	4.8	1.2	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.8	0.96	ug/kg	
106-43-4	p-Chlorotoluene	ND	4.8	0.96	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	24	9.6	ug/kg	
75-15-0	Carbon disulfide	ND	4.8	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.8	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.8	1.9	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.8	1.2	ug/kg	
563-58-6	1,1-Dichloropropene	ND	4.8	1.3	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.8	2.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4.8	0.96	ug/kg	
107-06-2	1,2-Dichloroethane	15.9	4.8	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.8	1.3	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4.8	0.96	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4.8	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB03-40		
Lab Sample ID:	F61622-7	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	4.8	0.96	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.8	1.9	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.8	1.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.8	1.2	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	24	4.8	ug/kg	
541-73-1	m-Dichlorobenzene	ND	4.8	0.96	ug/kg	
95-50-1	o-Dichlorobenzene	ND	4.8	0.96	ug/kg	
106-46-7	p-Dichlorobenzene	ND	4.8	0.96	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	4.8	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.8	0.96	ug/kg	
100-41-4	Ethylbenzene	ND	4.8	0.96	ug/kg	
97-63-2	Ethyl methacrylate	ND	24	4.8	ug/kg	
76-13-1	Freon 113	ND	4.8	2.5	ug/kg	
591-78-6	2-Hexanone	ND	24	4.8	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.8	1.2	ug/kg	
110-54-3	Hexane	ND	4.8	2.3	ug/kg	
98-82-8	Isopropylbenzene	ND	4.8	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	4.8	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	24	6.1	ug/kg	
126-98-7	Methacrylonitrile	ND	24	5.3	ug/kg	
74-83-9	Methyl bromide	ND	4.8	2.1	ug/kg	
74-87-3	Methyl chloride	ND	4.8	2.3	ug/kg	
74-88-4	Methyl iodide	ND	9.6	1.9	ug/kg	
80-62-6	Methyl methacrylate	ND	24	4.8	ug/kg	
74-95-3	Methylene bromide	ND	4.8	1.4	ug/kg	
75-09-2	Methylene chloride [a]	5.3	9.6	4.8	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	24	8.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.8	1.4	ug/kg	
91-20-3	Naphthalene	ND	4.8	1.9	ug/kg	
76-01-7	Pentachloroethane	ND	24	4.8	ug/kg	
107-12-0	Propionitrile	ND	48	12	ug/kg	
103-65-1	n-Propylbenzene	ND	4.8	1.2	ug/kg	
100-42-5	Styrene	ND	4.8	0.96	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.8	0.96	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.8	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.8	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.8	0.96	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.8	1.9	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.8	1.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	1.9	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB03-40		
Lab Sample ID:	F61622-7	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	4.8	0.96	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.8	0.96	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.8	1.2	ug/kg	
108-88-3	Toluene	ND	4.8	0.96	ug/kg	
79-01-6	Trichloroethylene	ND	4.8	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.8	1.9	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	24	4.8	ug/kg	
75-01-4	Vinyl chloride	ND	4.8	1.9	ug/kg	
108-05-4	Vinyl Acetate	ND	24	12	ug/kg	
	m,p-Xylene	ND	9.6	1.8	ug/kg	
95-47-6	o-Xylene	ND	4.8	0.96	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-121%
2037-26-5	Toluene-D8	94%		71-130%
460-00-4	4-Bromofluorobenzene	97%		59-148%
17060-07-0	1,2-Dichloroethane-D4	114%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB03-40		
Lab Sample ID:	F61622-7	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	82.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086065.D	1	11/28/08	JG	11/19/08 11:05	n/a	GCD3622
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.35 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.8	2.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	85%		56-136%
98-08-8	aaa-Trifluorotoluene	86%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB03-40		
Lab Sample ID:	F61622-7	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/19/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	82.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24009.D	1	11/22/08	ME	11/21/08	OP27215	GLL901
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.9	5.9	mg/kg	
	TPH (> C22-C36)	ND	9.9	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	89%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TRIP BLANK
Lab Sample ID: F61622-8
Matrix: SO - Trip Blank Soil
Method: SW846 8260B
Project: Holloman AFB; SS61 (Spill Site 61)

Date Sampled: 11/18/08
Date Received: 11/19/08
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054390.D	1	11/25/08	MM	n/a	n/a	VG2058
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61622-8	**Date Sampled:**	11/18/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/19/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61622-8	**Date Sampled:**	11/18/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/19/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-121%
2037-26-5	Toluene-D8	93%		71-130%
460-00-4	4-Bromofluorobenzene	101%		59-148%
17060-07-0	1,2-Dichloroethane-D4	108%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

F61622

Page 1 of 1

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number [1]: 11-18-2008-03

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Zack Beck / Greg Kinsman

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)					Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
1	SS61-SB02-20	SS61-SB02	17-Nov-2008	1430	18 - 20	N	01	SO	5	X	X	X									3
2	SS61-SB02-26	SS61-SB02	17-Nov-2008	1455	24 - 26	N	01	SO	5	X	X	X									3
3	SS61-SB02-40	SS61-SB02	17-Nov-2008	1515	38 - 40	N	01	SO	5	X	X	X									3
4	SS61-SB03-23	SS61-SB03	18-Nov-2008	0820	21 - 23	N	01	SO	5	X	X	X									3
5	SS61-SB03-27	SS61-SB03	18-Nov-2008	0830	25 - 27	N	01	SO	5	X	X	X									3
6	SS61-SB03-27-9	SS61-SB03	18-Nov-2008	0830	25 - 27	N	01	SO	5	X	X	X									3
7	SS61-SB03-40	SS61-SB03	18-Nov-2008	0855	38 - 40	N	01	SO	5	X	X	X									3
8	Trip Blank				-	TB		WQ	3												3
					-																
					-																
					-																

Sample Analysis Requested [5] | Quality Assurance Samples [6]

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time		Received by (signed)	Date	Time
1.		11/18/08	1400	1.			
2.				2.		11/19/08	9:00
3.				3.			

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: _____ Shipped No.: _____

Method of Shipment: _____ Airbill Number: _____

Analytical Lab: Accutest Laboratories Delivery Location: _____

Lab Recipient: _____ Delivery Date/Time: _____

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

7.0

F61622: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61622 CLIENT: BHATE PROJECT: SS-61

DATE/TIME RECEIVED: 11/19/08 9:30 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.0

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8651 5824 0360

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [X] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 28

NUMBER OF 5035 FIELD KITS ? TB

NUMBER OF LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE CL R 11/19/08 TECHNICIAN SIGNATURE/DATE JC 11-19-08 ASBD 12/17/07

4.1 4

F61622: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61622
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2058-MB	G0054379.D	1	11/25/08	MM	n/a	n/a	VG2058

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61622-1, F61622-2, F61622-3, F61622-4, F61622-5, F61622-6, F61622-8

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61622
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2058-MB	G0054379.D	1	11/25/08	MM	n/a	n/a	VG2058

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61622-1, F61622-2, F61622-3, F61622-4, F61622-5, F61622-6, F61622-8

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	8.9	10	5.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F61622
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2058-MB	G0054379.D	1	11/25/08	MM	n/a	n/a	VG2058

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61622-1, F61622-2, F61622-3, F61622-4, F61622-5, F61622-6, F61622-8

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	98%	80-121%
2037-26-5	Toluene-D8	99%	71-130%
460-00-4	4-Bromofluorobenzene	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	106%	77-123%

Method Blank Summary

Job Number: F61622
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2059-MB	G0054404.D	1	11/26/08	MM	n/a	n/a	VG2059

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61622-2, F61622-7

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61622
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2059-MB	G0054404.D	1	11/26/08	MM	n/a	n/a	VG2059

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61622-2, F61622-7

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F61622
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2059-MB	G0054404.D	1	11/26/08	MM	n/a	n/a	VG2059

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61622-2, F61622-7

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	80-121%
2037-26-5	Toluene-D8	93%	71-130%
460-00-4	4-Bromofluorobenzene	96%	59-148%
17060-07-0	1,2-Dichloroethane-D4	109%	77-123%

Method Blank Summary

Job Number: F61622
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2060-MB	G0054433.D	1	11/28/08	MM	n/a	n/a	VG2060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61622-6

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61622
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2060-MB	G0054433.D	1	11/28/08	MM	n/a	n/a	VG2060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61622-6

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	

Method Blank Summary

Job Number: F61622
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2060-MB	G0054433.D	1	11/28/08	MM	n/a	n/a	VG2060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61622-6

CAS No.	Compound	Result	RL	MDL	Units	Q
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	104%	80-121%
2037-26-5	Toluene-D8	96%	71-130%
460-00-4	4-Bromofluorobenzene	101%	59-148%
17060-07-0	1,2-Dichloroethane-D4	114%	77-123%

Blank Spike Summary

Job Number: F61622
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2058-BS	G0054378.D	1	11/25/08	MM	n/a	n/a	VG2058

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61622-1, F61622-2, F61622-3, F61622-4, F61622-5, F61622-6, F61622-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	131	52*	61-144
75-05-8	Acetonitrile	500	372	74	59-139
107-02-8	Acrolein	250	85.1	34	27-156
107-13-1	Acrylonitrile	250	190	76	55-144
107-05-1	Allyl chloride	50	65.9	132	41-152
71-43-2	Benzene	50	57.0	114	78-130
100-44-7	Benzyl Chloride	50	45.4	91	74-130
108-86-1	Bromobenzene	50	57.0	114	78-123
74-97-5	Bromochloromethane	50	45.1	90	72-122
75-27-4	Bromodichloromethane	50	50.6	101	73-122
75-25-2	Bromoform	50	46.2	92	70-139
104-51-8	n-Butylbenzene	50	62.8	126	80-138
135-98-8	sec-Butylbenzene	50	62.1	124	82-132
98-06-6	tert-Butylbenzene	50	62.6	125	79-130
108-90-7	Chlorobenzene	50	55.9	112	83-122
75-00-3	Chloroethane	50	61.3	123	61-153
67-66-3	Chloroform	50	56.6	113	79-129
544-10-5	1-Chlorohexane	50	56.7	113	85-137
95-49-8	o-Chlorotoluene	50	59.6	119	77-123
106-43-4	p-Chlorotoluene	50	60.8	122	78-129
110-75-8	2-Chloroethyl vinyl ether	250	270	108	52-142
75-15-0	Carbon disulfide	50	48.5	97	61-142
56-23-5	Carbon tetrachloride	50	60.4	121	79-135
75-34-3	1,1-Dichloroethane	50	58.3	117	77-132
75-35-4	1,1-Dichloroethylene	50	56.3	113	66-132
563-58-6	1,1-Dichloropropene	50	60.7	121	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	47.2	94	67-129
106-93-4	1,2-Dibromoethane	50	46.9	94	77-126
107-06-2	1,2-Dichloroethane	50	48.3	97	78-129
78-87-5	1,2-Dichloropropane	50	52.9	106	74-127
142-28-9	1,3-Dichloropropane	50	47.6	95	78-118
594-20-7	2,2-Dichloropropane	50	65.1	130	80-137
124-48-1	Dibromochloromethane	50	51.3	103	78-117
75-71-8	Dichlorodifluoromethane	50	60.2	120	35-162
156-59-2	cis-1,2-Dichloroethylene	50	51.8	104	74-123
10061-01-5	cis-1,3-Dichloropropene	50	53.3	107	79-130

Blank Spike Summary

Job Number: F61622
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2058-BS	G0054378.D	1	11/25/08	MM	n/a	n/a	VG2058

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61622-1, F61622-2, F61622-3, F61622-4, F61622-5, F61622-6, F61622-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	55.5	111	71-126
541-73-1	m-Dichlorobenzene	50	58.2	116	82-126
95-50-1	o-Dichlorobenzene	50	56.6	113	83-123
106-46-7	p-Dichlorobenzene	50	58.8	118	84-124
156-60-5	trans-1,2-Dichloroethylene	50	56.3	113	77-129
10061-02-6	trans-1,3-Dichloropropene	50	55.7	111	87-131
100-41-4	Ethylbenzene	50	58.4	117	82-124
97-63-2	Ethyl methacrylate	50	52.8	106	78-118
76-13-1	Freon 113	50	53.1	106	62-147
591-78-6	2-Hexanone	250	196	78	67-130
87-68-3	Hexachlorobutadiene	50	66.6	133	77-150
110-54-3	Hexane	50	66.7	133	65-147
98-82-8	Isopropylbenzene	50	63.9	128	82-133
99-87-6	p-Isopropyltoluene	50	63.2	126	82-132
108-10-1	4-Methyl-2-pentanone	250	217	87	69-125
126-98-7	Methacrylonitrile	500	449	90	70-138
74-83-9	Methyl bromide	50	69.9	140	60-146
74-87-3	Methyl chloride	50	57.9	116	58-163
74-88-4	Methyl iodide	50	43.9	88	66-128
80-62-6	Methyl methacrylate	50	50.0	100	73-125
74-95-3	Methylene bromide	50	47.5	95	75-128
75-09-2	Methylene chloride	50	50.4	101	62-140
78-93-3	Methyl ethyl ketone	250	156	62*	66-134
1634-04-4	Methyl Tert Butyl Ether	50	47.2	94	70-131
91-20-3	Naphthalene	50	52.5	105	59-143
76-01-7	Pentachloroethane	50	65.6	131	64-156
107-12-0	Propionitrile	500	396	79	73-133
103-65-1	n-Propylbenzene	50	61.8	124	78-129
100-42-5	Styrene	50	57.1	114	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	52.2	104	81-121
71-55-6	1,1,1-Trichloroethane	50	62.6	125	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	47.9	96	70-128
79-00-5	1,1,2-Trichloroethane	50	47.5	95	76-118
87-61-6	1,2,3-Trichlorobenzene	50	61.2	122	78-136
96-18-4	1,2,3-Trichloropropane	50	44.7	89	74-125
120-82-1	1,2,4-Trichlorobenzene	50	61.4	123	82-137

Blank Spike Summary

Job Number: F61622
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2058-BS	G0054378.D	1	11/25/08	MM	n/a	n/a	VG2058

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61622-1, F61622-2, F61622-3, F61622-4, F61622-5, F61622-6, F61622-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	61.1	122	77-129
108-67-8	1,3,5-Trimethylbenzene	50	60.7	121	79-129
127-18-4	Tetrachloroethylene	50	61.4	123	79-132
108-88-3	Toluene	50	57.2	114	80-123
79-01-6	Trichloroethylene	50	56.1	112	78-132
75-69-4	Trichlorofluoromethane	50	55.9	112	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	95.1	190*	74-138
75-01-4	Vinyl chloride	50	57.6	115	60-145
108-05-4	Vinyl Acetate	250	319	128	25-164
	m,p-Xylene	100	118	118	82-128
95-47-6	o-Xylene	50	58.1	116	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	80-121%
2037-26-5	Toluene-D8	99%	71-130%
460-00-4	4-Bromofluorobenzene	101%	59-148%
17060-07-0	1,2-Dichloroethane-D4	90%	77-123%

Blank Spike Summary

Job Number: F61622
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2059-BS	G0054403.D	1	11/26/08	MM	n/a	n/a	VG2059

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61622-2, F61622-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	121	48*	61-144
75-05-8	Acetonitrile	500	379	76	59-139
107-02-8	Acrolein	250	59.0	24*	27-156
107-13-1	Acrylonitrile	250	179	72	55-144
107-05-1	Allyl chloride	50	52.9	106	41-152
71-43-2	Benzene	50	52.1	104	78-130
100-44-7	Benzyl Chloride	50	42.5	85	74-130
108-86-1	Bromobenzene	50	51.6	103	78-123
74-97-5	Bromochloromethane	50	44.5	89	72-122
75-27-4	Bromodichloromethane	50	46.0	92	73-122
75-25-2	Bromoform	50	42.1	84	70-139
104-51-8	n-Butylbenzene	50	54.5	109	80-138
135-98-8	sec-Butylbenzene	50	54.7	109	82-132
98-06-6	tert-Butylbenzene	50	54.4	109	79-130
108-90-7	Chlorobenzene	50	52.4	105	83-122
75-00-3	Chloroethane	50	55.3	111	61-153
67-66-3	Chloroform	50	51.6	103	79-129
544-10-5	1-Chlorohexane	50	48.5	97	85-137
95-49-8	o-Chlorotoluene	50	53.4	107	77-123
106-43-4	p-Chlorotoluene	50	54.3	109	78-129
110-75-8	2-Chloroethyl vinyl ether	250	248	99	52-142
75-15-0	Carbon disulfide	50	41.5	83	61-142
56-23-5	Carbon tetrachloride	50	54.2	108	79-135
75-34-3	1,1-Dichloroethane	50	51.2	102	77-132
75-35-4	1,1-Dichloroethylene	50	48.6	97	66-132
563-58-6	1,1-Dichloropropene	50	52.5	105	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	46.0	92	67-129
106-93-4	1,2-Dibromoethane	50	42.5	85	77-126
107-06-2	1,2-Dichloroethane	50	44.7	89	78-129
78-87-5	1,2-Dichloropropane	50	47.9	96	74-127
142-28-9	1,3-Dichloropropane	50	42.7	85	78-118
594-20-7	2,2-Dichloropropane	50	54.7	109	80-137
124-48-1	Dibromochloromethane	50	46.4	93	78-117
75-71-8	Dichlorodifluoromethane	50	56.2	112	35-162
156-59-2	cis-1,2-Dichloroethylene	50	48.7	97	74-123
10061-01-5	cis-1,3-Dichloropropene	50	47.7	95	79-130

Blank Spike Summary

Job Number: F61622
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2059-BS	G0054403.D	1	11/26/08	MM	n/a	n/a	VG2059

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61622-2, F61622-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	47.5	95	71-126
541-73-1	m-Dichlorobenzene	50	53.9	108	82-126
95-50-1	o-Dichlorobenzene	50	53.6	107	83-123
106-46-7	p-Dichlorobenzene	50	53.8	108	84-124
156-60-5	trans-1,2-Dichloroethylene	50	50.1	100	77-129
10061-02-6	trans-1,3-Dichloropropene	50	48.8	98	87-131
100-41-4	Ethylbenzene	50	51.9	104	82-124
97-63-2	Ethyl methacrylate	50	44.1	88	78-118
76-13-1	Freon 113	50	51.4	103	62-147
591-78-6	2-Hexanone	250	182	73	67-130
87-68-3	Hexachlorobutadiene	50	62.3	125	77-150
110-54-3	Hexane	50	56.3	113	65-147
98-82-8	Isopropylbenzene	50	55.5	111	82-133
99-87-6	p-Isopropyltoluene	50	55.6	111	82-132
108-10-1	4-Methyl-2-pentanone	250	201	80	69-125
126-98-7	Methacrylonitrile	500	411	82	70-138
74-83-9	Methyl bromide	50	54.8	110	60-146
74-87-3	Methyl chloride	50	53.5	107	58-163
74-88-4	Methyl iodide	50	40.2	80	66-128
80-62-6	Methyl methacrylate	50	43.2	86	73-125
74-95-3	Methylene bromide	50	45.9	92	75-128
75-09-2	Methylene chloride	50	42.1	84	62-140
78-93-3	Methyl ethyl ketone	250	146	58*	66-134
1634-04-4	Methyl Tert Butyl Ether	50	44.8	90	70-131
91-20-3	Naphthalene	50	49.5	99	59-143
76-01-7	Pentachloroethane	50	58.3	117	64-156
107-12-0	Propionitrile	500	387	77	73-133
103-65-1	n-Propylbenzene	50	53.2	106	78-129
100-42-5	Styrene	50	52.2	104	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	49.4	99	81-121
71-55-6	1,1,1-Trichloroethane	50	53.9	108	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	43.8	88	70-128
79-00-5	1,1,2-Trichloroethane	50	43.9	88	76-118
87-61-6	1,2,3-Trichlorobenzene	50	57.3	115	78-136
96-18-4	1,2,3-Trichloropropane	50	41.8	84	74-125
120-82-1	1,2,4-Trichlorobenzene	50	57.4	115	82-137

Blank Spike Summary

Job Number: F61622
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2059-BS	G0054403.D	1	11/26/08	MM	n/a	n/a	VG2059

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61622-2, F61622-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	54.0	108	77-129
108-67-8	1,3,5-Trimethylbenzene	50	54.1	108	79-129
127-18-4	Tetrachloroethylene	50	53.6	107	79-132
108-88-3	Toluene	50	50.3	101	80-123
79-01-6	Trichloroethylene	50	50.7	101	78-132
75-69-4	Trichlorofluoromethane	50	50.0	100	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	89.0	178*	74-138
75-01-4	Vinyl chloride	50	49.9	100	60-145
108-05-4	Vinyl Acetate	250	264	106	25-164
	m,p-Xylene	100	105	105	82-128
95-47-6	o-Xylene	50	52.0	104	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	80-121%
2037-26-5	Toluene-D8	97%	71-130%
460-00-4	4-Bromofluorobenzene	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	95%	77-123%

Blank Spike Summary

Job Number: F61622
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2060-BS	G0054439.D	1	11/28/08	MM	n/a	n/a	VG2060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61622-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	123	49*	61-144
75-05-8	Acetonitrile	500	317	63	59-139
107-02-8	Acrolein	250	59.3	24*	27-156
107-13-1	Acrylonitrile	250	219	88	55-144
107-05-1	Allyl chloride	50	50.9	102	41-152
71-43-2	Benzene	50	53.9	108	78-130
100-44-7	Benzyl Chloride	50	43.4	87	74-130
108-86-1	Bromobenzene	50	54.7	109	78-123
74-97-5	Bromochloromethane	50	45.7	91	72-122
75-27-4	Bromodichloromethane	50	48.7	97	73-122
75-25-2	Bromoform	50	43.4	87	70-139
104-51-8	n-Butylbenzene	50	52.1	104	80-138
135-98-8	sec-Butylbenzene	50	54.8	110	82-132
98-06-6	tert-Butylbenzene	50	55.7	111	79-130
108-90-7	Chlorobenzene	50	52.3	105	83-122
75-00-3	Chloroethane	50	64.8	130	61-153
67-66-3	Chloroform	50	54.3	109	79-129
544-10-5	1-Chlorohexane	50	50.2	100	85-137
95-49-8	o-Chlorotoluene	50	53.5	107	77-123
106-43-4	p-Chlorotoluene	50	54.1	108	78-129
110-75-8	2-Chloroethyl vinyl ether	250	254	102	52-142
75-15-0	Carbon disulfide	50	42.5	85	61-142
56-23-5	Carbon tetrachloride	50	60.1	120	79-135
75-34-3	1,1-Dichloroethane	50	55.9	112	77-132
75-35-4	1,1-Dichloroethylene	50	50.4	101	66-132
563-58-6	1,1-Dichloropropene	50	55.9	112	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	41.5	83	67-129
106-93-4	1,2-Dibromoethane	50	45.0	90	77-126
107-06-2	1,2-Dichloroethane	50	47.7	95	78-129
78-87-5	1,2-Dichloropropane	50	49.0	98	74-127
142-28-9	1,3-Dichloropropane	50	43.4	87	78-118
594-20-7	2,2-Dichloropropane	50	57.7	115	80-137
124-48-1	Dibromochloromethane	50	48.9	98	78-117
75-71-8	Dichlorodifluoromethane	50	58.4	117	35-162
156-59-2	cis-1,2-Dichloroethylene	50	49.2	98	74-123
10061-01-5	cis-1,3-Dichloropropene	50	48.0	96	79-130

Blank Spike Summary

Job Number: F61622
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2060-BS	G0054439.D	1	11/28/08	MM	n/a	n/a	VG2060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61622-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	48.0	96	71-126
541-73-1	m-Dichlorobenzene	50	52.7	105	82-126
95-50-1	o-Dichlorobenzene	50	51.0	102	83-123
106-46-7	p-Dichlorobenzene	50	54.3	109	84-124
156-60-5	trans-1,2-Dichloroethylene	50	53.8	108	77-129
10061-02-6	trans-1,3-Dichloropropene	50	49.6	99	87-131
100-41-4	Ethylbenzene	50	54.1	108	82-124
97-63-2	Ethyl methacrylate	50	43.6	87	78-118
76-13-1	Freon 113	50	37.1	74	62-147
591-78-6	2-Hexanone	250	181	72	67-130
87-68-3	Hexachlorobutadiene	50	66.5	133	77-150
110-54-3	Hexane	50	63.0	126	65-147
99-87-6	p-Isopropyltoluene	50	55.6	111	82-132
108-10-1	4-Methyl-2-pentanone	250	205	82	69-125
126-98-7	Methacrylonitrile	500	408	82	70-138
74-83-9	Methyl bromide	50	72.1	144	60-146
74-87-3	Methyl chloride	50	52.5	105	58-163
74-88-4	Methyl iodide	50	38.1	76	66-128
80-62-6	Methyl methacrylate	50	42.1	84	73-125
74-95-3	Methylene bromide	50	49.3	99	75-128
75-09-2	Methylene chloride	50	42.4	85	62-140
78-93-3	Methyl ethyl ketone	250	145	58*	66-134
1634-04-4	Methyl Tert Butyl Ether	50	44.4	89	70-131
91-20-3	Naphthalene	50	43.3	87	59-143
76-01-7	Pentachloroethane	50	60.3	121	64-156
107-12-0	Propionitrile	500	378	76	73-133
103-65-1	n-Propylbenzene	50	54.5	109	78-129
100-42-5	Styrene	50	51.4	103	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	50.8	102	81-121
71-55-6	1,1,1-Trichloroethane	50	59.5	119	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	45.8	92	70-128
79-00-5	1,1,2-Trichloroethane	50	46.8	94	76-118
87-61-6	1,2,3-Trichlorobenzene	50	47.1	94	78-136
96-18-4	1,2,3-Trichloropropane	50	43.1	86	74-125
120-82-1	1,2,4-Trichlorobenzene	50	55.4	111	82-137
95-63-6	1,2,4-Trimethylbenzene	50	54.7	109	77-129

Blank Spike Summary

Job Number: F61622
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2060-BS	G0054439.D	1	11/28/08	MM	n/a	n/a	VG2060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61622-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-67-8	1,3,5-Trimethylbenzene	50	54.8	110	79-129
127-18-4	Tetrachloroethylene	50	60.0	120	79-132
108-88-3	Toluene	50	52.9	106	80-123
79-01-6	Trichloroethylene	50	55.5	111	78-132
75-69-4	Trichlorofluoromethane	50	58.3	117	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	82.4	165*	74-138
75-01-4	Vinyl chloride	50	54.6	109	60-145
108-05-4	Vinyl Acetate	250	320	128	25-164
	m,p-Xylene	100	107	107	82-128
95-47-6	o-Xylene	50	51.5	103	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	104%	80-121%
2037-26-5	Toluene-D8	99%	71-130%
460-00-4	4-Bromofluorobenzene	100%	59-148%
17060-07-0	1,2-Dichloroethane-D4	103%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61622
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61622-1MS	G0054382.D	1	11/25/08	MM	n/a	n/a	VG2058
F61622-1MSD	G0054383.D	1	11/25/08	MM	n/a	n/a	VG2058
F61622-1	G0054381.D	1	11/25/08	MM	n/a	n/a	VG2058

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61622-1, F61622-2, F61622-3, F61622-4, F61622-5, F61622-6, F61622-8

CAS No.	Compound	F61622-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		316	163	52*	170	53*	4	61-144/29
75-05-8	Acetonitrile	ND		633	416	66	454	71	9	59-139/30
107-02-8	Acrolein	ND		316	86.1	27	87.4	27	1	27-156/39
107-13-1	Acrylonitrile	ND		316	267	84	270	84	1	55-144/24
107-05-1	Allyl chloride	ND		63.3	67.7	107	64.0	100	6	41-152/24
71-43-2	Benzene	ND		63.3	66.5	105	63.8	100	4	78-130/25
100-44-7	Benzyl Chloride	ND		63.3	52.5	83	48.3	76	8	74-130/28
108-86-1	Bromobenzene	ND		63.3	66.5	105	60.9	95	9	78-123/30
74-97-5	Bromochloromethane	ND		63.3	55.1	87	55.4	87	1	72-122/23
75-27-4	Bromodichloromethane	ND		63.3	60.5	96	59.3	93	2	73-122/25
75-25-2	Bromoform	ND		63.3	56.7	90	58.1	91	2	70-139/26
104-51-8	n-Butylbenzene	ND		63.3	69.2	109	63.4	99	9	80-138/31
135-98-8	sec-Butylbenzene	ND		63.3	69.0	109	61.6	96	11	82-132/29
98-06-6	tert-Butylbenzene	ND		63.3	70.7	112	63.7	100	10	79-130/29
108-90-7	Chlorobenzene	ND		63.3	64.6	102	61.0	95	6	83-122/23
75-00-3	Chloroethane	ND		63.3	72.2	114	66.4	104	8	61-153/31
67-66-3	Chloroform	ND		63.3	66.7	105	65.5	102	2	79-129/27
544-10-5	1-Chlorohexane	ND		63.3	63.9	101	59.2	93	8	85-137/29
95-49-8	o-Chlorotoluene	ND		63.3	68.2	108	62.5	98	9	77-123/31
106-43-4	p-Chlorotoluene	ND		63.3	68.4	108	64.4	101	6	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		316	352	111	342	107	3	52-142/25
75-15-0	Carbon disulfide	ND		63.3	56.6	89	51.9	81	9	61-142/27
56-23-5	Carbon tetrachloride	ND		63.3	69.6	110	64.2	100	8	79-135/29
75-34-3	1,1-Dichloroethane	ND		63.3	67.3	106	64.2	100	5	77-132/26
75-35-4	1,1-Dichloroethylene	ND		63.3	67.2	106	61.1	96	10	66-132/27
563-58-6	1,1-Dichloropropene	ND		63.3	68.8	109	64.4	101	7	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		63.3	62.7	99	55.5	87	12	67-129/29
106-93-4	1,2-Dibromoethane	ND		63.3	58.8	93	57.2	89	3	77-126/24
107-06-2	1,2-Dichloroethane	ND		63.3	58.8	93	58.7	92	0	78-129/24
78-87-5	1,2-Dichloropropane	ND		63.3	64.7	102	61.4	96	5	74-127/27
142-28-9	1,3-Dichloropropane	ND		63.3	57.5	91	57.5	90	0	78-118/26
594-20-7	2,2-Dichloropropane	ND		63.3	70.0	111	64.5	101	8	80-137/28
124-48-1	Dibromochloromethane	ND		63.3	61.0	96	61.6	96	1	78-117/27
75-71-8	Dichlorodifluoromethane	ND		63.3	71.3	113	67.5	106	5	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		63.3	62.6	99	57.9	91	8	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		63.3	64.8	102	62.4	98	4	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61622
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61622-1MS	G0054382.D	1	11/25/08	MM	n/a	n/a	VG2058
F61622-1MSD	G0054383.D	1	11/25/08	MM	n/a	n/a	VG2058
F61622-1	G0054381.D	1	11/25/08	MM	n/a	n/a	VG2058

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61622-1, F61622-2, F61622-3, F61622-4, F61622-5, F61622-6, F61622-8

CAS No.	Compound	F61622-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		63.3	59.2	94	54.5	85	8	71-126/28
541-73-1	m-Dichlorobenzene	ND		63.3	66.5	105	62.9	98	6	82-126/29
95-50-1	o-Dichlorobenzene	ND		63.3	66.0	104	63.1	99	4	83-123/28
106-46-7	p-Dichlorobenzene	ND		63.3	67.4	106	63.9	100	5	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		63.3	67.3	106	62.4	98	8	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		63.3	64.9	103	63.6	99	2	87-131/27
100-41-4	Ethylbenzene	ND		63.3	68.0	107	63.4	99	7	82-124/25
97-63-2	Ethyl methacrylate	ND		63.3	59.5	94	60.0	94	1	78-118/30
76-13-1	Freon 113	ND		63.3	63.9	101	55.5	87	14	62-147/29
591-78-6	2-Hexanone	ND		316	246	78	254	79	3	67-130/29
87-68-3	Hexachlorobutadiene	ND		63.3	75.2	119	67.5	106	11	77-150/36
110-54-3	Hexane	ND		63.3	73.0	115	70.8	111	3	65-147/27
98-82-8	Isopropylbenzene	70.9		63.3	72.5	3*	68.6	-4*	6	82-133/27
99-87-6	p-Isopropyltoluene	ND		63.3	69.6	110	63.5	99	9	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		316	292	92	290	91	1	69-125/24
126-98-7	Methacrylonitrile	ND		633	526	83	533	83	1	70-138/22
74-83-9	Methyl bromide	ND		63.3	84.7	134	72.4	113	16	60-146/31
74-87-3	Methyl chloride	ND		63.3	69.3	109	65.4	102	6	58-163/26
74-88-4	Methyl iodide	ND		63.3	51.7	82	48.2	75	7	66-128/27
80-62-6	Methyl methacrylate	ND		63.3	59.8	94	59.2	93	1	73-125/24
74-95-3	Methylene bromide	ND		63.3	63.2	100	61.1	96	3	75-128/26
75-09-2	Methylene chloride	10.5	B	63.3	61.5	81	57.7	74	6	62-140/25
78-93-3	Methyl ethyl ketone	ND		316	194	61*	196	61*	1	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		63.3	57.1	90	58.5	91	2	70-131/25
91-20-3	Naphthalene	ND		63.3	66.9	106	62.1	97	7	59-143/31
76-01-7	Pentachloroethane	ND		63.3	72.1	114	64.5	101	11	64-156/37
107-12-0	Propionitrile	ND		633	483	76	508	79	5	73-133/23
103-65-1	n-Propylbenzene	ND		63.3	69.4	110	62.4	98	11	78-129/29
100-42-5	Styrene	ND		63.3	64.9	103	64.9	102	0	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		63.3	60.9	96	60.7	95	0	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		63.3	69.5	110	65.4	102	6	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		63.3	63.0	100	60.4	94	4	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		63.3	59.5	94	59.5	93	0	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		63.3	70.4	111	67.3	105	5	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		63.3	59.5	94	51.8	81	14	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		63.3	71.0	112	65.7	103	8	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61622
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61622-1MS	G0054382.D	1	11/25/08	MM	n/a	n/a	VG2058
F61622-1MSD	G0054383.D	1	11/25/08	MM	n/a	n/a	VG2058
F61622-1	G0054381.D	1	11/25/08	MM	n/a	n/a	VG2058

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61622-1, F61622-2, F61622-3, F61622-4, F61622-5, F61622-6, F61622-8

CAS No.	Compound	F61622-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		63.3	68.5	108	64.0	100	7	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		63.3	70.3	111	62.5	98	12	79-129/31
127-18-4	Tetrachloroethylene	ND		63.3	69.1	109	66.7	104	4	79-132/27
108-88-3	Toluene	ND		63.3	65.4	103	61.6	96	6	80-123/26
79-01-6	Trichloroethylene	ND		63.3	67.4	106	60.7	95	10	78-132/28
75-69-4	Trichlorofluoromethane	ND		63.3	65.4	103	58.5	91	11	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		63.3	119	188*	103	161*	14	74-138/30
75-01-4	Vinyl chloride	ND		63.3	68.9	109	60.5	95	13	60-145/29
108-05-4	Vinyl Acetate	ND		316	339	107	366	114	8	25-164/35
	m,p-Xylene	ND		127	136	107	130	102	5	82-128/25
95-47-6	o-Xylene	ND		63.3	67.3	106	64.2	100	5	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61622-1	Limits
1868-53-7	Dibromofluoromethane	101%	105%	101%	80-121%
2037-26-5	Toluene-D8	100%	99%	94%	71-130%
460-00-4	4-Bromofluorobenzene	95%	93%	98%	59-148%
17060-07-0	1,2-Dichloroethane-D4	97%	99%	116%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61622
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61622-7MS	G0054412.D	1	11/26/08	MM	n/a	n/a	VG2059
F61622-7MSD	G0054413.D	1	11/26/08	MM	n/a	n/a	VG2059
F61622-7	G0054407.D	1	11/26/08	MM	n/a	n/a	VG2059

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61622-2, F61622-7

CAS No.	Compound	F61622-7 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		327	133	41*	137	42*	3	61-144/29
75-05-8	Acetonitrile	ND		654	474	73	452	69	5	59-139/30
107-02-8	Acrolein	ND		327	15.7	5*	14.6	4*	7	27-156/39
107-13-1	Acrylonitrile	ND		327	193	59	187	57	3	55-144/24
107-05-1	Allyl chloride	ND		65.4	ND	0*	ND	0*	nc	41-152/24
71-43-2	Benzene	ND		65.4	70.4	108	66.9	103	5	78-130/25
100-44-7	Benzyl Chloride	ND		65.4	41.2	63*	39.5	61*	4	74-130/28
108-86-1	Bromobenzene	ND		65.4	66.1	101	63.6	98	4	78-123/30
74-97-5	Bromochloromethane	ND		65.4	57.0	87	55.7	85	2	72-122/23
75-27-4	Bromodichloromethane	ND		65.4	62.4	95	58.1	89	7	73-122/25
75-25-2	Bromoform	ND		65.4	57.4	88	46.9	72	20	70-139/26
104-51-8	n-Butylbenzene	ND		65.4	66.2	101	64.5	99	3	80-138/31
135-98-8	sec-Butylbenzene	ND		65.4	68.5	105	66.4	102	3	82-132/29
98-06-6	tert-Butylbenzene	ND		65.4	70.3	108	68.6	105	2	79-130/29
108-90-7	Chlorobenzene	ND		65.4	68.6	105	65.2	100	5	83-122/23
75-00-3	Chloroethane	ND		65.4	78.6	120	75.0	115	5	61-153/31
67-66-3	Chloroform	ND		65.4	69.3	106	67.1	103	3	79-129/27
544-10-5	1-Chlorohexane	ND		65.4	64.6	99	61.3	94	5	85-137/29
95-49-8	o-Chlorotoluene	ND		65.4	68.4	105	64.2	98	6	77-123/31
106-43-4	p-Chlorotoluene	ND		65.4	68.5	105	65.3	100	5	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		327	343	105	342	105	0	52-142/25
75-15-0	Carbon disulfide	ND		65.4	58.4	89	55.2	85	6	61-142/27
56-23-5	Carbon tetrachloride	ND		65.4	75.3	115	71.0	109	6	79-135/29
75-34-3	1,1-Dichloroethane	ND		65.4	67.9	104	65.1	100	4	77-132/26
75-35-4	1,1-Dichloroethylene	ND		65.4	69.5	106	66.7	102	4	66-132/27
563-58-6	1,1-Dichloropropene	ND		65.4	70.3	108	69.3	106	1	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		65.4	57.3	88	59.7	92	4	67-129/29
106-93-4	1,2-Dibromoethane	ND		65.4	58.5	89	58.1	89	1	77-126/24
107-06-2	1,2-Dichloroethane	15.9		65.4	62.9	72*	61.1	69*	3	78-129/24
78-87-5	1,2-Dichloropropane	ND		65.4	65.7	101	63.1	97	4	74-127/27
142-28-9	1,3-Dichloropropane	ND		65.4	59.6	91	57.4	88	4	78-118/26
594-20-7	2,2-Dichloropropane	ND		65.4	65.3	100	62.5	96	4	80-137/28
124-48-1	Dibromochloromethane	ND		65.4	61.9	95	60.3	92	3	78-117/27
75-71-8	Dichlorodifluoromethane	ND		65.4	77.6	119	75.5	116	3	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		65.4	62.2	95	60.5	93	3	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		65.4	61.2	94	60.5	93	1	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61622
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61622-7MS	G0054412.D	1	11/26/08	MM	n/a	n/a	VG2059
F61622-7MSD	G0054413.D	1	11/26/08	MM	n/a	n/a	VG2059
F61622-7	G0054407.D	1	11/26/08	MM	n/a	n/a	VG2059

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61622-2, F61622-7

CAS No.	Compound	F61622-7 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		65.4	ND	0*	ND	0*	nc	71-126/28
541-73-1	m-Dichlorobenzene	ND		65.4	68.7	105	65.4	100	5	82-126/29
95-50-1	o-Dichlorobenzene	ND		65.4	67.3	103	64.8	99	4	83-123/28
106-46-7	p-Dichlorobenzene	ND		65.4	68.7	105	66.5	102	3	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		65.4	68.3	104	67.0	103	2	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		65.4	65.1	100	64.0	98	2	87-131/27
100-41-4	Ethylbenzene	ND		65.4	72.5	111	68.0	104	6	82-124/25
97-63-2	Ethyl methacrylate	ND		65.4	ND	0*	ND	0*	nc	78-118/30
76-13-1	Freon 113	ND		65.4	73.0	112	63.0	97	15	62-147/29
591-78-6	2-Hexanone	ND		327	210	64*	210	64*	0	67-130/29
87-68-3	Hexachlorobutadiene	ND		65.4	72.1	110	72.2	111	0	77-150/36
110-54-3	Hexane	ND		65.4	68.7	105	60.0	92	14	65-147/27
98-82-8	Isopropylbenzene	ND		65.4	77.1	118	72.9	112	6	82-133/27
99-87-6	p-Isopropyltoluene	ND		65.4	70.5	108	68.0	104	4	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		327	278	85	280	86	1	69-125/24
126-98-7	Methacrylonitrile	ND		654	32.4	5*	30.6	5*	6	70-138/22
74-83-9	Methyl bromide	ND		65.4	89.3	137	91.6	140	3	60-146/31
74-87-3	Methyl chloride	ND		65.4	71.3	109	68.7	105	4	58-163/26
74-88-4	Methyl iodide	ND		65.4	54.1	83	50.9	78	6	66-128/27
80-62-6	Methyl methacrylate	ND		65.4	53.4	82	53.9	83	1	73-125/24
74-95-3	Methylene bromide	ND		65.4	61.0	93	61.2	94	0	75-128/26
75-09-2	Methylene chloride	5.3	J	65.4	67.6	95	72.5	103	7	62-140/25
78-93-3	Methyl ethyl ketone	ND		327	165	50*	162	50*	2	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		65.4	59.2	91	58.2	89	2	70-131/25
91-20-3	Naphthalene	ND		65.4	63.8	98	64.6	99	1	59-143/31
76-01-7	Pentachloroethane	ND		65.4	ND	0*	ND	0*	nc	64-156/37
107-12-0	Propionitrile	ND		654	ND	0*	ND	0*	nc	73-133/23
103-65-1	n-Propylbenzene	ND		65.4	66.7	102	64.3	99	4	78-129/29
100-42-5	Styrene	ND		65.4	70.3	108	64.1	98	9	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		65.4	66.4	102	61.5	94	8	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		65.4	72.1	110	71.3	109	1	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		65.4	57.8	88	60.3	92	4	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		65.4	61.6	94	61.1	94	1	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		65.4	70.0	107	70.2	108	0	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		65.4	54.0	83	53.9	83	0	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		65.4	71.2	109	70.5	108	1	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61622
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61622-7MS	G0054412.D	1	11/26/08	MM	n/a	n/a	VG2059
F61622-7MSD	G0054413.D	1	11/26/08	MM	n/a	n/a	VG2059
F61622-7	G0054407.D	1	11/26/08	MM	n/a	n/a	VG2059

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61622-2, F61622-7

CAS No.	Compound	F61622-7 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		65.4	71.3	109	67.7	104	5	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		65.4	69.1	106	65.7	101	5	79-129/31
127-18-4	Tetrachloroethylene	ND		65.4	71.0	109	67.8	104	5	79-132/27
108-88-3	Toluene	ND		65.4	69.8	107	66.6	102	5	80-123/26
79-01-6	Trichloroethylene	ND		65.4	72.9	112	67.9	104	7	78-132/28
75-69-4	Trichlorofluoromethane	ND		65.4	71.7	110	69.2	106	4	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		65.4	101	155*	96.0	147*	5	74-138/30
75-01-4	Vinyl chloride	ND		65.4	73.9	113	70.6	108	5	60-145/29
108-05-4	Vinyl Acetate	ND		327	34.1	10*	17.7	5*	63*	25-164/35
	m,p-Xylene	ND		131	146	112	137	105	6	82-128/25
95-47-6	o-Xylene	ND		65.4	72.7	111	67.5	103	7	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61622-7	Limits
1868-53-7	Dibromofluoromethane	99%	102%	102%	80-121%
2037-26-5	Toluene-D8	101%	100%	94%	71-130%
460-00-4	4-Bromofluorobenzene	93%	93%	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	98%	101%	114%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61622
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61590-1MS	G0054440.D	1	11/28/08	MM	n/a	n/a	VG2060
F61590-1MSD	G0054441.D	1	11/28/08	MM	n/a	n/a	VG2060
F61590-1	G0054438.D	1	11/28/08	MM	n/a	n/a	VG2060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61622-6

CAS No.	Compound	F61590-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		338	193	57*	153	45*	23	61-144/29
75-05-8	Acetonitrile	ND		676	490	73	464	69	5	59-139/30
107-02-8	Acrolein	ND		338	69.6	21*	84.3	25*	19	27-156/39
107-13-1	Acrylonitrile	ND		338	303	90	279	83	8	55-144/24
107-05-1	Allyl chloride	ND		67.6	70.4	104	65.0	97	8	41-152/24
71-43-2	Benzene	ND		67.6	75.2	111	70.9	105	6	78-130/25
100-44-7	Benzyl Chloride	ND		67.6	56.6	84	54.4	81	4	74-130/28
108-86-1	Bromobenzene	ND		67.6	73.8	109	69.0	103	7	78-123/30
74-97-5	Bromochloromethane	ND		67.6	65.1	96	58.8	87	10	72-122/23
75-27-4	Bromodichloromethane	ND		67.6	69.0	102	64.1	95	7	73-122/25
75-25-2	Bromoform	ND		67.6	63.2	94	57.4	85	10	70-139/26
104-51-8	n-Butylbenzene	ND		67.6	73.1	108	69.5	103	5	80-138/31
135-98-8	sec-Butylbenzene	ND		67.6	73.2	108	70.5	105	4	82-132/29
98-06-6	tert-Butylbenzene	ND		67.6	73.9	109	72.0	107	3	79-130/29
108-90-7	Chlorobenzene	ND		67.6	72.3	107	67.3	100	7	83-122/23
75-00-3	Chloroethane	ND		67.6	88.1	130	80.5	120	9	61-153/31
67-66-3	Chloroform	ND		67.6	77.4	115	70.5	105	9	79-129/27
544-10-5	1-Chlorohexane	ND		67.6	68.2	101	64.1	95	6	85-137/29
95-49-8	o-Chlorotoluene	ND		67.6	73.0	108	69.5	103	5	77-123/31
106-43-4	p-Chlorotoluene	ND		67.6	72.2	107	70.1	104	3	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		338	376	111	341	101	10	52-142/25
75-15-0	Carbon disulfide	ND		67.6	55.2	82	51.7	77	7	61-142/27
56-23-5	Carbon tetrachloride	ND		67.6	82.2	122	75.5	112	8	79-135/29
75-34-3	1,1-Dichloroethane	ND		67.6	76.9	114	72.0	107	7	77-132/26
75-35-4	1,1-Dichloroethylene	ND		67.6	68.3	101	62.5	93	9	66-132/27
563-58-6	1,1-Dichloropropene	ND		67.6	76.9	114	71.0	106	8	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		67.6	60.1	89	58.5	87	3	67-129/29
106-93-4	1,2-Dibromoethane	ND		67.6	62.5	92	56.5	84	10	77-126/24
107-06-2	1,2-Dichloroethane	ND		67.6	66.4	98	63.4	94	5	78-129/24
78-87-5	1,2-Dichloropropane	ND		67.6	67.9	100	64.5	96	5	74-127/27
142-28-9	1,3-Dichloropropane	ND		67.6	62.8	93	59.1	88	6	78-118/26
594-20-7	2,2-Dichloropropane	ND		67.6	76.3	113	71.5	106	6	80-137/28
124-48-1	Dibromochloromethane	ND		67.6	67.8	100	63.4	94	7	78-117/27
75-71-8	Dichlorodifluoromethane	ND		67.6	78.9	117	71.4	106	10	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		67.6	66.5	98	64.6	96	3	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		67.6	69.3	103	63.6	95	9	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61622
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61590-1MS	G0054440.D	1	11/28/08	MM	n/a	n/a	VG2060
F61590-1MSD	G0054441.D	1	11/28/08	MM	n/a	n/a	VG2060
F61590-1	G0054438.D	1	11/28/08	MM	n/a	n/a	VG2060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61622-6

CAS No.	Compound	F61590-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		67.6	67.5	100	64.6	96	4	71-126/28
541-73-1	m-Dichlorobenzene	ND		67.6	77.6	115	70.1	104	10	82-126/29
95-50-1	o-Dichlorobenzene	ND		67.6	72.5	107	69.6	103	4	83-123/28
106-46-7	p-Dichlorobenzene	ND		67.6	74.6	110	70.8	105	5	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		67.6	77.4	115	70.4	105	9	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		67.6	73.3	108	64.1	95	13	87-131/27
100-41-4	Ethylbenzene	ND		67.6	73.7	109	69.7	104	6	82-124/25
97-63-2	Ethyl methacrylate	ND		67.6	64.6	96	56.7	84	13	78-118/30
76-13-1	Freon 113	ND		67.6	49.6	73	43.0	64	14	62-147/29
591-78-6	2-Hexanone	ND		338	270	80	237	70	13	67-130/29
87-68-3	Hexachlorobutadiene	ND		67.6	86.8	128	80.6	120	7	77-150/36
110-54-3	Hexane	ND		67.6	87.6	130	80.6	120	8	65-147/27
99-87-6	p-Isopropyltoluene	ND		67.6	75.4	112	71.6	106	5	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		338	314	93	277	82	13	69-125/24
126-98-7	Methacrylonitrile	ND		676	614	91	552	82	11	70-138/22
74-83-9	Methyl bromide	ND		67.6	104	154*	89.2	133	15	60-146/31
74-87-3	Methyl chloride	ND		67.6	73.2	108	68.9	102	6	58-163/26
74-88-4	Methyl iodide	ND		67.6	51.0	75	47.7	71	7	66-128/27
80-62-6	Methyl methacrylate	ND		67.6	64.6	96	59.4	88	8	73-125/24
74-95-3	Methylene bromide	ND		67.6	68.9	102	62.2	92	10	75-128/26
75-09-2	Methylene chloride	5.5	J	67.6	55.3	74	53.2	71	4	62-140/25
78-93-3	Methyl ethyl ketone	ND		338	225	67	194	58*	15	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		67.6	63.4	94	58.8	87	8	70-131/25
91-20-3	Naphthalene	ND		67.6	65.2	96	59.9	89	8	59-143/31
76-01-7	Pentachloroethane	ND		67.6	83.4	123	76.3	113	9	64-156/37
107-12-0	Propionitrile	ND		676	562	83	515	77	9	73-133/23
103-65-1	n-Propylbenzene	ND		67.6	73.1	108	71.3	106	2	78-129/29
100-42-5	Styrene	ND		67.6	71.3	105	67.5	100	5	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		67.6	71.2	105	67.7	101	5	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		67.6	80.9	120	74.3	110	9	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		67.6	63.4	94	61.9	92	2	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		67.6	66.8	99	61.0	91	9	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		67.6	72.1	107	66.1	98	9	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		67.6	61.3	91	56.9	85	7	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		67.6	79.8	118	75.9	113	5	82-137/32
95-63-6	1,2,4-Trimethylbenzene	ND		67.6	75.6	112	70.1	104	8	77-129/29

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61622
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61590-1MS	G0054440.D	1	11/28/08	MM	n/a	n/a	VG2060
F61590-1MSD	G0054441.D	1	11/28/08	MM	n/a	n/a	VG2060
F61590-1	G0054438.D	1	11/28/08	MM	n/a	n/a	VG2060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61622-6

CAS No.	Compound	F61590-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
108-67-8	1,3,5-Trimethylbenzene	ND		67.6	74.6	110	69.9	104	7	79-129/31
127-18-4	Tetrachloroethylene	ND		67.6	79.9	118	75.6	112	6	79-132/27
108-88-3	Toluene	ND		67.6	72.3	107	67.8	101	6	80-123/26
79-01-6	Trichloroethylene	ND		67.6	75.8	112	70.4	105	7	78-132/28
75-69-4	Trichlorofluoromethane	ND		67.6	78.2	116	70.3	104	11	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		67.6	123	182*	116	172*	6	74-138/30
75-01-4	Vinyl chloride	ND		67.6	74.5	110	66.6	99	11	60-145/29
108-05-4	Vinyl Acetate	ND		338	437	129	401	119	9	25-164/35
	m,p-Xylene	ND		135	149	110	139	103	7	82-128/25
95-47-6	o-Xylene	ND		67.6	70.7	105	68.5	102	3	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61590-1	Limits
1868-53-7	Dibromofluoromethane	104%	103%	110%	80-121%
2037-26-5	Toluene-D8	98%	98%	97%	71-130%
460-00-4	4-Bromofluorobenzene	98%	99%	102%	59-148%
17060-07-0	1,2-Dichloroethane-D4	100%	97%	113%	77-123%

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61622
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3622-MB	CD086046.D	1	11/28/08	JG	n/a	n/a	GCD3622

The QC reported here applies to the following samples: **Method:** SW846 8015

F61622-1, F61622-2, F61622-3, F61622-4, F61622-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	77%	56-136%
98-08-8	aaa-Trifluorotoluene	85%	61-121%

Method Blank Summary

Job Number: F61622
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3624-MB	CD086110.D	1	12/01/08	JG	n/a	n/a	GCD3624

The QC reported here applies to the following samples: **Method:** SW846 8015

F61622-5, F61622-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	79%	56-136%
98-08-8	aaa-Trifluorotoluene	81%	61-121%

Blank Spike Summary

Job Number: F61622
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3622-BS	CD086045.D	1	11/28/08	JG	n/a	n/a	GCD3622

The QC reported here applies to the following samples: **Method:** SW846 8015

F61622-1, F61622-2, F61622-3, F61622-4, F61622-7

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	16.2	81	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	100%	56-136%
98-08-8	aaa-Trifluorotoluene	86%	61-121%

Blank Spike Summary

Job Number: F61622
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3624-BS	CD086106.D	1	12/01/08	JG	n/a	n/a	GCD3624

The QC reported here applies to the following samples: **Method:** SW846 8015

F61622-5, F61622-6

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	17.3	87	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	98%	56-136%
98-08-8	aaa-Trifluorotoluene	96%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61622
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61660-1MS	CD086126.D	1	12/01/08	JG	n/a	n/a	GCD3624
F61660-1MSD	CD086127.D	1	12/01/08	JG	n/a	n/a	GCD3624
F61660-1	CD086112.D	1	12/01/08	JG	n/a	n/a	GCD3624

The QC reported here applies to the following samples: **Method:** SW846 8015

F61622-5, F61622-6

CAS No.	Compound	F61660-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		24.9	21.2	85	19.4	78	9	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61660-1	Limits
460-00-4	4-Bromofluorobenzene	100%	110%	82%	56-136%
98-08-8	aaa-Trifluorotoluene	94%	93%	83%	61-121%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61622
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27215-MB	LL23996.D	1	11/21/08	ME	11/21/08	OP27215	GLL901

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61622-1, F61622-2, F61622-3, F61622-4, F61622-5, F61622-6, F61622-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	87%	49-108%

Method Blank Summary

Job Number: F61622
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27215-MB	LL24075.D	1	11/25/08	ME	11/21/08	OP27215	GLL903

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61622-1, F61622-2, F61622-3, F61622-4, F61622-5, F61622-6, F61622-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	84%	49-108%

Blank Spike Summary

Job Number: F61622
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27215-BS	LL23995.D	1	11/21/08	ME	11/21/08	OP27215	GLL901

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61622-1, F61622-2, F61622-3, F61622-4, F61622-5, F61622-6, F61622-7

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	29.1	87	64-102
	TPH (> C22-C36)	33.3	35.5	107	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	90%	49-108%

Blank Spike Summary

Job Number: F61622
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27215-BS	LL24074.D	1	11/25/08	ME	11/21/08	OP27215	GLL903

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61622-1, F61622-2, F61622-3, F61622-4, F61622-5, F61622-6, F61622-7

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	28.5	86	64-102
	TPH (> C22-C36)	33.3	31.6	95	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	88%	49-108%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61622
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27215-MS	LL24022.D	1	11/22/08	ME	11/21/08	OP27215	GLL901
OP27215-MSD	LL24023.D	1	11/22/08	ME	11/21/08	OP27215	GLL901
F61622-7	LL24009.D	1	11/22/08	ME	11/21/08	OP27215	GLL901

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61622-1, F61622-2, F61622-3, F61622-4, F61622-5, F61622-6, F61622-7

CAS No.	Compound	F61622-7 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		40.1	34.3	86	33.2	83	3	64-102/32
	TPH (> C22-C36)	ND		40.1	37.9	95	42.1	105	11	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F61622-7	Limits
84-15-1	o-Terphenyl	87%	88%	89%	49-108%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/15/08

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F61660

Sampling Date: 11/19/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **97**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Sections: 1 2 3 4 5 6 7

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F61660-1: SS61-SB07-16 7
3.2: F61660-2: SS61-SB07-27 12
3.3: F61660-3: SS61-SB07-40 17
3.4: F61660-4: SS61-SB08-23 22
3.5: F61660-5: SS61-SB08-27 27
3.6: F61660-6: SS61-SB08-40 32
3.7: F61660-7: TRIP BLANK 37
Section 4: Misc. Forms **40**
4.1: Chain of Custody 41
Section 5: GC/MS Volatiles - QC Data Summaries **43**
5.1: Method Blank Summary 44
5.2: Blank Spike Summary 56
5.3: Matrix Spike/Matrix Spike Duplicate Summary 68
Section 6: GC Volatiles - QC Data Summaries **80**
6.1: Method Blank Summary 81
6.2: Blank Spike Summary 84
6.3: Matrix Spike/Matrix Spike Duplicate Summary 87
Section 7: GC Semi-volatiles - QC Data Summaries **90**
7.1: Method Blank Summary 91
7.2: Blank Spike Summary 94
7.3: Matrix Spike/Matrix Spike Duplicate Summary 96

Sample Summary

North Wind, Inc

Job No: F61660

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F61660-1	11/19/08	08:15	ZB	11/20/08	SO	Soil	SS61-SB07-16
F61660-2	11/19/08	08:40	ZB	11/20/08	SO	Soil	SS61-SB07-27
F61660-3	11/19/08	09:15	ZB	11/20/08	SO	Soil	SS61-SB07-40
F61660-4	11/19/08	10:45	ZB	11/20/08	SO	Soil	SS61-SB08-23
F61660-5	11/19/08	11:00	ZB	11/20/08	SO	Soil	SS61-SB08-27
F61660-6	11/19/08	11:15	ZB	11/20/08	SO	Soil	SS61-SB08-40
F61660-7	11/19/08	00:00	ZB	11/20/08	SO	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F61660

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/8/2008 1:07:59 PM

6 Samples, 1 Trip Blank were collected on 11/19/2008 and received at Accutest on 11/20/2008 properly preserved, at 2.4 Deg. C and intact. These Samples received an Accutest job number of F61660. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2059

All samples were analyzed within the recommended method holding time.

Sample(s) F61622-7MS, F61622-7MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

BS/MS/MSD Recovery(s) for Acetone, Acrolein, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene are outside control limits. Acetone, Acrolein, Methyl ethyl ketone data considered minimum values, TDB biased high and not detected in the samples.

Matrix Spike Recovery(s) for 1,2-Dichloroethane, 2-Hexanone, Allyl chloride, Benzyl Chloride, cis-1,4-Dichloro-2-Butene, Ethyl methacrylate, Methacrylonitrile, Pentachloroethane, Propionitrile, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,2-Dichloroethane, 2-Hexanone, Allyl chloride, Benzyl Chloride, cis-1,4-Dichloro-2-Butene, Ethyl methacrylate, Methacrylonitrile, Pentachloroethane, Propionitrile, Vinyl Acetate are outside control limits. Probable cause due to matrix interference. See Blank Spike for these compounds performing in clean marix.

RPD(s) for MSD for Vinyl Acetate are outside control limits for sample F61622-7MSD. Probable cause due to sample homogeneity.

Matrix: SO **Batch ID:** VG2060

All samples were analyzed within the recommended method holding time.

Sample(s) F61590-1MS, F61590-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.
BS/MS/MSD Recovery(s) for Acetone, Acrolein, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene are outside control limits. Acetone, Acrolein, Methyl ethyl ketone data considered minimum values, TDB biased high and not detected in the samples.

F61660-7 for Acetone: CCV and BS outside of control limits; results may be biased low.

F61660-7 for Methylene chloride: Suspected laboratory contaminant.

F61660-7 for Methyl ethyl ketone: CCV and BS outside of control limits; results may be biased low.

F61660-6 for Acetone: CCV and BS outside of control limits; results may be biased low.

F61660-6 for Methyl ethyl ketone: CCV and BS outside of control limits; results may be biased low.

Matrix: SO **Batch ID:** VG2061

All samples were analyzed within the recommended method holding time.

Sample(s) F61708-1MS, F61708-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

BS and/or MS/MSD Recovery(s) for Acetone, Ethyl methacrylate, Trans-1,4-Dichloro-2-Butene are outside control limits. TDB biased high, not detected in the samples. Acetone, Ethyl methacrylate data concidered minimum values.

Matrix Spike Recovery(s) for Acrolein, Benzyl Chloride, Methyl ethyl ketone, Tetrachloroethylene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for Acrolein, Benzyl Chloride, Bromobenzene, Freon 113, o-Chlorotoluene, o-Dichlorobenzene, Tetrachloroethylene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2061

RPD(s) for MSD for Acetone, Acrolein, Freon 113, Methyl ethyl ketone, Propionitrile are outside control limits for sample F61708-1MSD. Probable cause due to sample homogeneity.

Matrix: SO **Batch ID:** VG2062

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61737-1MS, F61737-1MSD were used as the QC samples indicated.

Blank Spike Recovery(s) for Freon 113, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for Acetone, Acrolein, Benzyl Chloride, Ethyl methacrylate, Trans-1,4-Dichloro-2-Butene are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for Acetone, Acrolein, Ethyl methacrylate, Methylene chloride, Trans-1,4-Dichloro-2-Butene are outside control limits. Probable cause due to matrix interference.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GCD3624

All samples were analyzed within the recommended method holding time.

Sample(s) F61660-1MS, F61660-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Matrix: SO **Batch ID:** GCD3625

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61661-12MS, F61661-12MSD were used as the QC samples indicated.

Matrix: SO **Batch ID:** GCD3626

All method blanks for this batch meet method specific criteria.

Sample(s) F61706-23MS, F61706-23MSD were used as the QC samples indicated.

Extractables by GC By Method SW846 8015 M

Matrix: SO **Batch ID:** OP27222

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61623-12MS, F61623-12MSD were used as the QC samples indicated.

Matrix: SO **Batch ID:** OP27224

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61660-6MS, F61660-6MSD were used as the QC samples indicated.

Wet Chemistry By Method SM19 2540B M

Matrix: SO **Batch ID:** GN32928

Sample(s) F61660-1DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data QualityObjectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____

Svetlana Izosimova, QAO (signature on file)

Date: December 08, 2008

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-SB07-16		
Lab Sample ID:	F61660-1	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054414.D	1	11/26/08	MM	11/20/08 14:02	n/a	VG2059
Run #2							

	Initial Weight
Run #1	4.99 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	57	29	ug/kg	
75-05-8	Acetonitrile	ND	57	18	ug/kg	
107-02-8	Acrolein	ND	29	11	ug/kg	
107-13-1	Acrylonitrile	ND	29	7.9	ug/kg	
107-05-1	Allyl chloride	ND	29	5.7	ug/kg	
71-43-2	Benzene	ND	5.7	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.7	1.3	ug/kg	
108-86-1	Bromobenzene	ND	5.7	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.7	1.9	ug/kg	
75-27-4	Bromodichloromethane	ND	5.7	1.4	ug/kg	
75-25-2	Bromoform	ND	5.7	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	5.7	1.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.7	1.3	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.7	1.3	ug/kg	
108-90-7	Chlorobenzene	ND	5.7	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.7	2.3	ug/kg	
67-66-3	Chloroform	ND	5.7	1.9	ug/kg	
544-10-5	1-Chlorohexane	ND	5.7	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.7	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.7	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	29	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.7	1.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.7	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.7	2.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.7	1.5	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.7	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.7	2.7	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.7	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.7	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.7	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.7	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.7	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB07-16		
Lab Sample ID:	F61660-1	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.7	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.7	2.3	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.7	1.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.7	1.5	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	29	5.7	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.7	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.7	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.7	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.7	1.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.7	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.7	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	29	5.7	ug/kg	
76-13-1	Freon 113	ND	5.7	3.0	ug/kg	
591-78-6	2-Hexanone	ND	29	5.7	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.7	1.4	ug/kg	
110-54-3	Hexane	ND	5.7	2.7	ug/kg	
98-82-8	Isopropylbenzene	ND	5.7	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.7	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	29	7.3	ug/kg	
126-98-7	Methacrylonitrile	ND	29	6.3	ug/kg	
74-83-9	Methyl bromide	ND	5.7	2.5	ug/kg	
74-87-3	Methyl chloride	ND	5.7	2.7	ug/kg	
74-88-4	Methyl iodide	ND	11	2.3	ug/kg	
80-62-6	Methyl methacrylate	ND	29	5.7	ug/kg	
74-95-3	Methylene bromide	ND	5.7	1.7	ug/kg	
75-09-2	Methylene chloride	ND	11	5.7	ug/kg	
78-93-3	Methyl ethyl ketone	ND	29	9.5	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.7	1.7	ug/kg	
91-20-3	Naphthalene	ND	5.7	2.3	ug/kg	
76-01-7	Pentachloroethane	ND	29	5.7	ug/kg	
107-12-0	Propionitrile	ND	57	14	ug/kg	
103-65-1	n-Propylbenzene	ND	5.7	1.4	ug/kg	
100-42-5	Styrene	ND	5.7	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.7	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.7	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.7	2.1	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.7	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.7	2.3	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.7	2.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.7	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB07-16		
Lab Sample ID:	F61660-1	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.7	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.7	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.7	1.4	ug/kg	
108-88-3	Toluene	ND	5.7	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.7	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.7	2.3	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	29	5.7	ug/kg	
75-01-4	Vinyl chloride	ND	5.7	2.3	ug/kg	
108-05-4	Vinyl Acetate	ND	29	14	ug/kg	
	m,p-Xylene	ND	11	2.2	ug/kg	
95-47-6	o-Xylene	ND	5.7	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-121%
2037-26-5	Toluene-D8	95%		71-130%
460-00-4	4-Bromofluorobenzene	96%		59-148%
17060-07-0	1,2-Dichloroethane-D4	108%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB07-16		
Lab Sample ID:	F61660-1	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	87.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086112.D	1	12/01/08	JG	11/20/08 14:02	n/a	GCD3624
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.16 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.2	3.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	82%		56-136%
98-08-8	aaa-Trifluorotoluene	83%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB07-16		
Lab Sample ID:	F61660-1	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	87.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24161.D	1	11/27/08	ME	11/21/08	OP27222	GLL904
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.3	5.6	mg/kg	
	TPH (> C22-C36)	ND	9.3	5.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	89%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB07-27		
Lab Sample ID:	F61660-2	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	79.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054538.D	1	12/02/08	MM	11/20/08 14:02	n/a	VG2062
Run #2	G0054445.D	1	11/28/08	MM	11/20/08 14:02	n/a	VG2060

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.36 g	5.0 ml	100 ul
Run #2	5.36 g	5.0 ml	20.0 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3600	1800	ug/kg	
75-05-8	Acetonitrile	ND	3600	1100	ug/kg	
107-02-8	Acrolein	ND	1800	700	ug/kg	
107-13-1	Acrylonitrile	ND	1800	490	ug/kg	
107-05-1	Allyl chloride	ND	1800	360	ug/kg	
71-43-2	Benzene	6630	360	72	ug/kg	
100-44-7	Benzyl Chloride	ND	360	79	ug/kg	
108-86-1	Bromobenzene	ND	360	72	ug/kg	
74-97-5	Bromochloromethane	ND	360	120	ug/kg	
75-27-4	Bromodichloromethane	ND	360	86	ug/kg	
75-25-2	Bromoform	ND	360	110	ug/kg	
104-51-8	n-Butylbenzene	ND	360	100	ug/kg	
135-98-8	sec-Butylbenzene	556	360	79	ug/kg	
98-06-6	tert-Butylbenzene	204	360	79	ug/kg	J
108-90-7	Chlorobenzene	ND	360	72	ug/kg	
75-00-3	Chloroethane	ND	360	140	ug/kg	
67-66-3	Chloroform	ND	360	120	ug/kg	
544-10-5	1-Chlorohexane	ND	360	93	ug/kg	
95-49-8	o-Chlorotoluene	ND	360	72	ug/kg	
106-43-4	p-Chlorotoluene	ND	360	72	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1800	720	ug/kg	
75-15-0	Carbon disulfide	113	360	79	ug/kg	J
56-23-5	Carbon tetrachloride	ND	360	100	ug/kg	
75-34-3	1,1-Dichloroethane	ND	360	140	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	360	93	ug/kg	
563-58-6	1,1-Dichloropropene	ND	360	100	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	360	170	ug/kg	
106-93-4	1,2-Dibromoethane	ND	360	72	ug/kg	
107-06-2	1,2-Dichloroethane	ND	360	79	ug/kg	
78-87-5	1,2-Dichloropropane	ND	360	100	ug/kg	
142-28-9	1,3-Dichloropropane	ND	360	72	ug/kg	
594-20-7	2,2-Dichloropropane	ND	360	150	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB07-27		
Lab Sample ID:	F61660-2	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	79.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	360	72	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	360	140	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	360	110	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	360	93	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	1800	360	ug/kg	
541-73-1	m-Dichlorobenzene	ND	360	72	ug/kg	
95-50-1	o-Dichlorobenzene	ND	360	72	ug/kg	
106-46-7	p-Dichlorobenzene	ND	360	72	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	360	86	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	360	72	ug/kg	
100-41-4	Ethylbenzene	2970	360	72	ug/kg	
97-63-2	Ethyl methacrylate	ND	1800	360	ug/kg	
76-13-1	Freon 113	ND	360	190	ug/kg	
591-78-6	2-Hexanone	ND	1800	360	ug/kg	
87-68-3	Hexachlorobutadiene	ND	360	86	ug/kg	
110-54-3	Hexane	ND	360	170	ug/kg	
98-82-8	Isopropylbenzene	19900 [a]	1800	390	ug/kg	
99-87-6	p-Isopropyltoluene	ND	360	79	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1800	460	ug/kg	
126-98-7	Methacrylonitrile	ND	1800	390	ug/kg	
74-83-9	Methyl bromide	ND	360	160	ug/kg	
74-87-3	Methyl chloride	ND	360	170	ug/kg	
74-88-4	Methyl iodide	ND	720	140	ug/kg	
80-62-6	Methyl methacrylate	ND	1800	360	ug/kg	
74-95-3	Methylene bromide	ND	360	110	ug/kg	
75-09-2	Methylene chloride	ND	720	360	ug/kg	
78-93-3	Methyl ethyl ketone	ND	1800	590	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	360	110	ug/kg	
91-20-3	Naphthalene	ND	360	140	ug/kg	
76-01-7	Pentachloroethane	ND	1800	360	ug/kg	
107-12-0	Propionitrile	ND	3600	860	ug/kg	
103-65-1	n-Propylbenzene	1270	360	86	ug/kg	
100-42-5	Styrene	ND	360	72	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	360	72	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	360	79	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	360	130	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	360	72	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	360	140	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	360	140	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	360	140	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB07-27		
Lab Sample ID:	F61660-2	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	79.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	184	360	72	ug/kg	J
108-67-8	1,3,5-Trimethylbenzene	ND	360	72	ug/kg	
127-18-4	Tetrachloroethylene	ND	360	86	ug/kg	
108-88-3	Toluene	ND	360	72	ug/kg	
79-01-6	Trichloroethylene	ND	360	86	ug/kg	
75-69-4	Trichlorofluoromethane	ND	360	140	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	1800	360	ug/kg	
75-01-4	Vinyl chloride	ND	360	140	ug/kg	
108-05-4	Vinyl Acetate	ND	1800	860	ug/kg	
	m,p-Xylene	284	720	140	ug/kg	J
95-47-6	o-Xylene	234	360	72	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%	99%	80-121%
2037-26-5	Toluene-D8	96%	100%	71-130%
460-00-4	4-Bromofluorobenzene	96%	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	107%	108%	77-123%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB07-27		
Lab Sample ID:	F61660-2	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	79.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086162.D	1	12/02/08	JG	11/20/08 14:02	n/a	GCD3625
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.36 g	5.0 ml	10.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	408	72	36	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%		56-136%
98-08-8	aaa-Trifluorotoluene	120%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB07-27		
Lab Sample ID:	F61660-2	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	79.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24275.D	1	12/03/08	NY	11/21/08	OP27222	GLL907
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.3	mg/kg	
	TPH (> C22-C36)	ND	10	6.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	90%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB07-40		
Lab Sample ID:	F61660-3	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	90.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054416.D	1	11/26/08	MM	11/20/08 14:02	n/a	VG2059
Run #2							

	Initial Weight
Run #1	5.81 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	48	24	ug/kg	
75-05-8	Acetonitrile	ND	48	15	ug/kg	
107-02-8	Acrolein	ND	24	9.4	ug/kg	
107-13-1	Acrylonitrile	ND	24	6.6	ug/kg	
107-05-1	Allyl chloride	ND	24	4.8	ug/kg	
71-43-2	Benzene	ND	4.8	0.95	ug/kg	
100-44-7	Benzyl Chloride	ND	4.8	1.0	ug/kg	
108-86-1	Bromobenzene	ND	4.8	0.95	ug/kg	
74-97-5	Bromochloromethane	ND	4.8	1.6	ug/kg	
75-27-4	Bromodichloromethane	ND	4.8	1.1	ug/kg	
75-25-2	Bromoform	ND	4.8	1.4	ug/kg	
104-51-8	n-Butylbenzene	ND	4.8	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	4.8	1.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	4.8	1.0	ug/kg	
108-90-7	Chlorobenzene	ND	4.8	0.95	ug/kg	
75-00-3	Chloroethane	ND	4.8	1.9	ug/kg	
67-66-3	Chloroform	ND	4.8	1.6	ug/kg	
544-10-5	1-Chlorohexane	ND	4.8	1.2	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.8	0.95	ug/kg	
106-43-4	p-Chlorotoluene	ND	4.8	0.95	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	24	9.5	ug/kg	
75-15-0	Carbon disulfide	ND	4.8	1.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.8	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.8	1.9	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.8	1.2	ug/kg	
563-58-6	1,1-Dichloropropene	ND	4.8	1.3	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.8	2.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4.8	0.95	ug/kg	
107-06-2	1,2-Dichloroethane	1.1	4.8	1.0	ug/kg	J
78-87-5	1,2-Dichloropropane	ND	4.8	1.3	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4.8	0.95	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4.8	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB07-40		
Lab Sample ID:	F61660-3	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	90.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	4.8	0.95	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.8	1.9	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.8	1.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.8	1.2	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	24	4.8	ug/kg	
541-73-1	m-Dichlorobenzene	ND	4.8	0.95	ug/kg	
95-50-1	o-Dichlorobenzene	2.0	4.8	0.95	ug/kg	J
106-46-7	p-Dichlorobenzene	ND	4.8	0.95	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	4.8	1.1	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.8	0.95	ug/kg	
100-41-4	Ethylbenzene	ND	4.8	0.95	ug/kg	
97-63-2	Ethyl methacrylate	ND	24	4.8	ug/kg	
76-13-1	Freon 113	ND	4.8	2.5	ug/kg	
591-78-6	2-Hexanone	ND	24	4.8	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.8	1.1	ug/kg	
110-54-3	Hexane	ND	4.8	2.3	ug/kg	
98-82-8	Isopropylbenzene	12.4	4.8	1.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	4.8	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	24	6.1	ug/kg	
126-98-7	Methacrylonitrile	ND	24	5.2	ug/kg	
74-83-9	Methyl bromide	ND	4.8	2.1	ug/kg	
74-87-3	Methyl chloride	ND	4.8	2.3	ug/kg	
74-88-4	Methyl iodide	ND	9.5	1.9	ug/kg	
80-62-6	Methyl methacrylate	ND	24	4.8	ug/kg	
74-95-3	Methylene bromide	ND	4.8	1.4	ug/kg	
75-09-2	Methylene chloride	ND	9.5	4.8	ug/kg	
78-93-3	Methyl ethyl ketone	ND	24	7.9	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.8	1.4	ug/kg	
91-20-3	Naphthalene	ND	4.8	1.9	ug/kg	
76-01-7	Pentachloroethane	ND	24	4.8	ug/kg	
107-12-0	Propionitrile	ND	48	11	ug/kg	
103-65-1	n-Propylbenzene	ND	4.8	1.1	ug/kg	
100-42-5	Styrene	ND	4.8	0.95	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.8	0.95	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.8	1.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.8	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.8	0.95	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.8	1.9	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.8	1.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	1.9	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB07-40		
Lab Sample ID:	F61660-3	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	90.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	4.8	0.95	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.8	0.95	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.8	1.1	ug/kg	
108-88-3	Toluene	ND	4.8	0.95	ug/kg	
79-01-6	Trichloroethylene	ND	4.8	1.1	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.8	1.9	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	24	4.8	ug/kg	
75-01-4	Vinyl chloride	ND	4.8	1.9	ug/kg	
108-05-4	Vinyl Acetate	ND	24	11	ug/kg	
	m,p-Xylene	ND	9.5	1.8	ug/kg	
95-47-6	o-Xylene	ND	4.8	0.95	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-121%
2037-26-5	Toluene-D8	93%		71-130%
460-00-4	4-Bromofluorobenzene	94%		59-148%
17060-07-0	1,2-Dichloroethane-D4	115%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB07-40		
Lab Sample ID:	F61660-3	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	90.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086114.D	1	12/01/08	JG	11/20/08 14:02	n/a	GCD3624
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.99 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.2	2.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	85%		56-136%
98-08-8	aaa-Trifluorotoluene	83%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB07-40		
Lab Sample ID:	F61660-3	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	90.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24163.D	1	11/27/08	ME	11/21/08	OP27222	GLL904
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.2	5.5	mg/kg	
	TPH (> C22-C36)	ND	9.2	5.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB08-23		
Lab Sample ID:	F61660-4	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054417.D	1	11/26/08	MM	11/20/08 14:19	n/a	VG2059
Run #2							

	Initial Weight
Run #1	5.85 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	51	26	ug/kg	
75-05-8	Acetonitrile	ND	51	16	ug/kg	
107-02-8	Acrolein	ND	26	10	ug/kg	
107-13-1	Acrylonitrile	ND	26	7.1	ug/kg	
107-05-1	Allyl chloride	ND	26	5.1	ug/kg	
71-43-2	Benzene	3.2	5.1	1.0	ug/kg	J
100-44-7	Benzyl Chloride	ND	5.1	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.1	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.1	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.1	1.2	ug/kg	
75-25-2	Bromoform	ND	5.1	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.1	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.1	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.1	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.1	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.1	2.1	ug/kg	
67-66-3	Chloroform	ND	5.1	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.1	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.1	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.1	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	26	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.1	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.1	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.1	2.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.1	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.1	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.1	2.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.1	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.1	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.1	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.1	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.1	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB08-23		
Lab Sample ID:	F61660-4	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.1	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.1	2.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.1	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.1	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	26	5.1	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.1	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.1	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.1	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.1	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.1	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.1	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	26	5.1	ug/kg	
76-13-1	Freon 113	ND	5.1	2.7	ug/kg	
591-78-6	2-Hexanone	ND	26	5.1	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.1	1.2	ug/kg	
110-54-3	Hexane	ND	5.1	2.5	ug/kg	
98-82-8	Isopropylbenzene	ND	5.1	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.1	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	26	6.6	ug/kg	
126-98-7	Methacrylonitrile	ND	26	5.7	ug/kg	
74-83-9	Methyl bromide	ND	5.1	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.1	2.5	ug/kg	
74-88-4	Methyl iodide	ND	10	2.1	ug/kg	
80-62-6	Methyl methacrylate	ND	26	5.1	ug/kg	
74-95-3	Methylene bromide	ND	5.1	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.1	ug/kg	
78-93-3	Methyl ethyl ketone	ND	26	8.5	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.1	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.1	2.1	ug/kg	
76-01-7	Pentachloroethane	ND	26	5.1	ug/kg	
107-12-0	Propionitrile	ND	51	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.1	1.2	ug/kg	
100-42-5	Styrene	ND	5.1	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.1	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.1	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.1	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.1	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.1	2.1	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.1	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.1	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB08-23		
Lab Sample ID:	F61660-4	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.1	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.1	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.1	1.2	ug/kg	
108-88-3	Toluene	ND	5.1	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.1	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.1	2.1	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	26	5.1	ug/kg	
75-01-4	Vinyl chloride	ND	5.1	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	26	12	ug/kg	
	m,p-Xylene	ND	10	2.0	ug/kg	
95-47-6	o-Xylene	ND	5.1	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-121%
2037-26-5	Toluene-D8	93%		71-130%
460-00-4	4-Bromofluorobenzene	95%		59-148%
17060-07-0	1,2-Dichloroethane-D4	115%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB08-23		
Lab Sample ID:	F61660-4	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	83.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086115.D	1	12/01/08	JG	11/20/08 14:19	n/a	GCD3624
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.42 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.6	3.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	80%		56-136%
98-08-8	aaa-Trifluorotoluene	79%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB08-23		
Lab Sample ID:	F61660-4	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	83.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24164.D	1	11/27/08	ME	11/21/08	OP27222	GLL904
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.0	mg/kg	
	TPH (> C22-C36)	ND	10	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	77%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB08-27		
Lab Sample ID:	F61660-5	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054484.D	1	12/01/08	MM	11/20/08 14:19	n/a	VG2061
Run #2	G0054446.D	1	11/28/08	MM	11/20/08 14:19	n/a	VG2060

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.36 g	5.0 ml	100 ul
Run #2	5.36 g	5.0 ml	20.0 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3300	1600	ug/kg	
75-05-8	Acetonitrile	ND	3300	1000	ug/kg	
107-02-8	Acrolein	ND	1600	640	ug/kg	
107-13-1	Acrylonitrile	ND	1600	450	ug/kg	
107-05-1	Allyl chloride	ND	1600	330	ug/kg	
71-43-2	Benzene	5080	330	66	ug/kg	
100-44-7	Benzyl Chloride	ND	330	72	ug/kg	
108-86-1	Bromobenzene	ND	330	66	ug/kg	
74-97-5	Bromochloromethane	ND	330	110	ug/kg	
75-27-4	Bromodichloromethane	ND	330	79	ug/kg	
75-25-2	Bromoform	ND	330	98	ug/kg	
104-51-8	n-Butylbenzene	ND	330	92	ug/kg	
135-98-8	sec-Butylbenzene	344	330	72	ug/kg	
98-06-6	tert-Butylbenzene	155	330	72	ug/kg	J
108-90-7	Chlorobenzene	ND	330	66	ug/kg	
75-00-3	Chloroethane	ND	330	130	ug/kg	
67-66-3	Chloroform	ND	330	110	ug/kg	
544-10-5	1-Chlorohexane	ND	330	85	ug/kg	
95-49-8	o-Chlorotoluene	ND	330	66	ug/kg	
106-43-4	p-Chlorotoluene	ND	330	66	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1600	660	ug/kg	
75-15-0	Carbon disulfide	ND	330	72	ug/kg	
56-23-5	Carbon tetrachloride	ND	330	92	ug/kg	
75-34-3	1,1-Dichloroethane	ND	330	130	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	330	85	ug/kg	
563-58-6	1,1-Dichloropropene	ND	330	92	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	330	160	ug/kg	
106-93-4	1,2-Dibromoethane	ND	330	66	ug/kg	
107-06-2	1,2-Dichloroethane	ND	330	72	ug/kg	
78-87-5	1,2-Dichloropropane	ND	330	92	ug/kg	
142-28-9	1,3-Dichloropropane	ND	330	66	ug/kg	
594-20-7	2,2-Dichloropropane	ND	330	140	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB08-27		
Lab Sample ID:	F61660-5	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	330	66	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	330	130	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	330	100	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	330	85	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	1600	330	ug/kg	
541-73-1	m-Dichlorobenzene	ND	330	66	ug/kg	
95-50-1	o-Dichlorobenzene	ND	330	66	ug/kg	
106-46-7	p-Dichlorobenzene	ND	330	66	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	330	79	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	330	66	ug/kg	
100-41-4	Ethylbenzene	7060	330	66	ug/kg	
97-63-2	Ethyl methacrylate	ND	1600	330	ug/kg	
76-13-1	Freon 113	ND	330	170	ug/kg	
591-78-6	2-Hexanone	ND	1600	330	ug/kg	
87-68-3	Hexachlorobutadiene	ND	330	79	ug/kg	
110-54-3	Hexane	ND	330	160	ug/kg	
98-82-8	Isopropylbenzene	18400 [a]	1600	360	ug/kg	
99-87-6	p-Isopropyltoluene	ND	330	72	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1600	420	ug/kg	
126-98-7	Methacrylonitrile	ND	1600	360	ug/kg	
74-83-9	Methyl bromide	ND	330	140	ug/kg	
74-87-3	Methyl chloride	ND	330	160	ug/kg	
74-88-4	Methyl iodide	ND	660	130	ug/kg	
80-62-6	Methyl methacrylate	ND	1600	330	ug/kg	
74-95-3	Methylene bromide	ND	330	98	ug/kg	
75-09-2	Methylene chloride	ND	660	330	ug/kg	
78-93-3	Methyl ethyl ketone	ND	1600	540	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	330	98	ug/kg	
91-20-3	Naphthalene	ND	330	130	ug/kg	
76-01-7	Pentachloroethane	ND	1600	330	ug/kg	
107-12-0	Propionitrile	ND	3300	790	ug/kg	
103-65-1	n-Propylbenzene	1390	330	79	ug/kg	
100-42-5	Styrene	ND	330	66	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	330	66	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	330	72	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	330	120	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	330	66	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	330	130	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	330	120	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	330	130	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB08-27		
Lab Sample ID:	F61660-5	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	149	330	66	ug/kg	J
108-67-8	1,3,5-Trimethylbenzene	ND	330	66	ug/kg	
127-18-4	Tetrachloroethylene	ND	330	79	ug/kg	
108-88-3	Toluene	ND	330	66	ug/kg	
79-01-6	Trichloroethylene	ND	330	79	ug/kg	
75-69-4	Trichlorofluoromethane	ND	330	130	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	1600	330	ug/kg	
75-01-4	Vinyl chloride	ND	330	130	ug/kg	
108-05-4	Vinyl Acetate	ND	1600	790	ug/kg	
	m,p-Xylene	129	660	120	ug/kg	J
95-47-6	o-Xylene	116	330	66	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%	99%	80-121%
2037-26-5	Toluene-D8	100%	97%	71-130%
460-00-4	4-Bromofluorobenzene	93%	100%	59-148%
17060-07-0	1,2-Dichloroethane-D4	107%	110%	77-123%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB08-27		
Lab Sample ID:	F61660-5	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	83.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086176.D	1	12/03/08	JG	11/20/08 14:19	n/a	GCD3626
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.36 g	5.0 ml	5.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	581	130	66	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	99%		56-136%
98-08-8	aaa-Trifluorotoluene	105%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB08-27		
Lab Sample ID:	F61660-5	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	83.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24283.D	1	12/03/08	NY	11/21/08	OP27224	GLL907
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.8	5.9	mg/kg	
	TPH (> C22-C36)	ND	9.8	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	89%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB08-40		
Lab Sample ID:	F61660-6	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054447.D	1	11/28/08	MM	11/20/08 14:19	n/a	VG2060
Run #2							

	Initial Weight
Run #1	5.15 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	56	28	ug/kg	
75-05-8	Acetonitrile	ND	56	18	ug/kg	
107-02-8	Acrolein	ND	28	11	ug/kg	
107-13-1	Acrylonitrile	ND	28	7.7	ug/kg	
107-05-1	Allyl chloride	ND	28	5.6	ug/kg	
71-43-2	Benzene	ND	5.6	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.6	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.6	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.6	1.9	ug/kg	
75-27-4	Bromodichloromethane	ND	5.6	1.3	ug/kg	
75-25-2	Bromoform	ND	5.6	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	5.6	1.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.6	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.6	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.6	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.6	2.2	ug/kg	
67-66-3	Chloroform	ND	5.6	1.9	ug/kg	
544-10-5	1-Chlorohexane	ND	5.6	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.6	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.6	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	28	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.6	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.6	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.6	2.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.6	1.5	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.6	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.6	2.7	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.6	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.6	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.6	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.6	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.6	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB08-40		
Lab Sample ID:	F61660-6	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.6	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.6	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.6	1.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.6	1.5	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	28	5.6	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.6	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	1.6	5.6	1.1	ug/kg	J
106-46-7	p-Dichlorobenzene	ND	5.6	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.6	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.6	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.6	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	28	5.6	ug/kg	
76-13-1	Freon 113	ND	5.6	2.9	ug/kg	
591-78-6	2-Hexanone	ND	28	5.6	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.6	1.3	ug/kg	
110-54-3	Hexane	ND	5.6	2.7	ug/kg	
98-82-8	Isopropylbenzene	ND	5.6	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.6	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	28	7.1	ug/kg	
126-98-7	Methacrylonitrile	ND	28	6.1	ug/kg	
74-83-9	Methyl bromide	ND	5.6	2.5	ug/kg	
74-87-3	Methyl chloride	ND	5.6	2.7	ug/kg	
74-88-4	Methyl iodide	ND	11	2.2	ug/kg	
80-62-6	Methyl methacrylate	ND	28	5.6	ug/kg	
74-95-3	Methylene bromide	ND	5.6	1.7	ug/kg	
75-09-2	Methylene chloride	ND	11	5.6	ug/kg	
78-93-3	Methyl ethyl ketone [a]	ND	28	9.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.6	1.7	ug/kg	
91-20-3	Naphthalene	ND	5.6	2.2	ug/kg	
76-01-7	Pentachloroethane	ND	28	5.6	ug/kg	
107-12-0	Propionitrile	ND	56	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.6	1.3	ug/kg	
100-42-5	Styrene	ND	5.6	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.6	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.6	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.6	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.6	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.6	2.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.6	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB08-40		
Lab Sample ID:	F61660-6	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.6	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.6	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.6	1.3	ug/kg	
108-88-3	Toluene	ND	5.6	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.6	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.6	2.2	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	28	5.6	ug/kg	
75-01-4	Vinyl chloride	ND	5.6	2.2	ug/kg	
108-05-4	Vinyl Acetate	ND	28	13	ug/kg	
	m,p-Xylene	ND	11	2.1	ug/kg	
95-47-6	o-Xylene	ND	5.6	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-121%
2037-26-5	Toluene-D8	99%		71-130%
460-00-4	4-Bromofluorobenzene	94%		59-148%
17060-07-0	1,2-Dichloroethane-D4	106%		77-123%

(a) CCV and BS outside of control limits; results may be biased low.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB08-40		
Lab Sample ID:	F61660-6	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	87.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086149.D	1	12/02/08	JG	11/20/08 14:19	n/a	GCD3625
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.23 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.2	3.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	82%		56-136%
98-08-8	aaa-Trifluorotoluene	82%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB08-40		
Lab Sample ID:	F61660-6	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	87.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24284.D	1	12/03/08	NY	11/21/08	OP27224	GLL907
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.4	5.6	mg/kg	
	TPH (> C22-C36)	ND	9.4	5.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	79%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61660-7	**Date Sampled:**	11/19/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/20/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054448.D	1	11/28/08	MM	n/a	n/a	VG2060
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61660-7	**Date Sampled:**	11/19/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/20/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride [b]	17.9	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone [a]	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61660-7	**Date Sampled:**	11/19/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/20/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-121%
2037-26-5	Toluene-D8	98%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	109%		77-123%

(a) CCV and BS outside of control limits; results may be biased low.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

F61660

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

Page 1 of 1

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number (1): 11-19-2008-3

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Zack Beck / Greg Kinsman

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code (2)	Sample Number (3)	Sample Matrix (4)	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)					Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
1	SS61-SB07-16	SS61-SB07	19-Nov-2008	0815	14 - 16	N	01	SO	5	X	X	X									3
2	SS61-SB07-27	SS61-SB07	19-Nov-2008	0840	25 - 27	N	01	SO	5	X	X	X									3
3	SS61-SB07-40	SS61-SB07	19-Nov-2008	0915	38 - 40	N	01	SO	5	X	X	X									3
4	SS61-SB08-23	SS61-SB08	19-Nov-2008	1045	21 - 23	N	01	SO	5	X	X	X									3
5	SS61-SB08-27	SS61-SB08	19-Nov-2008	1100	25 - 27	N	01	SO	5	X	X	X									3
6	SS61-SB08-40	SS61-SB08	19-Nov-2008	1115	38 - 40	N	01	SO	5	X	X	X									3
7	Trip Blank				-	TB		WQ	3	X											3
					-																
					-																
					-																
					-																

Sample Analysis Requested (5) | Quality Assurance Samples (6)

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1.		11/19/08	1400			
2.					11/20/08	0900
3.						

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: Shipped No.:

Method of Shipment: Airbill Number:

Analytical Lab: Accutest Laboratories Delivery Location:

Lab Recipient: Delivery Date/Time:

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

2.4

F61660: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F611660 CLIENT: Blate PROJECT: SS-61

DATE/TIME RECEIVED: 11.20.08 09:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2 4

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8679 1433 5787

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [X] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 24

NUMBER OF 5035 FIELD KITS ? TB

NUMBER OF LAB FILTERED METALS ? Ø

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE: E.T. 11.20.08 TECHNICIAN SIGNATURE/DATE: JC 11-20-08 ASBD 12/17/07

4.1 4

F61660: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2059-MB	G0054404.D	1	11/26/08	MM	n/a	n/a	VG2059

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61660-1, F61660-3, F61660-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2059-MB	G0054404.D	1	11/26/08	MM	n/a	n/a	VG2059

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61660-1, F61660-3, F61660-4

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2059-MB	G0054404.D	1	11/26/08	MM	n/a	n/a	VG2059

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61660-1, F61660-3, F61660-4

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	80-121%
2037-26-5	Toluene-D8	93%	71-130%
460-00-4	4-Bromofluorobenzene	96%	59-148%
17060-07-0	1,2-Dichloroethane-D4	109%	77-123%

Method Blank Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2060-MB	G0054433.D	1	11/28/08	MM	n/a	n/a	VG2060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61660-2, F61660-5, F61660-6, F61660-7

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2060-MB	G0054433.D	1	11/28/08	MM	n/a	n/a	VG2060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61660-2, F61660-5, F61660-6, F61660-7

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2060-MB	G0054433.D	1	11/28/08	MM	n/a	n/a	VG2060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61660-2, F61660-5, F61660-6, F61660-7

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	104%	80-121%
2037-26-5	Toluene-D8	96%	71-130%
460-00-4	4-Bromofluorobenzene	101%	59-148%
17060-07-0	1,2-Dichloroethane-D4	114%	77-123%

Method Blank Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2061-MB	G0054483.D	1	12/01/08	MM	n/a	n/a	VG2061

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61660-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2061-MB	G0054483.D	1	12/01/08	MM	n/a	n/a	VG2061

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61660-5

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	6.3	10	5.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	

Method Blank Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2061-MB	G0054483.D	1	12/01/08	MM	n/a	n/a	VG2061

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61660-5

CAS No.	Compound	Result	RL	MDL	Units	Q
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	80-121%
2037-26-5	Toluene-D8	94%	71-130%
460-00-4	4-Bromofluorobenzene	98%	59-148%
17060-07-0	1,2-Dichloroethane-D4	109%	77-123%

Method Blank Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2062-MB	G0054527.D	1	12/02/08	MM	n/a	n/a	VG2062

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61660-2

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2062-MB	G0054527.D	1	12/02/08	MM	n/a	n/a	VG2062

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61660-2

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	5.6	10	5.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	2.1	5.0	2.0	ug/kg	J
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	

Method Blank Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2062-MB	G0054527.D	1	12/02/08	MM	n/a	n/a	VG2062

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61660-2

CAS No.	Compound	Result	RL	MDL	Units	Q
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	80-121%
2037-26-5	Toluene-D8	92%	71-130%
460-00-4	4-Bromofluorobenzene	96%	59-148%
17060-07-0	1,2-Dichloroethane-D4	113%	77-123%

Blank Spike Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2059-BS	G0054403.D	1	11/26/08	MM	n/a	n/a	VG2059

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61660-1, F61660-3, F61660-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	121	48*	61-144
75-05-8	Acetonitrile	500	379	76	59-139
107-02-8	Acrolein	250	59.0	24*	27-156
107-13-1	Acrylonitrile	250	179	72	55-144
107-05-1	Allyl chloride	50	52.9	106	41-152
71-43-2	Benzene	50	52.1	104	78-130
100-44-7	Benzyl Chloride	50	42.5	85	74-130
108-86-1	Bromobenzene	50	51.6	103	78-123
74-97-5	Bromochloromethane	50	44.5	89	72-122
75-27-4	Bromodichloromethane	50	46.0	92	73-122
75-25-2	Bromoform	50	42.1	84	70-139
104-51-8	n-Butylbenzene	50	54.5	109	80-138
135-98-8	sec-Butylbenzene	50	54.7	109	82-132
98-06-6	tert-Butylbenzene	50	54.4	109	79-130
108-90-7	Chlorobenzene	50	52.4	105	83-122
75-00-3	Chloroethane	50	55.3	111	61-153
67-66-3	Chloroform	50	51.6	103	79-129
544-10-5	1-Chlorohexane	50	48.5	97	85-137
95-49-8	o-Chlorotoluene	50	53.4	107	77-123
106-43-4	p-Chlorotoluene	50	54.3	109	78-129
110-75-8	2-Chloroethyl vinyl ether	250	248	99	52-142
75-15-0	Carbon disulfide	50	41.5	83	61-142
56-23-5	Carbon tetrachloride	50	54.2	108	79-135
75-34-3	1,1-Dichloroethane	50	51.2	102	77-132
75-35-4	1,1-Dichloroethylene	50	48.6	97	66-132
563-58-6	1,1-Dichloropropene	50	52.5	105	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	46.0	92	67-129
106-93-4	1,2-Dibromoethane	50	42.5	85	77-126
107-06-2	1,2-Dichloroethane	50	44.7	89	78-129
78-87-5	1,2-Dichloropropane	50	47.9	96	74-127
142-28-9	1,3-Dichloropropane	50	42.7	85	78-118
594-20-7	2,2-Dichloropropane	50	54.7	109	80-137
124-48-1	Dibromochloromethane	50	46.4	93	78-117
75-71-8	Dichlorodifluoromethane	50	56.2	112	35-162
156-59-2	cis-1,2-Dichloroethylene	50	48.7	97	74-123
10061-01-5	cis-1,3-Dichloropropene	50	47.7	95	79-130

Blank Spike Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2059-BS	G0054403.D	1	11/26/08	MM	n/a	n/a	VG2059

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61660-1, F61660-3, F61660-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	47.5	95	71-126
541-73-1	m-Dichlorobenzene	50	53.9	108	82-126
95-50-1	o-Dichlorobenzene	50	53.6	107	83-123
106-46-7	p-Dichlorobenzene	50	53.8	108	84-124
156-60-5	trans-1,2-Dichloroethylene	50	50.1	100	77-129
10061-02-6	trans-1,3-Dichloropropene	50	48.8	98	87-131
100-41-4	Ethylbenzene	50	51.9	104	82-124
97-63-2	Ethyl methacrylate	50	44.1	88	78-118
76-13-1	Freon 113	50	51.4	103	62-147
591-78-6	2-Hexanone	250	182	73	67-130
87-68-3	Hexachlorobutadiene	50	62.3	125	77-150
110-54-3	Hexane	50	56.3	113	65-147
98-82-8	Isopropylbenzene	50	55.5	111	82-133
99-87-6	p-Isopropyltoluene	50	55.6	111	82-132
108-10-1	4-Methyl-2-pentanone	250	201	80	69-125
126-98-7	Methacrylonitrile	500	411	82	70-138
74-83-9	Methyl bromide	50	54.8	110	60-146
74-87-3	Methyl chloride	50	53.5	107	58-163
74-88-4	Methyl iodide	50	40.2	80	66-128
80-62-6	Methyl methacrylate	50	43.2	86	73-125
74-95-3	Methylene bromide	50	45.9	92	75-128
75-09-2	Methylene chloride	50	42.1	84	62-140
78-93-3	Methyl ethyl ketone	250	146	58*	66-134
1634-04-4	Methyl Tert Butyl Ether	50	44.8	90	70-131
91-20-3	Naphthalene	50	49.5	99	59-143
76-01-7	Pentachloroethane	50	58.3	117	64-156
107-12-0	Propionitrile	500	387	77	73-133
103-65-1	n-Propylbenzene	50	53.2	106	78-129
100-42-5	Styrene	50	52.2	104	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	49.4	99	81-121
71-55-6	1,1,1-Trichloroethane	50	53.9	108	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	43.8	88	70-128
79-00-5	1,1,2-Trichloroethane	50	43.9	88	76-118
87-61-6	1,2,3-Trichlorobenzene	50	57.3	115	78-136
96-18-4	1,2,3-Trichloropropane	50	41.8	84	74-125
120-82-1	1,2,4-Trichlorobenzene	50	57.4	115	82-137

Blank Spike Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2059-BS	G0054403.D	1	11/26/08	MM	n/a	n/a	VG2059

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61660-1, F61660-3, F61660-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	54.0	108	77-129
108-67-8	1,3,5-Trimethylbenzene	50	54.1	108	79-129
127-18-4	Tetrachloroethylene	50	53.6	107	79-132
108-88-3	Toluene	50	50.3	101	80-123
79-01-6	Trichloroethylene	50	50.7	101	78-132
75-69-4	Trichlorofluoromethane	50	50.0	100	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	89.0	178*	74-138
75-01-4	Vinyl chloride	50	49.9	100	60-145
108-05-4	Vinyl Acetate	250	264	106	25-164
	m,p-Xylene	100	105	105	82-128
95-47-6	o-Xylene	50	52.0	104	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	80-121%
2037-26-5	Toluene-D8	97%	71-130%
460-00-4	4-Bromofluorobenzene	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	95%	77-123%

Blank Spike Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2060-BS	G0054439.D	1	11/28/08	MM	n/a	n/a	VG2060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61660-2, F61660-5, F61660-6, F61660-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	123	49*	61-144
75-05-8	Acetonitrile	500	317	63	59-139
107-02-8	Acrolein	250	59.3	24*	27-156
107-13-1	Acrylonitrile	250	219	88	55-144
107-05-1	Allyl chloride	50	50.9	102	41-152
71-43-2	Benzene	50	53.9	108	78-130
100-44-7	Benzyl Chloride	50	43.4	87	74-130
108-86-1	Bromobenzene	50	54.7	109	78-123
74-97-5	Bromochloromethane	50	45.7	91	72-122
75-27-4	Bromodichloromethane	50	48.7	97	73-122
75-25-2	Bromoform	50	43.4	87	70-139
104-51-8	n-Butylbenzene	50	52.1	104	80-138
135-98-8	sec-Butylbenzene	50	54.8	110	82-132
98-06-6	tert-Butylbenzene	50	55.7	111	79-130
108-90-7	Chlorobenzene	50	52.3	105	83-122
75-00-3	Chloroethane	50	64.8	130	61-153
67-66-3	Chloroform	50	54.3	109	79-129
544-10-5	1-Chlorohexane	50	50.2	100	85-137
95-49-8	o-Chlorotoluene	50	53.5	107	77-123
106-43-4	p-Chlorotoluene	50	54.1	108	78-129
110-75-8	2-Chloroethyl vinyl ether	250	254	102	52-142
75-15-0	Carbon disulfide	50	42.5	85	61-142
56-23-5	Carbon tetrachloride	50	60.1	120	79-135
75-34-3	1,1-Dichloroethane	50	55.9	112	77-132
75-35-4	1,1-Dichloroethylene	50	50.4	101	66-132
563-58-6	1,1-Dichloropropene	50	55.9	112	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	41.5	83	67-129
106-93-4	1,2-Dibromoethane	50	45.0	90	77-126
107-06-2	1,2-Dichloroethane	50	47.7	95	78-129
78-87-5	1,2-Dichloropropane	50	49.0	98	74-127
142-28-9	1,3-Dichloropropane	50	43.4	87	78-118
594-20-7	2,2-Dichloropropane	50	57.7	115	80-137
124-48-1	Dibromochloromethane	50	48.9	98	78-117
75-71-8	Dichlorodifluoromethane	50	58.4	117	35-162
156-59-2	cis-1,2-Dichloroethylene	50	49.2	98	74-123
10061-01-5	cis-1,3-Dichloropropene	50	48.0	96	79-130

Blank Spike Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2060-BS	G0054439.D	1	11/28/08	MM	n/a	n/a	VG2060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61660-2, F61660-5, F61660-6, F61660-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	48.0	96	71-126
541-73-1	m-Dichlorobenzene	50	52.7	105	82-126
95-50-1	o-Dichlorobenzene	50	51.0	102	83-123
106-46-7	p-Dichlorobenzene	50	54.3	109	84-124
156-60-5	trans-1,2-Dichloroethylene	50	53.8	108	77-129
10061-02-6	trans-1,3-Dichloropropene	50	49.6	99	87-131
100-41-4	Ethylbenzene	50	54.1	108	82-124
97-63-2	Ethyl methacrylate	50	43.6	87	78-118
76-13-1	Freon 113	50	37.1	74	62-147
591-78-6	2-Hexanone	250	181	72	67-130
87-68-3	Hexachlorobutadiene	50	66.5	133	77-150
110-54-3	Hexane	50	63.0	126	65-147
98-82-8	Isopropylbenzene	50	55.6	111	82-133
99-87-6	p-Isopropyltoluene	50	55.6	111	82-132
108-10-1	4-Methyl-2-pentanone	250	205	82	69-125
126-98-7	Methacrylonitrile	500	408	82	70-138
74-83-9	Methyl bromide	50	72.1	144	60-146
74-87-3	Methyl chloride	50	52.5	105	58-163
74-88-4	Methyl iodide	50	38.1	76	66-128
80-62-6	Methyl methacrylate	50	42.1	84	73-125
74-95-3	Methylene bromide	50	49.3	99	75-128
75-09-2	Methylene chloride	50	42.4	85	62-140
78-93-3	Methyl ethyl ketone	250	145	58*	66-134
1634-04-4	Methyl Tert Butyl Ether	50	44.4	89	70-131
91-20-3	Naphthalene	50	43.3	87	59-143
76-01-7	Pentachloroethane	50	60.3	121	64-156
107-12-0	Propionitrile	500	378	76	73-133
103-65-1	n-Propylbenzene	50	54.5	109	78-129
100-42-5	Styrene	50	51.4	103	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	50.8	102	81-121
71-55-6	1,1,1-Trichloroethane	50	59.5	119	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	45.8	92	70-128
79-00-5	1,1,2-Trichloroethane	50	46.8	94	76-118
87-61-6	1,2,3-Trichlorobenzene	50	47.1	94	78-136
96-18-4	1,2,3-Trichloropropane	50	43.1	86	74-125
120-82-1	1,2,4-Trichlorobenzene	50	55.4	111	82-137

Blank Spike Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2060-BS	G0054439.D	1	11/28/08	MM	n/a	n/a	VG2060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61660-2, F61660-5, F61660-6, F61660-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	54.7	109	77-129
108-67-8	1,3,5-Trimethylbenzene	50	54.8	110	79-129
127-18-4	Tetrachloroethylene	50	60.0	120	79-132
108-88-3	Toluene	50	52.9	106	80-123
79-01-6	Trichloroethylene	50	55.5	111	78-132
75-69-4	Trichlorofluoromethane	50	58.3	117	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	82.4	165*	74-138
75-01-4	Vinyl chloride	50	54.6	109	60-145
108-05-4	Vinyl Acetate	250	320	128	25-164
	m,p-Xylene	100	107	107	82-128
95-47-6	o-Xylene	50	51.5	103	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	104%	80-121%
2037-26-5	Toluene-D8	99%	71-130%
460-00-4	4-Bromofluorobenzene	100%	59-148%
17060-07-0	1,2-Dichloroethane-D4	103%	77-123%

Blank Spike Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2061-BS	G0054473.D	1	12/01/08	MM	n/a	n/a	VG2061

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61660-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	139	56*	61-144
75-05-8	Acetonitrile	500	391	78	59-139
107-02-8	Acrolein	250	76.6	31	27-156
107-13-1	Acrylonitrile	250	217	87	55-144
107-05-1	Allyl chloride	50	61.4	123	41-152
71-43-2	Benzene	50	55.1	110	78-130
100-44-7	Benzyl Chloride	50	37.3	75	74-130
108-86-1	Bromobenzene	50	53.4	107	78-123
74-97-5	Bromochloromethane	50	44.6	89	72-122
75-27-4	Bromodichloromethane	50	49.6	99	73-122
75-25-2	Bromoform	50	37.9	76	70-139
104-51-8	n-Butylbenzene	50	57.5	115	80-138
135-98-8	sec-Butylbenzene	50	58.5	117	82-132
98-06-6	tert-Butylbenzene	50	56.2	112	79-130
108-90-7	Chlorobenzene	50	53.1	106	83-122
75-00-3	Chloroethane	50	53.0	106	61-153
67-66-3	Chloroform	50	56.1	112	79-129
544-10-5	1-Chlorohexane	50	54.5	109	85-137
95-49-8	o-Chlorotoluene	50	56.0	112	77-123
106-43-4	p-Chlorotoluene	50	55.5	111	78-129
110-75-8	2-Chloroethyl vinyl ether	250	270	108	52-142
75-15-0	Carbon disulfide	50	42.7	85	61-142
56-23-5	Carbon tetrachloride	50	56.0	112	79-135
75-34-3	1,1-Dichloroethane	50	56.4	113	77-132
75-35-4	1,1-Dichloroethylene	50	50.0	100	66-132
563-58-6	1,1-Dichloropropene	50	52.6	105	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	37.0	74	67-129
106-93-4	1,2-Dibromoethane	50	43.5	87	77-126
107-06-2	1,2-Dichloroethane	50	46.5	93	78-129
78-87-5	1,2-Dichloropropane	50	49.9	100	74-127
142-28-9	1,3-Dichloropropane	50	44.4	89	78-118
594-20-7	2,2-Dichloropropane	50	58.3	117	80-137
124-48-1	Dibromochloromethane	50	40.5	81	78-117
75-71-8	Dichlorodifluoromethane	50	36.1	72	35-162
156-59-2	cis-1,2-Dichloroethylene	50	51.1	102	74-123
10061-01-5	cis-1,3-Dichloropropene	50	49.4	99	79-130

Blank Spike Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2061-BS	G0054473.D	1	12/01/08	MM	n/a	n/a	VG2061

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61660-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	46.1	92	71-126
541-73-1	m-Dichlorobenzene	50	55.7	111	82-126
95-50-1	o-Dichlorobenzene	50	53.6	107	83-123
106-46-7	p-Dichlorobenzene	50	55.3	111	84-124
156-60-5	trans-1,2-Dichloroethylene	50	53.7	107	77-129
10061-02-6	trans-1,3-Dichloropropene	50	51.9	104	87-131
100-41-4	Ethylbenzene	50	53.1	106	82-124
97-63-2	Ethyl methacrylate	50	35.1	70*	78-118
76-13-1	Freon 113	50	44.7	89	62-147
591-78-6	2-Hexanone	250	178	71	67-130
87-68-3	Hexachlorobutadiene	50	62.5	125	77-150
110-54-3	Hexane	50	55.2	110	65-147
99-87-6	p-Isopropyltoluene	50	58.4	117	82-132
108-10-1	4-Methyl-2-pentanone	250	190	76	69-125
126-98-7	Methacrylonitrile	500	431	86	70-138
74-83-9	Methyl bromide	50	52.1	104	60-146
74-87-3	Methyl chloride	50	45.1	90	58-163
74-88-4	Methyl iodide	50	42.3	85	66-128
80-62-6	Methyl methacrylate	50	39.8	80	73-125
74-95-3	Methylene bromide	50	45.4	91	75-128
75-09-2	Methylene chloride	50	55.6	111	62-140
78-93-3	Methyl ethyl ketone	250	167	67	66-134
1634-04-4	Methyl Tert Butyl Ether	50	41.6	83	70-131
91-20-3	Naphthalene	50	43.1	86	59-143
76-01-7	Pentachloroethane	50	57.3	115	64-156
107-12-0	Propionitrile	500	402	80	73-133
103-65-1	n-Propylbenzene	50	56.8	114	78-129
100-42-5	Styrene	50	48.0	96	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	50.2	100	81-121
71-55-6	1,1,1-Trichloroethane	50	55.4	111	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	44.6	89	70-128
79-00-5	1,1,2-Trichloroethane	50	44.4	89	76-118
87-61-6	1,2,3-Trichlorobenzene	50	52.4	105	78-136
96-18-4	1,2,3-Trichloropropane	50	41.6	83	74-125
120-82-1	1,2,4-Trichlorobenzene	50	54.6	109	82-137
95-63-6	1,2,4-Trimethylbenzene	50	56.9	114	77-129

Blank Spike Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2061-BS	G0054473.D	1	12/01/08	MM	n/a	n/a	VG2061

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61660-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-67-8	1,3,5-Trimethylbenzene	50	56.8	114	79-129
127-18-4	Tetrachloroethylene	50	55.9	112	79-132
108-88-3	Toluene	50	53.2	106	80-123
79-01-6	Trichloroethylene	50	53.5	107	78-132
75-69-4	Trichlorofluoromethane	50	47.1	94	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	78.6	157*	74-138
75-01-4	Vinyl chloride	50	42.9	86	60-145
108-05-4	Vinyl Acetate	250	227	91	25-164
	m,p-Xylene	100	111	111	82-128
95-47-6	o-Xylene	50	54.0	108	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	80-121%
2037-26-5	Toluene-D8	96%	71-130%
460-00-4	4-Bromofluorobenzene	96%	59-148%
17060-07-0	1,2-Dichloroethane-D4	96%	77-123%

Blank Spike Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2062-BS	G0054526.D	1	12/02/08	MM	n/a	n/a	VG2062

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61660-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	181	72	61-144
75-05-8	Acetonitrile	500	445	89	59-139
107-02-8	Acrolein	250	74.2	30	27-156
107-13-1	Acrylonitrile	250	251	100	55-144
107-05-1	Allyl chloride	50	49.4	99	41-152
71-43-2	Benzene	50	53.5	107	78-130
100-44-7	Benzyl Chloride	50	45.1	90	74-130
108-86-1	Bromobenzene	50	56.1	112	78-123
74-97-5	Bromochloromethane	50	44.5	89	72-122
75-27-4	Bromodichloromethane	50	50.5	101	73-122
75-25-2	Bromoform	50	48.2	96	70-139
104-51-8	n-Butylbenzene	50	57.5	115	80-138
135-98-8	sec-Butylbenzene	50	60.1	120	82-132
98-06-6	tert-Butylbenzene	50	58.4	117	79-130
108-90-7	Chlorobenzene	50	53.7	107	83-122
75-00-3	Chloroethane	50	45.3	91	61-153
67-66-3	Chloroform	50	53.2	106	79-129
544-10-5	1-Chlorohexane	50	48.4	97	85-137
95-49-8	o-Chlorotoluene	50	58.6	117	77-123
106-43-4	p-Chlorotoluene	50	56.6	113	78-129
110-75-8	2-Chloroethyl vinyl ether	250	316	126	52-142
75-15-0	Carbon disulfide	50	41.2	82	61-142
56-23-5	Carbon tetrachloride	50	49.6	99	79-135
75-34-3	1,1-Dichloroethane	50	52.3	105	77-132
75-35-4	1,1-Dichloroethylene	50	46.4	93	66-132
563-58-6	1,1-Dichloropropene	50	50.1	100	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	49.7	99	67-129
106-93-4	1,2-Dibromoethane	50	47.3	95	77-126
107-06-2	1,2-Dichloroethane	50	48.6	97	78-129
78-87-5	1,2-Dichloropropane	50	52.1	104	74-127
142-28-9	1,3-Dichloropropane	50	49.0	98	78-118
594-20-7	2,2-Dichloropropane	50	55.2	110	80-137
124-48-1	Dibromochloromethane	50	50.4	101	78-117
75-71-8	Dichlorodifluoromethane	50	33.7	67	35-162
156-59-2	cis-1,2-Dichloroethylene	50	50.4	101	74-123
10061-01-5	cis-1,3-Dichloropropene	50	52.2	104	79-130

Blank Spike Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2062-BS	G0054526.D	1	12/02/08	MM	n/a	n/a	VG2062

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61660-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	46.7	93	71-126
541-73-1	m-Dichlorobenzene	50	55.3	111	82-126
95-50-1	o-Dichlorobenzene	50	54.7	109	83-123
106-46-7	p-Dichlorobenzene	50	56.9	114	84-124
156-60-5	trans-1,2-Dichloroethylene	50	50.5	101	77-129
10061-02-6	trans-1,3-Dichloropropene	50	57.2	114	87-131
100-41-4	Ethylbenzene	50	53.8	108	82-124
97-63-2	Ethyl methacrylate	50	46.5	93	78-118
76-13-1	Freon 113	50	28.1	56*	62-147
591-78-6	2-Hexanone	250	229	92	67-130
87-68-3	Hexachlorobutadiene	50	56.8	114	77-150
110-54-3	Hexane	50	52.8	106	65-147
99-87-6	p-Isopropyltoluene	50	58.6	117	82-132
108-10-1	4-Methyl-2-pentanone	250	235	94	69-125
126-98-7	Methacrylonitrile	500	453	91	70-138
74-83-9	Methyl bromide	50	49.5	99	60-146
74-87-3	Methyl chloride	50	43.9	88	58-163
74-88-4	Methyl iodide	50	40.6	81	66-128
80-62-6	Methyl methacrylate	50	45.0	90	73-125
74-95-3	Methylene bromide	50	50.9	102	75-128
75-09-2	Methylene chloride	50	49.8	100	62-140
78-93-3	Methyl ethyl ketone	250	204	82	66-134
1634-04-4	Methyl Tert Butyl Ether	50	46.1	92	70-131
91-20-3	Naphthalene	50	54.3	109	59-143
76-01-7	Pentachloroethane	50	57.1	114	64-156
107-12-0	Propionitrile	500	432	86	73-133
103-65-1	n-Propylbenzene	50	57.6	115	78-129
100-42-5	Styrene	50	51.5	103	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	53.9	108	81-121
71-55-6	1,1,1-Trichloroethane	50	52.2	104	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	51.9	104	70-128
79-00-5	1,1,2-Trichloroethane	50	50.7	101	76-118
87-61-6	1,2,3-Trichlorobenzene	50	59.6	119	78-136
96-18-4	1,2,3-Trichloropropane	50	48.0	96	74-125
120-82-1	1,2,4-Trichlorobenzene	50	56.8	114	82-137
95-63-6	1,2,4-Trimethylbenzene	50	57.0	114	77-129

Blank Spike Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2062-BS	G0054526.D	1	12/02/08	MM	n/a	n/a	VG2062

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61660-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-67-8	1,3,5-Trimethylbenzene	50	58.1	116	79-129
127-18-4	Tetrachloroethylene	50	54.8	110	79-132
108-88-3	Toluene	50	53.4	107	80-123
79-01-6	Trichloroethylene	50	53.0	106	78-132
75-69-4	Trichlorofluoromethane	50	42.4	85	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	104	208*	74-138
75-01-4	Vinyl chloride	50	38.7	77	60-145
108-05-4	Vinyl Acetate	250	355	142	25-164
	m,p-Xylene	100	113	113	82-128
95-47-6	o-Xylene	50	56.0	112	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	80-121%
2037-26-5	Toluene-D8	98%	71-130%
460-00-4	4-Bromofluorobenzene	101%	59-148%
17060-07-0	1,2-Dichloroethane-D4	91%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61622-7MS	G0054412.D	1	11/26/08	MM	n/a	n/a	VG2059
F61622-7MSD	G0054413.D	1	11/26/08	MM	n/a	n/a	VG2059
F61622-7	G0054407.D	1	11/26/08	MM	n/a	n/a	VG2059

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61660-1, F61660-3, F61660-4

CAS No.	Compound	F61622-7 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		327	133	41*	137	42*	3	61-144/29
75-05-8	Acetonitrile	ND		654	474	73	452	69	5	59-139/30
107-02-8	Acrolein	ND		327	15.7	5*	14.6	4*	7	27-156/39
107-13-1	Acrylonitrile	ND		327	193	59	187	57	3	55-144/24
107-05-1	Allyl chloride	ND		65.4	ND	0*	ND	0*	nc	41-152/24
71-43-2	Benzene	ND		65.4	70.4	108	66.9	103	5	78-130/25
100-44-7	Benzyl Chloride	ND		65.4	41.2	63*	39.5	61*	4	74-130/28
108-86-1	Bromobenzene	ND		65.4	66.1	101	63.6	98	4	78-123/30
74-97-5	Bromochloromethane	ND		65.4	57.0	87	55.7	85	2	72-122/23
75-27-4	Bromodichloromethane	ND		65.4	62.4	95	58.1	89	7	73-122/25
75-25-2	Bromoform	ND		65.4	57.4	88	46.9	72	20	70-139/26
104-51-8	n-Butylbenzene	ND		65.4	66.2	101	64.5	99	3	80-138/31
135-98-8	sec-Butylbenzene	ND		65.4	68.5	105	66.4	102	3	82-132/29
98-06-6	tert-Butylbenzene	ND		65.4	70.3	108	68.6	105	2	79-130/29
108-90-7	Chlorobenzene	ND		65.4	68.6	105	65.2	100	5	83-122/23
75-00-3	Chloroethane	ND		65.4	78.6	120	75.0	115	5	61-153/31
67-66-3	Chloroform	ND		65.4	69.3	106	67.1	103	3	79-129/27
544-10-5	1-Chlorohexane	ND		65.4	64.6	99	61.3	94	5	85-137/29
95-49-8	o-Chlorotoluene	ND		65.4	68.4	105	64.2	98	6	77-123/31
106-43-4	p-Chlorotoluene	ND		65.4	68.5	105	65.3	100	5	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		327	343	105	342	105	0	52-142/25
75-15-0	Carbon disulfide	ND		65.4	58.4	89	55.2	85	6	61-142/27
56-23-5	Carbon tetrachloride	ND		65.4	75.3	115	71.0	109	6	79-135/29
75-34-3	1,1-Dichloroethane	ND		65.4	67.9	104	65.1	100	4	77-132/26
75-35-4	1,1-Dichloroethylene	ND		65.4	69.5	106	66.7	102	4	66-132/27
563-58-6	1,1-Dichloropropene	ND		65.4	70.3	108	69.3	106	1	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		65.4	57.3	88	59.7	92	4	67-129/29
106-93-4	1,2-Dibromoethane	ND		65.4	58.5	89	58.1	89	1	77-126/24
107-06-2	1,2-Dichloroethane	15.9		65.4	62.9	72*	61.1	69*	3	78-129/24
78-87-5	1,2-Dichloropropane	ND		65.4	65.7	101	63.1	97	4	74-127/27
142-28-9	1,3-Dichloropropane	ND		65.4	59.6	91	57.4	88	4	78-118/26
594-20-7	2,2-Dichloropropane	ND		65.4	65.3	100	62.5	96	4	80-137/28
124-48-1	Dibromochloromethane	ND		65.4	61.9	95	60.3	92	3	78-117/27
75-71-8	Dichlorodifluoromethane	ND		65.4	77.6	119	75.5	116	3	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		65.4	62.2	95	60.5	93	3	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		65.4	61.2	94	60.5	93	1	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61622-7MS	G0054412.D	1	11/26/08	MM	n/a	n/a	VG2059
F61622-7MSD	G0054413.D	1	11/26/08	MM	n/a	n/a	VG2059
F61622-7	G0054407.D	1	11/26/08	MM	n/a	n/a	VG2059

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61660-1, F61660-3, F61660-4

CAS No.	Compound	F61622-7 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		65.4	ND	0*	ND	0*	nc	71-126/28
541-73-1	m-Dichlorobenzene	ND		65.4	68.7	105	65.4	100	5	82-126/29
95-50-1	o-Dichlorobenzene	ND		65.4	67.3	103	64.8	99	4	83-123/28
106-46-7	p-Dichlorobenzene	ND		65.4	68.7	105	66.5	102	3	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		65.4	68.3	104	67.0	103	2	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		65.4	65.1	100	64.0	98	2	87-131/27
100-41-4	Ethylbenzene	ND		65.4	72.5	111	68.0	104	6	82-124/25
97-63-2	Ethyl methacrylate	ND		65.4	ND	0*	ND	0*	nc	78-118/30
76-13-1	Freon 113	ND		65.4	73.0	112	63.0	97	15	62-147/29
591-78-6	2-Hexanone	ND		327	210	64*	210	64*	0	67-130/29
87-68-3	Hexachlorobutadiene	ND		65.4	72.1	110	72.2	111	0	77-150/36
110-54-3	Hexane	ND		65.4	68.7	105	60.0	92	14	65-147/27
98-82-8	Isopropylbenzene	ND		65.4	77.1	118	72.9	112	6	82-133/27
99-87-6	p-Isopropyltoluene	ND		65.4	70.5	108	68.0	104	4	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		327	278	85	280	86	1	69-125/24
126-98-7	Methacrylonitrile	ND		654	32.4	5*	30.6	5*	6	70-138/22
74-83-9	Methyl bromide	ND		65.4	89.3	137	91.6	140	3	60-146/31
74-87-3	Methyl chloride	ND		65.4	71.3	109	68.7	105	4	58-163/26
74-88-4	Methyl iodide	ND		65.4	54.1	83	50.9	78	6	66-128/27
80-62-6	Methyl methacrylate	ND		65.4	53.4	82	53.9	83	1	73-125/24
74-95-3	Methylene bromide	ND		65.4	61.0	93	61.2	94	0	75-128/26
75-09-2	Methylene chloride	5.3	J	65.4	67.6	95	72.5	103	7	62-140/25
78-93-3	Methyl ethyl ketone	ND		327	165	50*	162	50*	2	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		65.4	59.2	91	58.2	89	2	70-131/25
91-20-3	Naphthalene	ND		65.4	63.8	98	64.6	99	1	59-143/31
76-01-7	Pentachloroethane	ND		65.4	ND	0*	ND	0*	nc	64-156/37
107-12-0	Propionitrile	ND		654	ND	0*	ND	0*	nc	73-133/23
103-65-1	n-Propylbenzene	ND		65.4	66.7	102	64.3	99	4	78-129/29
100-42-5	Styrene	ND		65.4	70.3	108	64.1	98	9	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		65.4	66.4	102	61.5	94	8	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		65.4	72.1	110	71.3	109	1	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		65.4	57.8	88	60.3	92	4	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		65.4	61.6	94	61.1	94	1	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		65.4	70.0	107	70.2	108	0	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		65.4	54.0	83	53.9	83	0	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		65.4	71.2	109	70.5	108	1	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61622-7MS	G0054412.D	1	11/26/08	MM	n/a	n/a	VG2059
F61622-7MSD	G0054413.D	1	11/26/08	MM	n/a	n/a	VG2059
F61622-7	G0054407.D	1	11/26/08	MM	n/a	n/a	VG2059

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61660-1, F61660-3, F61660-4

CAS No.	Compound	F61622-7 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		65.4	71.3	109	67.7	104	5	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		65.4	69.1	106	65.7	101	5	79-129/31
127-18-4	Tetrachloroethylene	ND		65.4	71.0	109	67.8	104	5	79-132/27
108-88-3	Toluene	ND		65.4	69.8	107	66.6	102	5	80-123/26
79-01-6	Trichloroethylene	ND		65.4	72.9	112	67.9	104	7	78-132/28
75-69-4	Trichlorofluoromethane	ND		65.4	71.7	110	69.2	106	4	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		65.4	101	155*	96.0	147*	5	74-138/30
75-01-4	Vinyl chloride	ND		65.4	73.9	113	70.6	108	5	60-145/29
108-05-4	Vinyl Acetate	ND		327	34.1	10*	17.7	5*	63*	25-164/35
	m,p-Xylene	ND		131	146	112	137	105	6	82-128/25
95-47-6	o-Xylene	ND		65.4	72.7	111	67.5	103	7	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61622-7	Limits
1868-53-7	Dibromofluoromethane	99%	102%	102%	80-121%
2037-26-5	Toluene-D8	101%	100%	94%	71-130%
460-00-4	4-Bromofluorobenzene	93%	93%	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	98%	101%	114%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61590-1MS	G0054440.D	1	11/28/08	MM	n/a	n/a	VG2060
F61590-1MSD	G0054441.D	1	11/28/08	MM	n/a	n/a	VG2060
F61590-1	G0054438.D	1	11/28/08	MM	n/a	n/a	VG2060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61660-2, F61660-5, F61660-6, F61660-7

CAS No.	Compound	F61590-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		338	193	57*	153	45*	23	61-144/29
75-05-8	Acetonitrile	ND		676	490	73	464	69	5	59-139/30
107-02-8	Acrolein	ND		338	69.6	21*	84.3	25*	19	27-156/39
107-13-1	Acrylonitrile	ND		338	303	90	279	83	8	55-144/24
107-05-1	Allyl chloride	ND		67.6	70.4	104	65.0	97	8	41-152/24
71-43-2	Benzene	ND		67.6	75.2	111	70.9	105	6	78-130/25
100-44-7	Benzyl Chloride	ND		67.6	56.6	84	54.4	81	4	74-130/28
108-86-1	Bromobenzene	ND		67.6	73.8	109	69.0	103	7	78-123/30
74-97-5	Bromochloromethane	ND		67.6	65.1	96	58.8	87	10	72-122/23
75-27-4	Bromodichloromethane	ND		67.6	69.0	102	64.1	95	7	73-122/25
75-25-2	Bromoform	ND		67.6	63.2	94	57.4	85	10	70-139/26
104-51-8	n-Butylbenzene	ND		67.6	73.1	108	69.5	103	5	80-138/31
135-98-8	sec-Butylbenzene	ND		67.6	73.2	108	70.5	105	4	82-132/29
98-06-6	tert-Butylbenzene	ND		67.6	73.9	109	72.0	107	3	79-130/29
108-90-7	Chlorobenzene	ND		67.6	72.3	107	67.3	100	7	83-122/23
75-00-3	Chloroethane	ND		67.6	88.1	130	80.5	120	9	61-153/31
67-66-3	Chloroform	ND		67.6	77.4	115	70.5	105	9	79-129/27
544-10-5	1-Chlorohexane	ND		67.6	68.2	101	64.1	95	6	85-137/29
95-49-8	o-Chlorotoluene	ND		67.6	73.0	108	69.5	103	5	77-123/31
106-43-4	p-Chlorotoluene	ND		67.6	72.2	107	70.1	104	3	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		338	376	111	341	101	10	52-142/25
75-15-0	Carbon disulfide	ND		67.6	55.2	82	51.7	77	7	61-142/27
56-23-5	Carbon tetrachloride	ND		67.6	82.2	122	75.5	112	8	79-135/29
75-34-3	1,1-Dichloroethane	ND		67.6	76.9	114	72.0	107	7	77-132/26
75-35-4	1,1-Dichloroethylene	ND		67.6	68.3	101	62.5	93	9	66-132/27
563-58-6	1,1-Dichloropropene	ND		67.6	76.9	114	71.0	106	8	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		67.6	60.1	89	58.5	87	3	67-129/29
106-93-4	1,2-Dibromoethane	ND		67.6	62.5	92	56.5	84	10	77-126/24
107-06-2	1,2-Dichloroethane	ND		67.6	66.4	98	63.4	94	5	78-129/24
78-87-5	1,2-Dichloropropane	ND		67.6	67.9	100	64.5	96	5	74-127/27
142-28-9	1,3-Dichloropropane	ND		67.6	62.8	93	59.1	88	6	78-118/26
594-20-7	2,2-Dichloropropane	ND		67.6	76.3	113	71.5	106	6	80-137/28
124-48-1	Dibromochloromethane	ND		67.6	67.8	100	63.4	94	7	78-117/27
75-71-8	Dichlorodifluoromethane	ND		67.6	78.9	117	71.4	106	10	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		67.6	66.5	98	64.6	96	3	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		67.6	69.3	103	63.6	95	9	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61590-1MS	G0054440.D	1	11/28/08	MM	n/a	n/a	VG2060
F61590-1MSD	G0054441.D	1	11/28/08	MM	n/a	n/a	VG2060
F61590-1	G0054438.D	1	11/28/08	MM	n/a	n/a	VG2060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61660-2, F61660-5, F61660-6, F61660-7

CAS No.	Compound	F61590-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		67.6	67.5	100	64.6	96	4	71-126/28
541-73-1	m-Dichlorobenzene	ND		67.6	77.6	115	70.1	104	10	82-126/29
95-50-1	o-Dichlorobenzene	ND		67.6	72.5	107	69.6	103	4	83-123/28
106-46-7	p-Dichlorobenzene	ND		67.6	74.6	110	70.8	105	5	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		67.6	77.4	115	70.4	105	9	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		67.6	73.3	108	64.1	95	13	87-131/27
100-41-4	Ethylbenzene	ND		67.6	73.7	109	69.7	104	6	82-124/25
97-63-2	Ethyl methacrylate	ND		67.6	64.6	96	56.7	84	13	78-118/30
76-13-1	Freon 113	ND		67.6	49.6	73	43.0	64	14	62-147/29
591-78-6	2-Hexanone	ND		338	270	80	237	70	13	67-130/29
87-68-3	Hexachlorobutadiene	ND		67.6	86.8	128	80.6	120	7	77-150/36
110-54-3	Hexane	ND		67.6	87.6	130	80.6	120	8	65-147/27
98-82-8	Isopropylbenzene	ND		67.6	74.7	111	73.8	110	1	82-133/27
99-87-6	p-Isopropyltoluene	ND		67.6	75.4	112	71.6	106	5	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		338	314	93	277	82	13	69-125/24
126-98-7	Methacrylonitrile	ND		676	614	91	552	82	11	70-138/22
74-83-9	Methyl bromide	ND		67.6	104	154*	89.2	133	15	60-146/31
74-87-3	Methyl chloride	ND		67.6	73.2	108	68.9	102	6	58-163/26
74-88-4	Methyl iodide	ND		67.6	51.0	75	47.7	71	7	66-128/27
80-62-6	Methyl methacrylate	ND		67.6	64.6	96	59.4	88	8	73-125/24
74-95-3	Methylene bromide	ND		67.6	68.9	102	62.2	92	10	75-128/26
75-09-2	Methylene chloride	5.5	J	67.6	55.3	74	53.2	71	4	62-140/25
78-93-3	Methyl ethyl ketone	ND		338	225	67	194	58*	15	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		67.6	63.4	94	58.8	87	8	70-131/25
91-20-3	Naphthalene	ND		67.6	65.2	96	59.9	89	8	59-143/31
76-01-7	Pentachloroethane	ND		67.6	83.4	123	76.3	113	9	64-156/37
107-12-0	Propionitrile	ND		676	562	83	515	77	9	73-133/23
103-65-1	n-Propylbenzene	ND		67.6	73.1	108	71.3	106	2	78-129/29
100-42-5	Styrene	ND		67.6	71.3	105	67.5	100	5	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		67.6	71.2	105	67.7	101	5	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		67.6	80.9	120	74.3	110	9	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		67.6	63.4	94	61.9	92	2	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		67.6	66.8	99	61.0	91	9	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		67.6	72.1	107	66.1	98	9	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		67.6	61.3	91	56.9	85	7	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		67.6	79.8	118	75.9	113	5	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61590-1MS	G0054440.D	1	11/28/08	MM	n/a	n/a	VG2060
F61590-1MSD	G0054441.D	1	11/28/08	MM	n/a	n/a	VG2060
F61590-1	G0054438.D	1	11/28/08	MM	n/a	n/a	VG2060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61660-2, F61660-5, F61660-6, F61660-7

CAS No.	Compound	F61590-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		67.6	75.6	112	70.1	104	8	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		67.6	74.6	110	69.9	104	7	79-129/31
127-18-4	Tetrachloroethylene	ND		67.6	79.9	118	75.6	112	6	79-132/27
108-88-3	Toluene	ND		67.6	72.3	107	67.8	101	6	80-123/26
79-01-6	Trichloroethylene	ND		67.6	75.8	112	70.4	105	7	78-132/28
75-69-4	Trichlorofluoromethane	ND		67.6	78.2	116	70.3	104	11	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		67.6	123	182*	116	172*	6	74-138/30
75-01-4	Vinyl chloride	ND		67.6	74.5	110	66.6	99	11	60-145/29
108-05-4	Vinyl Acetate	ND		338	437	129	401	119	9	25-164/35
	m,p-Xylene	ND		135	149	110	139	103	7	82-128/25
95-47-6	o-Xylene	ND		67.6	70.7	105	68.5	102	3	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61590-1	Limits
1868-53-7	Dibromofluoromethane	104%	103%	110%	80-121%
2037-26-5	Toluene-D8	98%	98%	97%	71-130%
460-00-4	4-Bromofluorobenzene	98%	99%	102%	59-148%
17060-07-0	1,2-Dichloroethane-D4	100%	97%	113%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61708-1MS	G0054476.D	1	12/01/08	MM	n/a	n/a	VG2061
F61708-1MSD	G0054477.D	1	12/01/08	MM	n/a	n/a	VG2061
F61708-1	G0054475.D	1	12/01/08	MM	n/a	n/a	VG2061

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61660-5

CAS No.	Compound	F61708-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		281	124	44*	172	62	32*	61-144/29
75-05-8	Acetonitrile	ND		562	379	67	486	87	25	59-139/30
107-02-8	Acrolein	ND		281	12.3	4*	ND	0*	200*	27-156/39
107-13-1	Acrylonitrile	ND		281	254	90	314	112	21	55-144/24
107-05-1	Allyl chloride	ND		56.2	50.3	89	51.4	92	2	41-152/24
71-43-2	Benzene	ND		56.2	63.4	113	66.9	120	5	78-130/25
100-44-7	Benzyl Chloride	ND		56.2	34.8	62*	34.0	61*	2	74-130/28
108-86-1	Bromobenzene	ND		56.2	64.5	115	70.4	126*	9	78-123/30
74-97-5	Bromochloromethane	ND		56.2	53.8	96	58.0	104	8	72-122/23
75-27-4	Bromodichloromethane	ND		56.2	56.1	100	58.4	104	4	73-122/25
75-25-2	Bromoform	ND		56.2	52.7	94	52.9	95	0	70-139/26
104-51-8	n-Butylbenzene	ND		56.2	64.7	115	68.6	123	6	80-138/31
135-98-8	sec-Butylbenzene	ND		56.2	67.5	120	73.7	132	9	82-132/29
98-06-6	tert-Butylbenzene	ND		56.2	66.5	118	72.0	129	8	79-130/29
108-90-7	Chlorobenzene	ND		56.2	63.6	113	66.7	119	5	83-122/23
75-00-3	Chloroethane	ND		56.2	62.2	111	73.9	132	17	61-153/31
67-66-3	Chloroform	ND		56.2	62.2	111	70.2	126	12	79-129/27
544-10-5	1-Chlorohexane	ND		56.2	64.7	115	66.2	118	2	85-137/29
95-49-8	o-Chlorotoluene	ND		56.2	64.9	115	69.5	124*	7	77-123/31
106-43-4	p-Chlorotoluene	ND		56.2	63.7	113	68.3	122	7	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		281	332	118	352	126	6	52-142/25
75-15-0	Carbon disulfide	ND		56.2	55.4	99	58.6	105	6	61-142/27
56-23-5	Carbon tetrachloride	ND		56.2	67.6	120	68.0	122	1	79-135/29
75-34-3	1,1-Dichloroethane	ND		56.2	63.6	113	66.7	119	5	77-132/26
75-35-4	1,1-Dichloroethylene	ND		56.2	61.3	109	63.5	114	4	66-132/27
563-58-6	1,1-Dichloropropene	ND		56.2	62.9	112	67.3	120	7	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		56.2	50.0	89	59.4	106	17	67-129/29
106-93-4	1,2-Dibromoethane	ND		56.2	55.4	99	58.7	105	6	77-126/24
107-06-2	1,2-Dichloroethane	ND		56.2	55.3	98	62.7	112	13	78-129/24
78-87-5	1,2-Dichloropropane	ND		56.2	58.2	103	64.1	115	10	74-127/27
142-28-9	1,3-Dichloropropane	ND		56.2	56.2	100	58.8	105	5	78-118/26
594-20-7	2,2-Dichloropropane	ND		56.2	53.2	95	47.4	85	12	80-137/28
124-48-1	Dibromochloromethane	ND		56.2	51.2	91	54.9	98	7	78-117/27
75-71-8	Dichlorodifluoromethane	ND		56.2	45.3	81	53.0	95	16	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		56.2	57.9	103	64.8	116	11	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		56.2	56.3	100	58.3	104	3	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61708-1MS	G0054476.D	1	12/01/08	MM	n/a	n/a	VG2061
F61708-1MSD	G0054477.D	1	12/01/08	MM	n/a	n/a	VG2061
F61708-1	G0054475.D	1	12/01/08	MM	n/a	n/a	VG2061

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61660-5

CAS No.	Compound	F61708-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		56.2	48.2	86	52.6	94	9	71-126/28
541-73-1	m-Dichlorobenzene	ND		56.2	65.8	117	68.9	123	5	82-126/29
95-50-1	o-Dichlorobenzene	ND		56.2	63.2	112	69.3	124*	9	83-123/28
106-46-7	p-Dichlorobenzene	ND		56.2	61.5	109	68.7	123	11	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		56.2	62.8	112	67.9	121	8	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		56.2	60.3	107	60.0	107	0	87-131/27
100-41-4	Ethylbenzene	ND		56.2	63.5	113	67.8	121	7	82-124/25
97-63-2	Ethyl methacrylate	ND		56.2	42.9	76*	49.0	88	13	78-118/30
76-13-1	Freon 113	ND		56.2	55.4	99	86.5	155*	44*	62-147/29
591-78-6	2-Hexanone	ND		281	218	78	252	90	14	67-130/29
87-68-3	Hexachlorobutadiene	ND		56.2	69.9	124	83.2	149	17	77-150/36
110-54-3	Hexane	ND		56.2	56.7	101	59.7	107	5	65-147/27
99-87-6	p-Isopropyltoluene	ND		56.2	65.0	116	72.4	129	11	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		281	260	92	300	107	14	69-125/24
126-98-7	Methacrylonitrile	ND		562	497	88	620	111	22	70-138/22
74-83-9	Methyl bromide	ND		56.2	62.1	110	65.5	117	5	60-146/31
74-87-3	Methyl chloride	ND		56.2	53.9	96	59.2	106	9	58-163/26
74-88-4	Methyl iodide	ND		56.2	51.5	92	56.3	101	9	66-128/27
80-62-6	Methyl methacrylate	ND		56.2	51.1	91	58.2	104	13	73-125/24
74-95-3	Methylene bromide	ND		56.2	53.2	95	62.2	111	16	75-128/26
75-09-2	Methylene chloride	5.7	JB	56.2	65.9	107	68.9	113	4	62-140/25
78-93-3	Methyl ethyl ketone	ND		281	170	60*	230	82	30*	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		56.2	51.2	91	50.6	90	1	70-131/25
91-20-3	Naphthalene	ND		56.2	54.9	98	57.1	102	4	59-143/31
76-01-7	Pentachloroethane	ND		56.2	55.0	98	54.3	97	1	64-156/37
107-12-0	Propionitrile	ND		562	454	81	597	107	27*	73-133/23
103-65-1	n-Propylbenzene	ND		56.2	66.8	119	71.7	128	7	78-129/29
100-42-5	Styrene	ND		56.2	56.3	100	57.2	102	2	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		56.2	63.5	113	63.4	113	0	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		56.2	66.6	118	74.1	133	11	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		56.2	56.5	100	66.5	119	16	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		56.2	56.6	101	63.1	113	11	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		56.2	61.6	110	68.7	123	11	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		56.2	49.1	87	55.7	100	13	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		56.2	65.3	116	65.3	117	0	82-137/32
95-63-6	1,2,4-Trimethylbenzene	ND		56.2	65.2	116	70.8	127	8	77-129/29

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61708-1MS	G0054476.D	1	12/01/08	MM	n/a	n/a	VG2061
F61708-1MSD	G0054477.D	1	12/01/08	MM	n/a	n/a	VG2061
F61708-1	G0054475.D	1	12/01/08	MM	n/a	n/a	VG2061

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61660-5

CAS No.	Compound	F61708-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
108-67-8	1,3,5-Trimethylbenzene	ND		56.2	65.3	116	70.8	127	8	79-129/31
127-18-4	Tetrachloroethylene	ND		56.2	75.7	135*	80.4	144*	6	79-132/27
108-88-3	Toluene	ND		56.2	62.9	112	66.3	119	5	80-123/26
79-01-6	Trichloroethylene	ND		56.2	62.9	112	68.7	123	9	78-132/28
75-69-4	Trichlorofluoromethane	ND		56.2	57.4	102	74.8	134	26	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		56.2	97.8	174*	94.9	170*	3	74-138/30
75-01-4	Vinyl chloride	ND		56.2	50.7	90	57.3	102	12	60-145/29
108-05-4	Vinyl Acetate	ND		281	66.0	23*	59.5	21*	10	25-164/35
	m,p-Xylene	ND		112	129	115	138	123	7	82-128/25
95-47-6	o-Xylene	ND		56.2	65.4	116	66.6	119	2	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61708-1	Limits
1868-53-7	Dibromofluoromethane	101%	108%	102%	80-121%
2037-26-5	Toluene-D8	100%	96%	93%	71-130%
460-00-4	4-Bromofluorobenzene	100%	100%	96%	59-148%
17060-07-0	1,2-Dichloroethane-D4	92%	105%	108%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61737-1MS	G0054529.D	1	12/02/08	MM	n/a	n/a	VG2062
F61737-1MSD	G0054530.D	1	12/02/08	MM	n/a	n/a	VG2062
F61737-1	G0054528.D	1	12/02/08	MM	n/a	n/a	VG2062

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61660-2

CAS No.	Compound	F61737-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	87.4		329	265	54*	236	44*	12	61-144/29
75-05-8	Acetonitrile	ND		657	582	89	587	87	1	59-139/30
107-02-8	Acrolein	ND		329	60.1	18*	47.3	14*	24	27-156/39
107-13-1	Acrylonitrile	ND		329	358	109	349	104	3	55-144/24
107-05-1	Allyl chloride	ND		65.7	59.6	91	62.1	93	4	41-152/24
71-43-2	Benzene	ND		65.7	68.0	103	63.5	95	7	78-130/25
100-44-7	Benzyl Chloride	ND		65.7	46.1	70*	50.1	75	8	74-130/28
108-86-1	Bromobenzene	ND		65.7	68.3	104	71.8	107	5	78-123/30
74-97-5	Bromochloromethane	ND		65.7	59.6	91	56.4	84	6	72-122/23
75-27-4	Bromodichloromethane	ND		65.7	62.9	96	64.5	96	3	73-122/25
75-25-2	Bromoform	ND		65.7	61.4	93	63.6	95	4	70-139/26
104-51-8	n-Butylbenzene	ND		65.7	71.4	109	73.2	109	2	80-138/31
135-98-8	sec-Butylbenzene	ND		65.7	72.2	110	75.6	113	5	82-132/29
98-06-6	tert-Butylbenzene	ND		65.7	66.6	101	68.6	102	3	79-130/29
108-90-7	Chlorobenzene	ND		65.7	66.4	101	66.3	99	0	83-122/23
75-00-3	Chloroethane	ND		65.7	58.5	89	57.3	85	2	61-153/31
67-66-3	Chloroform	ND		65.7	69.4	106	66.9	100	4	79-129/27
544-10-5	1-Chlorohexane	ND		65.7	60.6	92	63.1	94	4	85-137/29
95-49-8	o-Chlorotoluene	ND		65.7	68.9	105	72.5	108	5	77-123/31
106-43-4	p-Chlorotoluene	ND		65.7	68.1	104	71.9	107	5	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		329	424	129	426	127	0	52-142/25
75-15-0	Carbon disulfide	ND		65.7	57.6	88	50.7	76	13	61-142/27
56-23-5	Carbon tetrachloride	ND		65.7	68.6	104	63.8	95	7	79-135/29
75-34-3	1,1-Dichloroethane	ND		65.7	67.7	103	64.2	96	5	77-132/26
75-35-4	1,1-Dichloroethylene	ND		65.7	66.0	100	59.6	89	10	66-132/27
563-58-6	1,1-Dichloropropene	ND		65.7	65.6	100	65.3	97	0	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		65.7	63.5	97	67.6	101	6	67-129/29
106-93-4	1,2-Dibromoethane	ND		65.7	59.6	91	63.4	94	6	77-126/24
107-06-2	1,2-Dichloroethane	ND		65.7	62.6	95	62.6	93	0	78-129/24
78-87-5	1,2-Dichloropropane	ND		65.7	66.5	101	63.8	95	4	74-127/27
142-28-9	1,3-Dichloropropane	ND		65.7	59.8	91	62.3	93	4	78-118/26
594-20-7	2,2-Dichloropropane	ND		65.7	65.0	99	63.6	95	2	80-137/28
124-48-1	Dibromochloromethane	ND		65.7	60.4	92	65.1	97	7	78-117/27
75-71-8	Dichlorodifluoromethane	ND		65.7	51.3	78	49.8	74	3	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		65.7	62.6	95	61.2	91	2	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		65.7	64.7	98	65.8	98	2	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61737-1MS	G0054529.D	1	12/02/08	MM	n/a	n/a	VG2062
F61737-1MSD	G0054530.D	1	12/02/08	MM	n/a	n/a	VG2062
F61737-1	G0054528.D	1	12/02/08	MM	n/a	n/a	VG2062

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61660-2

CAS No.	Compound	F61737-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		65.7	57.3	87	59.7	89	4	71-126/28
541-73-1	m-Dichlorobenzene	ND		65.7	67.3	102	71.2	106	6	82-126/29
95-50-1	o-Dichlorobenzene	ND		65.7	66.6	101	69.6	104	4	83-123/28
106-46-7	p-Dichlorobenzene	ND		65.7	68.9	105	71.2	106	3	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		65.7	66.2	101	60.8	91	9	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		65.7	62.8	96	69.8	104	11	87-131/27
100-41-4	Ethylbenzene	ND		65.7	65.7	100	66.9	100	2	82-124/25
97-63-2	Ethyl methacrylate	ND		65.7	36.8	56*	39.8	59*	8	78-118/30
76-13-1	Freon 113	ND		65.7	70.9	108	65.5	98	8	62-147/29
591-78-6	2-Hexanone	ND		329	275	84	293	87	6	67-130/29
87-68-3	Hexachlorobutadiene	ND		65.7	69.5	106	78.8	117	13	77-150/36
110-54-3	Hexane	ND		65.7	74.1	113	70.4	105	5	65-147/27
99-87-6	p-Isopropyltoluene	ND		65.7	73.8	112	76.2	114	3	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		329	312	95	317	94	2	69-125/24
126-98-7	Methacrylonitrile	ND		657	635	97	618	92	3	70-138/22
74-83-9	Methyl bromide	ND		65.7	71.0	108	66.0	98	7	60-146/31
74-87-3	Methyl chloride	ND		65.7	58.3	89	54.7	81	6	58-163/26
74-88-4	Methyl iodide	ND		65.7	54.4	83	47.5	71	14	66-128/27
80-62-6	Methyl methacrylate	ND		65.7	64.8	99	68.6	102	6	73-125/24
74-95-3	Methylene bromide	ND		65.7	67.1	102	66.4	99	1	75-128/26
75-09-2	Methylene chloride	30.8	B	65.7	73.9	66	61.7	46*	18	62-140/25
78-93-3	Methyl ethyl ketone	ND		329	256	78	244	73	5	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		65.7	58.2	89	60.5	90	4	70-131/25
91-20-3	Naphthalene	ND		65.7	68.1	104	74.8	111	9	59-143/31
76-01-7	Pentachloroethane	ND		65.7	60.7	92	63.1	94	4	64-156/37
107-12-0	Propionitrile	ND		657	578	88	583	87	1	73-133/23
103-65-1	n-Propylbenzene	ND		65.7	70.2	107	73.4	109	4	78-129/29
100-42-5	Styrene	ND		65.7	60.2	92	60.9	91	1	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		65.7	64.2	98	64.6	96	1	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		65.7	68.8	105	65.9	98	4	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		65.7	65.2	99	71.9	107	10	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		65.7	62.7	95	63.4	94	1	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		65.7	73.7	112	83.7	125	13	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		65.7	59.0	90	64.7	96	9	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		65.7	70.1	107	78.5	117	11	82-137/32
95-63-6	1,2,4-Trimethylbenzene	ND		65.7	69.3	105	71.9	107	4	77-129/29

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61737-1MS	G0054529.D	1	12/02/08	MM	n/a	n/a	VG2062
F61737-1MSD	G0054530.D	1	12/02/08	MM	n/a	n/a	VG2062
F61737-1	G0054528.D	1	12/02/08	MM	n/a	n/a	VG2062

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61660-2

CAS No.	Compound	F61737-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
108-67-8	1,3,5-Trimethylbenzene	ND		65.7	65.8	100	70.3	105	7	79-129/31
127-18-4	Tetrachloroethylene	ND		65.7	72.6	110	75.1	112	3	79-132/27
108-88-3	Toluene	ND		65.7	62.1	94	65.2	97	5	80-123/26
79-01-6	Trichloroethylene	ND		65.7	66.4	101	66.5	99	0	78-132/28
75-69-4	Trichlorofluoromethane	ND		65.7	67.8	103	57.7	86	16	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		65.7	122	186*	130	194*	6	74-138/30
75-01-4	Vinyl chloride	ND		65.7	54.1	82	50.0	74	8	60-145/29
108-05-4	Vinyl Acetate	ND		329	236	72	244	73	3	25-164/35
	m,p-Xylene	ND		131	136	103	137	102	1	82-128/25
95-47-6	o-Xylene	ND		65.7	66.6	101	67.7	101	2	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61737-1	Limits
1868-53-7	Dibromofluoromethane	104%	100%	100%	80-121%
2037-26-5	Toluene-D8	94%	99%	91%	71-130%
460-00-4	4-Bromofluorobenzene	94%	101%	106%	59-148%
17060-07-0	1,2-Dichloroethane-D4	108%	93%	109%	77-123%

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3624-MB	CD086110.D	1	12/01/08	JG	n/a	n/a	GCD3624

The QC reported here applies to the following samples: **Method:** SW846 8015

F61660-1, F61660-3, F61660-4

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	79%	56-136%
98-08-8	aaa-Trifluorotoluene	81%	61-121%

Method Blank Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3625-MB	CD086133.D	1	12/02/08	JG	n/a	n/a	GCD3625

The QC reported here applies to the following samples: **Method:** SW846 8015

F61660-2, F61660-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	84%	56-136%
98-08-8	aaa-Trifluorotoluene	83%	61-121%

Method Blank Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3626-MB	CD086170.D	1	12/03/08	JG	n/a	n/a	GCD3626

The QC reported here applies to the following samples: **Method:** SW846 8015

F61660-5

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	80%	56-136%
98-08-8	aaa-Trifluorotoluene	81%	61-121%

Blank Spike Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3624-BS	CD086106.D	1	12/01/08	JG	n/a	n/a	GCD3624

The QC reported here applies to the following samples: **Method:** SW846 8015

F61660-1, F61660-3, F61660-4

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	17.3	87	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	98%	56-136%
98-08-8	aaa-Trifluorotoluene	96%	61-121%

Blank Spike Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3625-BS	CD086132.D	1	12/02/08	JG	n/a	n/a	GCD3625

The QC reported here applies to the following samples: **Method:** SW846 8015

F61660-2, F61660-6

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	16.9	85	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	110%	56-136%
98-08-8	aaa-Trifluorotoluene	93%	61-121%

Blank Spike Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3626-BS	CD086169.D	1	12/03/08	JG	n/a	n/a	GCD3626

The QC reported here applies to the following samples: **Method:** SW846 8015

F61660-5

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	15.8	79	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	110%	56-136%
98-08-8	aaa-Trifluorotoluene	91%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61660-1MS	CD086126.D	1	12/01/08	JG	n/a	n/a	GCD3624
F61660-1MSD	CD086127.D	1	12/01/08	JG	n/a	n/a	GCD3624
F61660-1	CD086112.D	1	12/01/08	JG	n/a	n/a	GCD3624

The QC reported here applies to the following samples: **Method:** SW846 8015

F61660-1, F61660-3, F61660-4

CAS No.	Compound	F61660-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		24.9	21.2	85	19.4	78	9	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61660-1	Limits
460-00-4	4-Bromofluorobenzene	100%	110%	82%	56-136%
98-08-8	aaa-Trifluorotoluene	94%	93%	83%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61661-12MS	CD086136.D	1	12/02/08	JG	n/a	n/a	GCD3625
F61661-12MSD	CD086137.D	1	12/02/08	JG	n/a	n/a	GCD3625
F61661-12	CD086135.D	1	12/02/08	JG	n/a	n/a	GCD3625

The QC reported here applies to the following samples: **Method:** SW846 8015

F61660-2, F61660-6

CAS No.	Compound	F61661-12 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	40.2		34.6	69.9	86	67.4	79	4	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61661-12	Limits
460-00-4	4-Bromofluorobenzene	130%	123%	121%	56-136%
98-08-8	aaa-Trifluorotoluene	96%	97%	82%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61706-23MS	CD086182.D	1	12/03/08	JG	n/a	n/a	GCD3626
F61706-23MSD	CD086183.D	1	12/03/08	JG	n/a	n/a	GCD3626
F61706-23	CD086181.D	1	12/03/08	JG	n/a	n/a	GCD3626

The QC reported here applies to the following samples: **Method:** SW846 8015

F61660-5

CAS No.	Compound	F61706-23 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		38.5	32.0	83	31.2	81	3	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61706-23	Limits
460-00-4	4-Bromofluorobenzene	106%	105%	86%	56-136%
98-08-8	aaa-Trifluorotoluene	92%	92%	84%	61-121%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27222-MB	LL24137.D	1	11/26/08	ME	11/21/08	OP27222	GLL904

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61660-1, F61660-2, F61660-3, F61660-4

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	95%	49-108%

Method Blank Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27222-MB	LL24270.D	1	12/03/08	NY	11/21/08	OP27222	GLL907

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61660-1, F61660-2, F61660-3, F61660-4

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	96%	49-108%

Method Blank Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27224-MB	LL24282.D	1	12/03/08	NY	11/21/08	OP27224	GLL907

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61660-5, F61660-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	89%	49-108%

Blank Spike Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27222-BS	LL24136.D	1	11/26/08	ME	11/21/08	OP27222	GLL904

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61660-1, F61660-2, F61660-3, F61660-4

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	33.8	101	64-102
	TPH (> C22-C36)	33.3	37.8	113	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	98%	49-108%

Blank Spike Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27224-BS	LL24281.D	1	12/03/08	NY	11/21/08	OP27224	GLL907

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61660-5, F61660-6

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	28.9	87	64-102
	TPH (> C22-C36)	33.3	33.7	101	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	86%	49-108%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27222-MS	LL24157.D	1	11/27/08	ME	11/21/08	OP27222	GLL904
OP27222-MSD	LL24158.D	1	11/27/08	ME	11/21/08	OP27222	GLL904
F61623-12	LL24156.D	1	11/27/08	ME	11/21/08	OP27222	GLL904

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61660-1, F61660-2, F61660-3, F61660-4

CAS No.	Compound	F61623-12 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		42.1	40.4	96	34.6	82	15	64-102/32
	TPH (> C22-C36)	ND		42.1	43.6	104	43.3	103	1	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F61623-12	Limits
84-15-1	o-Terphenyl	94%	91%	92%	49-108%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61660
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27224-MS	LL24285.D	1	12/03/08	NY	11/21/08	OP27224	GLL907
OP27224-MSD	LL24286.D	1	12/03/08	NY	11/21/08	OP27224	GLL907
F61660-6	LL24284.D	1	12/03/08	NY	11/21/08	OP27224	GLL907

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61660-5, F61660-6

CAS No.	Compound	F61660-6 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		38.2	31.4	82	29.9	79	5	64-102/32
	TPH (> C22-C36)	ND		38.2	35.6	93	33.1	87	7	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F61660-6	Limits
84-15-1	o-Terphenyl	82%	80%	79%	49-108%

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F61662

Sampling Date: 11/18/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **76**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.

Test results relate only to samples analyzed.

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Sections: 1 2 3 4 5 6 7

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F61662-1: SS61-SB05-22 7
3.2: F61662-2: SS61-SB05-26 12
3.3: F61662-3: SS61-SB05-40 17
3.4: F61662-4: SS61-SB06-20 22
3.5: F61662-5: SS61-SB06-25 27
3.6: F61662-6: SS61-SB06-25-a 32
3.7: F61662-7: SS61-SB06-40 37
3.8: F61662-8: TRIP BLANK 42
Section 4: Misc. Forms **45**
4.1: Chain of Custody 46
Section 5: GC/MS Volatiles - QC Data Summaries **48**
5.1: Method Blank Summary 49
5.2: Blank Spike Summary 55
5.3: Matrix Spike/Matrix Spike Duplicate Summary 61
Section 6: GC Volatiles - QC Data Summaries **67**
6.1: Method Blank Summary 68
6.2: Blank Spike Summary 69
6.3: Matrix Spike/Matrix Spike Duplicate Summary 70
Section 7: GC Semi-volatiles - QC Data Summaries **71**
7.1: Method Blank Summary 72
7.2: Blank Spike Summary 74
7.3: Matrix Spike/Matrix Spike Duplicate Summary 76

Sample Summary

North Wind, Inc

Job No: F61662

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F61662-1	11/18/08	13:15	GK	11/20/08	SO	Soil	SS61-SB05-22
F61662-2	11/18/08	13:30	GK	11/20/08	SO	Soil	SS61-SB05-26
F61662-3	11/18/08	13:45	GK	11/20/08	SO	Soil	SS61-SB05-40
F61662-4	11/18/08	16:00	GK	11/20/08	SO	Soil	SS61-SB06-20
F61662-5	11/18/08	16:20	GK	11/20/08	SO	Soil	SS61-SB06-25
F61662-6	11/18/08	16:20	GK	11/20/08	SO	Soil	SS61-SB06-25-a
F61662-7	11/18/08	16:30	GK	11/20/08	SO	Soil	SS61-SB06-40
F61662-8	11/18/08	00:00	GK	11/20/08	SO	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F61662

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/3/2008 3:51:56 PM

7 Samples, 1 Trip Blank were collected on 11/18/2008 and received at Accutest on 11/20/2008 properly preserved, at 2.8 Deg. C and intact. These Samples received an Accutest job number of F61662. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2058

All samples were analyzed within the recommended method holding time.

Sample(s) F61622-1MS, F61622-1MSD were used as the QC samples indicated.

Sample(s) F61662-4 have compound(s) reported with a “B” qualifier, indicating analyte is found in the associated method blank.

BS/MS/MSD Recovery(s) for Acetone, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene are outside control limits. Acetone and MEK data are considered minimum values, TDB biased high, not detected in the samples.

MS/MSD Recovery for Isopropylbenzene is outside control limits. Probable cause due to matrix interference. See Blank Spike for method performance in clean matrix

F61662-7 for Acetone: ICV outside of control limits; results may be biased high; suspected laboratory contaminant.

F61662-4 for Methylene chloride: Suspected laboratory contaminant.

Matrix: SO **Batch ID:** VG2059

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61622-7MS, F61622-7MSD were used as the QC samples indicated.

Sample(s) F61662-5 have compounds reported with “E” qualifiers indicating estimated value exceeding calibration range.

Blank Spike Recovery(s) for Acetone, Acrolein, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene are outside control limits. Acetone and MEK data considered minimum values, TDB biased high, not detected in the samples, Acrolein passed in MS/MSD

MS and/or MSD Recovery(s) for 1,2-Dichloroethane, 2-Hexanone, Allyl chloride, Benzyl Chloride, cis-1,4-Dichloro-2-Butene, Ethyl methacrylate, Methacrylonitrile, Pentachloroethane, Propionitrile, Vinyl Acetate are outside control limits. Probable cause due to matrix interference. See Blank Spike.

RPD(s) for MSD for Vinyl Acetate are outside control limits for sample F61622-7MSD. Probable cause due to sample homogeneity.

F61662-2 for Methylene chloride: Suspected laboratory contaminant.

F61662-3 for Methylene chloride: Suspected laboratory contaminant.

F61662-5 for Methylene chloride: Suspected laboratory contaminant.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GQR1953

All samples were analyzed within the recommended method holding time.

Sample(s) F61623-12MS, F61623-12MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Extractables by GC By Method SW846 8015 M

Matrix: SO **Batch ID:** OP27215

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F61622-7MS, F61622-7MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

F61662-5 for TPH (C10-C22): Petroleum hydrocarbon pattern begins before C10.

Wet Chemistry By Method SM19 2540B M

Matrix: SO **Batch ID:** GN32928

Sample(s) F61660-1DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: December 04, 2008

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-SB05-22		
Lab Sample ID:	F61662-1	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054391.D	1	11/25/08	MM	11/20/08 12:05	n/a	VG2058
Run #2							

	Initial Weight
Run #1	5.89 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	48	24	ug/kg	
75-05-8	Acetonitrile	ND	48	15	ug/kg	
107-02-8	Acrolein	ND	24	9.4	ug/kg	
107-13-1	Acrylonitrile	ND	24	6.6	ug/kg	
107-05-1	Allyl chloride	ND	24	4.8	ug/kg	
71-43-2	Benzene	19.2	4.8	0.96	ug/kg	
100-44-7	Benzyl Chloride	ND	4.8	1.1	ug/kg	
108-86-1	Bromobenzene	ND	4.8	0.96	ug/kg	
74-97-5	Bromochloromethane	ND	4.8	1.6	ug/kg	
75-27-4	Bromodichloromethane	ND	4.8	1.2	ug/kg	
75-25-2	Bromoform	ND	4.8	1.4	ug/kg	
104-51-8	n-Butylbenzene	ND	4.8	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	4.8	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	4.8	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	4.8	0.96	ug/kg	
75-00-3	Chloroethane	ND	4.8	1.9	ug/kg	
67-66-3	Chloroform	ND	4.8	1.6	ug/kg	
544-10-5	1-Chlorohexane	ND	4.8	1.2	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.8	0.96	ug/kg	
106-43-4	p-Chlorotoluene	ND	4.8	0.96	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	24	9.6	ug/kg	
75-15-0	Carbon disulfide	ND	4.8	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.8	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.8	1.9	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.8	1.2	ug/kg	
563-58-6	1,1-Dichloropropene	ND	4.8	1.3	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.8	2.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4.8	0.96	ug/kg	
107-06-2	1,2-Dichloroethane	2.8	4.8	1.1	ug/kg	J
78-87-5	1,2-Dichloropropane	ND	4.8	1.3	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4.8	0.96	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4.8	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB05-22		
Lab Sample ID:	F61662-1	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	4.8	0.96	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.8	1.9	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.8	1.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.8	1.2	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	24	4.8	ug/kg	
541-73-1	m-Dichlorobenzene	ND	4.8	0.96	ug/kg	
95-50-1	o-Dichlorobenzene	ND	4.8	0.96	ug/kg	
106-46-7	p-Dichlorobenzene	ND	4.8	0.96	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	4.8	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.8	0.96	ug/kg	
100-41-4	Ethylbenzene	ND	4.8	0.96	ug/kg	
97-63-2	Ethyl methacrylate	ND	24	4.8	ug/kg	
76-13-1	Freon 113	ND	4.8	2.5	ug/kg	
591-78-6	2-Hexanone	ND	24	4.8	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.8	1.2	ug/kg	
110-54-3	Hexane	ND	4.8	2.3	ug/kg	
98-82-8	Isopropylbenzene	5.9	4.8	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	4.8	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	24	6.1	ug/kg	
126-98-7	Methacrylonitrile	ND	24	5.3	ug/kg	
74-83-9	Methyl bromide	ND	4.8	2.1	ug/kg	
74-87-3	Methyl chloride	ND	4.8	2.3	ug/kg	
74-88-4	Methyl iodide	ND	9.6	1.9	ug/kg	
80-62-6	Methyl methacrylate	ND	24	4.8	ug/kg	
74-95-3	Methylene bromide	ND	4.8	1.4	ug/kg	
75-09-2	Methylene chloride	ND	9.6	4.8	ug/kg	
78-93-3	Methyl ethyl ketone	ND	24	8.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.8	1.4	ug/kg	
91-20-3	Naphthalene	ND	4.8	1.9	ug/kg	
76-01-7	Pentachloroethane	ND	24	4.8	ug/kg	
107-12-0	Propionitrile	ND	48	12	ug/kg	
103-65-1	n-Propylbenzene	ND	4.8	1.2	ug/kg	
100-42-5	Styrene	ND	4.8	0.96	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.8	0.96	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.8	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.8	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.8	0.96	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.8	1.9	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.8	1.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	1.9	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB05-22		
Lab Sample ID:	F61662-1	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	4.8	0.96	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.8	0.96	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.8	1.2	ug/kg	
108-88-3	Toluene	ND	4.8	0.96	ug/kg	
79-01-6	Trichloroethylene	ND	4.8	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.8	1.9	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	24	4.8	ug/kg	
75-01-4	Vinyl chloride	ND	4.8	1.9	ug/kg	
108-05-4	Vinyl Acetate	ND	24	12	ug/kg	
	m,p-Xylene	ND	9.6	1.8	ug/kg	
95-47-6	o-Xylene	ND	4.8	0.96	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-121%
2037-26-5	Toluene-D8	95%		71-130%
460-00-4	4-Bromofluorobenzene	94%		59-148%
17060-07-0	1,2-Dichloroethane-D4	109%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB05-22		
Lab Sample ID:	F61662-1	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	88.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR044883.D	1	11/28/08	AH	11/20/08 12:05	n/a	GQR1953
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.89 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.5	2.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	80%		56-136%
98-08-8	aaa-Trifluorotoluene	83%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB05-22		
Lab Sample ID:	F61662-1	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	88.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24013.D	1	11/22/08	ME	11/21/08	OP27215	GLL901
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.2	5.5	mg/kg	
	TPH (> C22-C36)	ND	9.2	5.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	83%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB05-26		
Lab Sample ID:	F61662-2	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054410.D	1	11/26/08	MM	11/20/08 12:05	n/a	VG2059
Run #2	G0054396.D	1	11/25/08	MM	11/20/08 12:05	n/a	VG2058

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.17 g	5.0 ml	100 ul
Run #2	5.17 g	5.0 ml	10.0 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3300	1700	ug/kg	
75-05-8	Acetonitrile	ND	3300	1100	ug/kg	
107-02-8	Acrolein	ND	1700	650	ug/kg	
107-13-1	Acrylonitrile	ND	1700	460	ug/kg	
107-05-1	Allyl chloride	ND	1700	330	ug/kg	
71-43-2	Benzene	4680	330	67	ug/kg	
100-44-7	Benzyl Chloride	ND	330	73	ug/kg	
108-86-1	Bromobenzene	ND	330	67	ug/kg	
74-97-5	Bromochloromethane	ND	330	110	ug/kg	
75-27-4	Bromodichloromethane	ND	330	80	ug/kg	
75-25-2	Bromoform	ND	330	100	ug/kg	
104-51-8	n-Butylbenzene	ND	330	93	ug/kg	
135-98-8	sec-Butylbenzene	291	330	73	ug/kg	J
98-06-6	tert-Butylbenzene	141	330	73	ug/kg	J
108-90-7	Chlorobenzene	ND	330	67	ug/kg	
75-00-3	Chloroethane	ND	330	130	ug/kg	
67-66-3	Chloroform	ND	330	110	ug/kg	
544-10-5	1-Chlorohexane	ND	330	87	ug/kg	
95-49-8	o-Chlorotoluene	ND	330	67	ug/kg	
106-43-4	p-Chlorotoluene	ND	330	67	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1700	670	ug/kg	
75-15-0	Carbon disulfide	ND	330	73	ug/kg	
56-23-5	Carbon tetrachloride	ND	330	93	ug/kg	
75-34-3	1,1-Dichloroethane	ND	330	130	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	330	87	ug/kg	
563-58-6	1,1-Dichloropropene	ND	330	93	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	330	160	ug/kg	
106-93-4	1,2-Dibromoethane	ND	330	67	ug/kg	
107-06-2	1,2-Dichloroethane	ND	330	73	ug/kg	
78-87-5	1,2-Dichloropropane	ND	330	93	ug/kg	
142-28-9	1,3-Dichloropropane	ND	330	67	ug/kg	
594-20-7	2,2-Dichloropropane	ND	330	140	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB05-26		
Lab Sample ID:	F61662-2	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	330	67	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	330	130	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	330	110	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	330	87	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	1700	330	ug/kg	
541-73-1	m-Dichlorobenzene	ND	330	67	ug/kg	
95-50-1	o-Dichlorobenzene	ND	330	67	ug/kg	
106-46-7	p-Dichlorobenzene	ND	330	67	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	330	80	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	330	67	ug/kg	
100-41-4	Ethylbenzene	6250	330	67	ug/kg	
97-63-2	Ethyl methacrylate	ND	1700	330	ug/kg	
76-13-1	Freon 113	ND	330	170	ug/kg	
591-78-6	2-Hexanone	ND	1700	330	ug/kg	
87-68-3	Hexachlorobutadiene	ND	330	80	ug/kg	
110-54-3	Hexane	ND	330	160	ug/kg	
98-82-8	Isopropylbenzene	15600 [a]	3300	730	ug/kg	
99-87-6	p-Isopropyltoluene	ND	330	73	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1700	430	ug/kg	
126-98-7	Methacrylonitrile	ND	1700	370	ug/kg	
74-83-9	Methyl bromide	ND	330	150	ug/kg	
74-87-3	Methyl chloride	ND	330	160	ug/kg	
74-88-4	Methyl iodide	ND	670	130	ug/kg	
80-62-6	Methyl methacrylate	ND	1700	330	ug/kg	
74-95-3	Methylene bromide	ND	330	100	ug/kg	
75-09-2	Methylene chloride [b]	1080	670	330	ug/kg	
78-93-3	Methyl ethyl ketone	ND	1700	550	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	330	100	ug/kg	
91-20-3	Naphthalene	ND	330	130	ug/kg	
76-01-7	Pentachloroethane	ND	1700	330	ug/kg	
107-12-0	Propionitrile	ND	3300	800	ug/kg	
103-65-1	n-Propylbenzene	867	330	80	ug/kg	
100-42-5	Styrene	ND	330	67	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	330	67	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	330	73	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	330	120	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	330	67	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	330	130	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	330	130	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	330	130	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB05-26		
Lab Sample ID:	F61662-2	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	4490	330	67	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	1630 [a]	3300	670	ug/kg	J
127-18-4	Tetrachloroethylene	ND	330	80	ug/kg	
108-88-3	Toluene	ND	330	67	ug/kg	
79-01-6	Trichloroethylene	ND	330	80	ug/kg	
75-69-4	Trichlorofluoromethane	ND	330	130	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	1700	330	ug/kg	
75-01-4	Vinyl chloride	ND	330	130	ug/kg	
108-05-4	Vinyl Acetate	ND	1700	800	ug/kg	
	m,p-Xylene	3010	670	130	ug/kg	
95-47-6	o-Xylene	159	330	67	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%	100%	80-121%
2037-26-5	Toluene-D8	99%	94%	71-130%
460-00-4	4-Bromofluorobenzene	95%	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	111%	110%	77-123%

(a) Result is from Run# 2
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB05-26		
Lab Sample ID:	F61662-2	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	84.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR044890.D	1	11/28/08	AH	11/20/08 12:05	n/a	GQR1953
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.17 g	5.0 ml	2.5 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	759	270	130	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	93%		56-136%
98-08-8	aaa-Trifluorotoluene	113%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB05-26		
Lab Sample ID:	F61662-2	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	84.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24016.D	1	11/22/08	ME	11/21/08	OP27215	GLL901
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.8	5.9	mg/kg	
	TPH (> C22-C36)	ND	9.8	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	69%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB05-40		
Lab Sample ID:	F61662-3	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054392.D	1	11/25/08	MM	11/20/08 12:05	n/a	VG2058
Run #2	G0054411.D	1	11/26/08	MM	11/20/08 12:05	n/a	VG2059

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.33 g		
Run #2	5.42 g	5.0 ml	100 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	55.5	55	27	ug/kg	
75-05-8	Acetonitrile	ND	55	17	ug/kg	
107-02-8	Acrolein	ND	27	11	ug/kg	
107-13-1	Acrylonitrile	ND	27	7.5	ug/kg	
107-05-1	Allyl chloride	ND	27	5.5	ug/kg	
71-43-2	Benzene	312 [a]	310	62	ug/kg	
100-44-7	Benzyl Chloride	ND	5.5	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.5	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.5	1.9	ug/kg	
75-27-4	Bromodichloromethane	ND	5.5	1.3	ug/kg	
75-25-2	Bromoform	ND	5.5	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	5.5	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.5	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.5	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.5	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.5	2.2	ug/kg	
67-66-3	Chloroform	ND	5.5	1.9	ug/kg	
544-10-5	1-Chlorohexane	ND	5.5	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.5	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.5	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	27	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.5	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.5	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.5	2.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.5	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.5	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.5	2.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.5	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	21.4	5.5	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.5	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.5	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.5	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB05-40		
Lab Sample ID:	F61662-3	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.5	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.5	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.5	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.5	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	27	5.5	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.5	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.5	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.5	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.5	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.5	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.5	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	27	5.5	ug/kg	
76-13-1	Freon 113	ND	5.5	2.8	ug/kg	
591-78-6	2-Hexanone	ND	27	5.5	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.5	1.3	ug/kg	
110-54-3	Hexane	ND	5.5	2.6	ug/kg	
98-82-8	Isopropylbenzene	105	5.5	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.5	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	27	7.0	ug/kg	
126-98-7	Methacrylonitrile	ND	27	6.0	ug/kg	
74-83-9	Methyl bromide	ND	5.5	2.4	ug/kg	
74-87-3	Methyl chloride	ND	5.5	2.6	ug/kg	
74-88-4	Methyl iodide	ND	11	2.2	ug/kg	
80-62-6	Methyl methacrylate	ND	27	5.5	ug/kg	
74-95-3	Methylene bromide	ND	5.5	1.6	ug/kg	
75-09-2	Methylene chloride [b]	809 [a]	620	310	ug/kg	
78-93-3	Methyl ethyl ketone	ND	27	9.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.5	1.6	ug/kg	
91-20-3	Naphthalene	ND	5.5	2.2	ug/kg	
76-01-7	Pentachloroethane	ND	27	5.5	ug/kg	
107-12-0	Propionitrile	ND	55	13	ug/kg	
103-65-1	n-Propylbenzene	1.5	5.5	1.3	ug/kg	J
100-42-5	Styrene	ND	5.5	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.5	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.5	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.5	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.5	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.5	2.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.5	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.5	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB05-40		
Lab Sample ID:	F61662-3	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.5	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.5	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.5	1.3	ug/kg	
108-88-3	Toluene	ND	5.5	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.5	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.5	2.2	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	27	5.5	ug/kg	
75-01-4	Vinyl chloride	ND	5.5	2.2	ug/kg	
108-05-4	Vinyl Acetate	ND	27	13	ug/kg	
	m,p-Xylene	ND	11	2.1	ug/kg	
95-47-6	o-Xylene	ND	5.5	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%	96%	80-121%
2037-26-5	Toluene-D8	94%	95%	71-130%
460-00-4	4-Bromofluorobenzene	98%	94%	59-148%
17060-07-0	1,2-Dichloroethane-D4	111%	108%	77-123%

(a) Result is from Run# 2
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB05-40		
Lab Sample ID:	F61662-3	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	85.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR044885.D	1	11/28/08	AH	11/20/08 12:05	n/a	GQR1953
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.42 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.2	3.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	81%		56-136%
98-08-8	aaa-Trifluorotoluene	77%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB05-40		
Lab Sample ID:	F61662-3	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	85.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24017.D	1	11/22/08	ME	11/21/08	OP27215	GLL901
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.6	5.8	mg/kg	
	TPH (> C22-C36)	ND	9.6	5.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	71%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB06-20		
Lab Sample ID:	F61662-4	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	90.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054393.D	1	11/25/08	MM	11/20/08 12:05	n/a	VG2058
Run #2							

	Initial Weight
Run #1	5.36 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	52	26	ug/kg	
75-05-8	Acetonitrile	ND	52	17	ug/kg	
107-02-8	Acrolein	ND	26	10	ug/kg	
107-13-1	Acrylonitrile	ND	26	7.1	ug/kg	
107-05-1	Allyl chloride	ND	26	5.2	ug/kg	
71-43-2	Benzene	ND	5.2	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.2	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.2	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.2	1.8	ug/kg	
75-27-4	Bromodichloromethane	ND	5.2	1.2	ug/kg	
75-25-2	Bromoform	ND	5.2	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.2	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.2	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.2	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.2	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.2	2.1	ug/kg	
67-66-3	Chloroform	ND	5.2	1.8	ug/kg	
544-10-5	1-Chlorohexane	ND	5.2	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.2	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.2	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	26	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.2	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.2	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.2	2.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.2	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.2	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.2	2.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.2	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.2	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.2	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.2	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.2	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB06-20		
Lab Sample ID:	F61662-4	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	90.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.2	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.2	2.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.2	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.2	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	26	5.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.2	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.2	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.2	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.2	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.2	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.2	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	26	5.2	ug/kg	
76-13-1	Freon 113	ND	5.2	2.7	ug/kg	
591-78-6	2-Hexanone	ND	26	5.2	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.2	1.2	ug/kg	
110-54-3	Hexane	ND	5.2	2.5	ug/kg	
98-82-8	Isopropylbenzene	ND	5.2	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.2	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	26	6.6	ug/kg	
126-98-7	Methacrylonitrile	ND	26	5.7	ug/kg	
74-83-9	Methyl bromide	ND	5.2	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.2	2.5	ug/kg	
74-88-4	Methyl iodide	ND	10	2.1	ug/kg	
80-62-6	Methyl methacrylate	ND	26	5.2	ug/kg	
74-95-3	Methylene bromide	ND	5.2	1.5	ug/kg	
75-09-2	Methylene chloride [a]	6.0	10	5.2	ug/kg	JB
78-93-3	Methyl ethyl ketone	ND	26	8.6	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.2	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.2	2.1	ug/kg	
76-01-7	Pentachloroethane	ND	26	5.2	ug/kg	
107-12-0	Propionitrile	ND	52	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.2	1.2	ug/kg	
100-42-5	Styrene	ND	5.2	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.2	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.2	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.2	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.2	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.2	2.1	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.2	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.2	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB06-20		
Lab Sample ID:	F61662-4	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	90.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.2	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.2	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.2	1.2	ug/kg	
108-88-3	Toluene	ND	5.2	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.2	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.2	2.1	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	26	5.2	ug/kg	
75-01-4	Vinyl chloride	ND	5.2	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	26	12	ug/kg	
	m,p-Xylene	ND	10	2.0	ug/kg	
95-47-6	o-Xylene	ND	5.2	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-121%
2037-26-5	Toluene-D8	91%		71-130%
460-00-4	4-Bromofluorobenzene	102%		59-148%
17060-07-0	1,2-Dichloroethane-D4	115%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB06-20		
Lab Sample ID:	F61662-4	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	90.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR044886.D	1	11/28/08	AH	11/20/08 12:05	n/a	GQR1953
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.96 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.2	2.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	82%		56-136%
98-08-8	aaa-Trifluorotoluene	81%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB06-20		
Lab Sample ID:	F61662-4	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	90.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24018.D	1	11/22/08	ME	11/21/08	OP27215	GLL901
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.2	5.5	mg/kg	
	TPH (> C22-C36)	ND	9.2	5.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	82%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB06-25		
Lab Sample ID:	F61662-5	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054408.D	1	11/26/08	MM	11/20/08 12:46	n/a	VG2059
Run #2	G0054415.D	1	11/26/08	MM	11/20/08 12:46	n/a	VG2059

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.53 g		
Run #2	5.31 g	5.0 ml	100 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	53	27	ug/kg	
75-05-8	Acetonitrile	ND	53	17	ug/kg	
107-02-8	Acrolein	ND	27	10	ug/kg	
107-13-1	Acrylonitrile	ND	27	7.3	ug/kg	
107-05-1	Allyl chloride	ND	27	5.3	ug/kg	
71-43-2	Benzene	78.5	5.3	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.3	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.3	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.3	1.8	ug/kg	
75-27-4	Bromodichloromethane	ND	5.3	1.3	ug/kg	
75-25-2	Bromoform	ND	5.3	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	5.3	1.5	ug/kg	
135-98-8	sec-Butylbenzene	6.5	5.3	1.2	ug/kg	
98-06-6	tert-Butylbenzene	2.8	5.3	1.2	ug/kg	J
108-90-7	Chlorobenzene	ND	5.3	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.3	2.1	ug/kg	
67-66-3	Chloroform	ND	5.3	1.8	ug/kg	
544-10-5	1-Chlorohexane	ND	5.3	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.3	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.3	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	27	11	ug/kg	
75-15-0	Carbon disulfide	6.0	5.3	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.3	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.3	2.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.3	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.3	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.3	2.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.3	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.3	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.3	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.3	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.3	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB06-25		
Lab Sample ID:	F61662-5	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.3	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.3	2.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.3	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.3	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	27	5.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.3	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.3	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.3	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.3	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.3	1.1	ug/kg	
100-41-4	Ethylbenzene	40.8	5.3	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	27	5.3	ug/kg	
76-13-1	Freon 113	ND	5.3	2.8	ug/kg	
591-78-6	2-Hexanone	ND	27	5.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.3	1.3	ug/kg	
110-54-3	Hexane	ND	5.3	2.6	ug/kg	
98-82-8	Isopropylbenzene	239	5.3	1.2	ug/kg	E
99-87-6	p-Isopropyltoluene	ND	5.3	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	27	6.8	ug/kg	
126-98-7	Methacrylonitrile	ND	27	5.9	ug/kg	
74-83-9	Methyl bromide	ND	5.3	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.3	2.6	ug/kg	
74-88-4	Methyl iodide	ND	11	2.1	ug/kg	
80-62-6	Methyl methacrylate	ND	27	5.3	ug/kg	
74-95-3	Methylene bromide	ND	5.3	1.6	ug/kg	
75-09-2	Methylene chloride [a]	381 [b]	640	320	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	27	8.8	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.3	1.6	ug/kg	
91-20-3	Naphthalene	ND	5.3	2.1	ug/kg	
76-01-7	Pentachloroethane	ND	27	5.3	ug/kg	
107-12-0	Propionitrile	ND	53	13	ug/kg	
103-65-1	n-Propylbenzene	5.3	5.3	1.3	ug/kg	
100-42-5	Styrene	ND	5.3	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.3	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.3	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.3	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.3	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.3	2.1	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.3	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.3	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB06-25		
Lab Sample ID:	F61662-5	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	34.2	5.3	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	11.3	5.3	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.3	1.3	ug/kg	
108-88-3	Toluene	7.3	5.3	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.3	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.3	2.1	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	27	5.3	ug/kg	
75-01-4	Vinyl chloride	ND	5.3	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	27	13	ug/kg	
	m,p-Xylene	20.9	11	2.0	ug/kg	
95-47-6	o-Xylene	19.0	5.3	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%	101%	80-121%
2037-26-5	Toluene-D8	91%	93%	71-130%
460-00-4	4-Bromofluorobenzene	93%	94%	59-148%
17060-07-0	1,2-Dichloroethane-D4	115%	109%	77-123%

(a) Suspected laboratory contaminant.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB06-25		
Lab Sample ID:	F61662-5	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	85.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR044887.D	1	11/28/08	AH	11/20/08 12:46	n/a	GQR1953
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.31 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.4	3.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	97%		56-136%
98-08-8	aaa-Trifluorotoluene	77%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB06-25		
Lab Sample ID:	F61662-5	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	85.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24080.D	1	11/25/08	ME	11/21/08	OP27215	GLL903
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22) [a]	8.59	9.7	5.8	mg/kg	J
	TPH (> C22-C36)	11.2	9.7	5.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	81%		49-108%

(a) Petroleum hydrocarbon pattern begins before C10.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB06-25-a		
Lab Sample ID:	F61662-6	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054409.D	1	11/26/08	MM	11/20/08 12:46	n/a	VG2059
Run #2							

	Initial Weight
Run #1	5.64 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	51	26	ug/kg	
75-05-8	Acetonitrile	ND	51	16	ug/kg	
107-02-8	Acrolein	ND	26	10	ug/kg	
107-13-1	Acrylonitrile	ND	26	7.1	ug/kg	
107-05-1	Allyl chloride	ND	26	5.1	ug/kg	
71-43-2	Benzene	27.0	5.1	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.1	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.1	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.1	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.1	1.2	ug/kg	
75-25-2	Bromoform	ND	5.1	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.1	1.4	ug/kg	
135-98-8	sec-Butylbenzene	5.2	5.1	1.1	ug/kg	
98-06-6	tert-Butylbenzene	2.3	5.1	1.1	ug/kg	J
108-90-7	Chlorobenzene	ND	5.1	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.1	2.0	ug/kg	
67-66-3	Chloroform	ND	5.1	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.1	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.1	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.1	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	26	10	ug/kg	
75-15-0	Carbon disulfide	3.5	5.1	1.1	ug/kg	J
56-23-5	Carbon tetrachloride	ND	5.1	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.1	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.1	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.1	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.1	2.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.1	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.1	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.1	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.1	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.1	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB06-25-a		
Lab Sample ID:	F61662-6	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.1	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.1	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.1	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.1	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	26	5.1	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.1	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.1	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.1	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.1	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.1	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.1	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	26	5.1	ug/kg	
76-13-1	Freon 113	ND	5.1	2.7	ug/kg	
591-78-6	2-Hexanone	ND	26	5.1	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.1	1.2	ug/kg	
110-54-3	Hexane	9.3	5.1	2.5	ug/kg	
98-82-8	Isopropylbenzene	202	5.1	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.1	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	26	6.6	ug/kg	
126-98-7	Methacrylonitrile	ND	26	5.6	ug/kg	
74-83-9	Methyl bromide	ND	5.1	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.1	2.5	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	26	5.1	ug/kg	
74-95-3	Methylene bromide	ND	5.1	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.1	ug/kg	
78-93-3	Methyl ethyl ketone	ND	26	8.5	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.1	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.1	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	26	5.1	ug/kg	
107-12-0	Propionitrile	ND	51	12	ug/kg	
103-65-1	n-Propylbenzene	4.3	5.1	1.2	ug/kg	J
100-42-5	Styrene	ND	5.1	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.1	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.1	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.1	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.1	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.1	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.1	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.1	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB06-25-a		
Lab Sample ID:	F61662-6	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	27.9	5.1	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	9.7	5.1	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.1	1.2	ug/kg	
108-88-3	Toluene	ND	5.1	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.1	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.1	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	26	5.1	ug/kg	
75-01-4	Vinyl chloride	ND	5.1	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	26	12	ug/kg	
	m,p-Xylene	14.0	10	1.9	ug/kg	
95-47-6	o-Xylene	12.0	5.1	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-121%
2037-26-5	Toluene-D8	92%		71-130%
460-00-4	4-Bromofluorobenzene	95%		59-148%
17060-07-0	1,2-Dichloroethane-D4	111%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB06-25-a		
Lab Sample ID:	F61662-6	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	86.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR044888.D	1	11/28/08	AH	11/20/08 12:46	n/a	GQR1953
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.45 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.1	3.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	92%		56-136%
98-08-8	aaa-Trifluorotoluene	80%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB06-25-a		
Lab Sample ID:	F61662-6	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	86.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24081.D	1	11/25/08	ME	11/21/08	OP27215	GLL903
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.5	5.7	mg/kg	
	TPH (> C22-C36)	7.02	9.5	5.7	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	63%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB06-40		
Lab Sample ID:	F61662-7	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	78.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054394.D	1	11/25/08	MM	11/20/08 12:46	n/a	VG2058
Run #2							

	Initial Weight
Run #1	6.01 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	44.4	53	26	ug/kg	J
75-05-8	Acetonitrile	ND	53	17	ug/kg	
107-02-8	Acrolein	ND	26	10	ug/kg	
107-13-1	Acrylonitrile	ND	26	7.3	ug/kg	
107-05-1	Allyl chloride	ND	26	5.3	ug/kg	
71-43-2	Benzene	9.8	5.3	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.3	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.3	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.3	1.8	ug/kg	
75-27-4	Bromodichloromethane	ND	5.3	1.3	ug/kg	
75-25-2	Bromoform	ND	5.3	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	5.3	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.3	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.3	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.3	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.3	2.1	ug/kg	
67-66-3	Chloroform	ND	5.3	1.8	ug/kg	
544-10-5	1-Chlorohexane	ND	5.3	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.3	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.3	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	26	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.3	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.3	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.3	2.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.3	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.3	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.3	2.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.3	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	9.1	5.3	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.3	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.3	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.3	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB06-40		
Lab Sample ID:	F61662-7	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	78.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.3	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.3	2.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.3	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.3	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	26	5.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.3	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.3	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.3	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.3	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.3	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.3	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	26	5.3	ug/kg	
76-13-1	Freon 113	ND	5.3	2.7	ug/kg	
591-78-6	2-Hexanone	ND	26	5.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.3	1.3	ug/kg	
110-54-3	Hexane	ND	5.3	2.5	ug/kg	
98-82-8	Isopropylbenzene	19.9	5.3	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.3	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	26	6.7	ug/kg	
126-98-7	Methacrylonitrile	ND	26	5.8	ug/kg	
74-83-9	Methyl bromide	ND	5.3	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.3	2.5	ug/kg	
74-88-4	Methyl iodide	ND	11	2.1	ug/kg	
80-62-6	Methyl methacrylate	ND	26	5.3	ug/kg	
74-95-3	Methylene bromide	ND	5.3	1.6	ug/kg	
75-09-2	Methylene chloride	ND	11	5.3	ug/kg	
78-93-3	Methyl ethyl ketone	ND	26	8.8	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.3	1.6	ug/kg	
91-20-3	Naphthalene	ND	5.3	2.1	ug/kg	
76-01-7	Pentachloroethane	ND	26	5.3	ug/kg	
107-12-0	Propionitrile	ND	53	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.3	1.3	ug/kg	
100-42-5	Styrene	ND	5.3	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.3	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.3	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.3	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.3	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.3	2.1	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.3	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.3	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB06-40		
Lab Sample ID:	F61662-7	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	78.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.3	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.3	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.3	1.3	ug/kg	
108-88-3	Toluene	ND	5.3	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.3	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.3	2.1	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	26	5.3	ug/kg	
75-01-4	Vinyl chloride	ND	5.3	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	26	13	ug/kg	
	m,p-Xylene	ND	11	2.0	ug/kg	
95-47-6	o-Xylene	ND	5.3	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		80-121%
2037-26-5	Toluene-D8	91%		71-130%
460-00-4	4-Bromofluorobenzene	97%		59-148%
17060-07-0	1,2-Dichloroethane-D4	114%		77-123%

(a) ICV outside of control limits; results may be biased high; suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB06-40		
Lab Sample ID:	F61662-7	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	78.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR044889.D	1	11/28/08	AH	11/20/08 12:46	n/a	GQR1953
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.50 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.1	3.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	93%		56-136%
98-08-8	aaa-Trifluorotoluene	78%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB06-40		
Lab Sample ID:	F61662-7	**Date Sampled:**	11/18/08
Matrix:	SO - Soil	**Date Received:**	11/20/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	78.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24021.D	1	11/22/08	ME	11/21/08	OP27215	GLL901
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.3	mg/kg	
	TPH (> C22-C36)	ND	10	6.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	81%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61662-8	**Date Sampled:**	11/18/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/20/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054395.D	1	11/25/08	MM	n/a	n/a	VG2058
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61662-8	**Date Sampled:**	11/18/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/20/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61662-8	**Date Sampled:**	11/18/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/20/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-121%
2037-26-5	Toluene-D8	93%		71-130%
460-00-4	4-Bromofluorobenzene	96%		59-148%
17060-07-0	1,2-Dichloroethane-D4	108%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

F61662

BHATE
Environmental Engineers and Scientists

Chain of Custody and Analytical Request

Page 1 of 1

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number [1]: 11-19-2008-1

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site #1)

Client Name: USACE-Omaha District

Collected by: Greg Kinsman / Zack Beck

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)						Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
									Sample Analysis Requested [5]										Quality Assurance Samples [6]			
1	SS61-SB05-22	SS61-SB05	18-Nov-2008	1315	20-22	N	01	SO	5	X	X	X										1
2	SS61-SB05-26	SS61-SB05	18-Nov-2008	1330	24-26	N	01	SO	5	X	X	X										1
3	SS61-SB05-40	SS61-SB05	18-Nov-2008	1345	38-40	N	01	SO	5	X	X	X										1
4	SS61-SB06-20	SS61-SB06	18-Nov-2008	1600	18-20	N	01	SO	5	X	X	X										1
5	SS61-SB06-20-MS	SS61-SB06	18-Nov-2008	1600	18-20	MS	01	SO	5	X	X	X										1
4	SS61-SB06-20-MSD	SS61-SB06	18 Nov 2008	1600	18-20	MSD	01	SO	5	X	X	X										1
5	SS61-SB06-25	SS61-SB06	18 Nov 2008	1620	23-25	N	01	SO	5	X	X	X										1
6	SS61-SB06-25-D	SS61-SB06	18 Nov 2008	1620	23-25	FD	01	SO	5	X	X	X										1
7	SS61-SB06-40	SS61-SB06	18-Nov-2008	1630	38-40	N	01	SO	5	X	X	X										1
8	Trip Blank				-	TB		WQ	3	X												1
					-																	

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1.	[signature]	11/19/08	1400	FX		
2.	FX			[signature]	11/21/08	0910
3.						

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: _____ Shipped No.: _____

Method of Shipment: _____ Airbill Number: _____

Analytical Lab: Accutest Laboratories Delivery Location: _____

Lab Recipient: _____ Delivery Date/Time: _____

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

2.8

F61662: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61662 CLIENT: Bhate PROJECT: SS-61

DATE/TIME RECEIVED: 11-20-08 0900 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.8

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8690 0186 5972

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [X] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 36

NUMBER OF 5035 FIELD KITS ? TB

NUMBER OF LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS

TECHNICIAN SIGNATURE/DATE: E-T. 11.20.08 TECHNICIAN SIGNATURE/DATE: 11/20/08 ASBD 12/17/07

4.1 4

F61662: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61662
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2058-MB	G0054379.D	1	11/25/08	MM	n/a	n/a	VG2058

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61662-1, F61662-2, F61662-3, F61662-4, F61662-7, F61662-8

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61662
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2058-MB	G0054379.D	1	11/25/08	MM	n/a	n/a	VG2058

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61662-1, F61662-2, F61662-3, F61662-4, F61662-7, F61662-8

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	8.9	10	5.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F61662
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2058-MB	G0054379.D	1	11/25/08	MM	n/a	n/a	VG2058

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61662-1, F61662-2, F61662-3, F61662-4, F61662-7, F61662-8

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	98%	80-121%
2037-26-5	Toluene-D8	99%	71-130%
460-00-4	4-Bromofluorobenzene	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	106%	77-123%

Method Blank Summary

Job Number: F61662
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2059-MB	G0054404.D	1	11/26/08	MM	n/a	n/a	VG2059

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61662-2, F61662-3, F61662-5, F61662-6

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61662
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2059-MB	G0054404.D	1	11/26/08	MM	n/a	n/a	VG2059

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61662-2, F61662-3, F61662-5, F61662-6

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F61662
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2059-MB	G0054404.D	1	11/26/08	MM	n/a	n/a	VG2059

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61662-2, F61662-3, F61662-5, F61662-6

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	80-121%
2037-26-5	Toluene-D8	93%	71-130%
460-00-4	4-Bromofluorobenzene	96%	59-148%
17060-07-0	1,2-Dichloroethane-D4	109%	77-123%

Blank Spike Summary

Job Number: F61662
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2058-BS	G0054378.D	1	11/25/08	MM	n/a	n/a	VG2058

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61662-1, F61662-2, F61662-3, F61662-4, F61662-7, F61662-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	131	52*	61-144
75-05-8	Acetonitrile	500	372	74	59-139
107-02-8	Acrolein	250	85.1	34	27-156
107-13-1	Acrylonitrile	250	190	76	55-144
107-05-1	Allyl chloride	50	65.9	132	41-152
71-43-2	Benzene	50	57.0	114	78-130
100-44-7	Benzyl Chloride	50	45.4	91	74-130
108-86-1	Bromobenzene	50	57.0	114	78-123
74-97-5	Bromochloromethane	50	45.1	90	72-122
75-27-4	Bromodichloromethane	50	50.6	101	73-122
75-25-2	Bromoform	50	46.2	92	70-139
104-51-8	n-Butylbenzene	50	62.8	126	80-138
135-98-8	sec-Butylbenzene	50	62.1	124	82-132
98-06-6	tert-Butylbenzene	50	62.6	125	79-130
108-90-7	Chlorobenzene	50	55.9	112	83-122
75-00-3	Chloroethane	50	61.3	123	61-153
67-66-3	Chloroform	50	56.6	113	79-129
544-10-5	1-Chlorohexane	50	56.7	113	85-137
95-49-8	o-Chlorotoluene	50	59.6	119	77-123
106-43-4	p-Chlorotoluene	50	60.8	122	78-129
110-75-8	2-Chloroethyl vinyl ether	250	270	108	52-142
75-15-0	Carbon disulfide	50	48.5	97	61-142
56-23-5	Carbon tetrachloride	50	60.4	121	79-135
75-34-3	1,1-Dichloroethane	50	58.3	117	77-132
75-35-4	1,1-Dichloroethylene	50	56.3	113	66-132
563-58-6	1,1-Dichloropropene	50	60.7	121	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	47.2	94	67-129
106-93-4	1,2-Dibromoethane	50	46.9	94	77-126
107-06-2	1,2-Dichloroethane	50	48.3	97	78-129
78-87-5	1,2-Dichloropropane	50	52.9	106	74-127
142-28-9	1,3-Dichloropropane	50	47.6	95	78-118
594-20-7	2,2-Dichloropropane	50	65.1	130	80-137
124-48-1	Dibromochloromethane	50	51.3	103	78-117
75-71-8	Dichlorodifluoromethane	50	60.2	120	35-162
156-59-2	cis-1,2-Dichloroethylene	50	51.8	104	74-123
10061-01-5	cis-1,3-Dichloropropene	50	53.3	107	79-130

Blank Spike Summary

Job Number: F61662
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2058-BS	G0054378.D	1	11/25/08	MM	n/a	n/a	VG2058

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61662-1, F61662-2, F61662-3, F61662-4, F61662-7, F61662-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	55.5	111	71-126
541-73-1	m-Dichlorobenzene	50	58.2	116	82-126
95-50-1	o-Dichlorobenzene	50	56.6	113	83-123
106-46-7	p-Dichlorobenzene	50	58.8	118	84-124
156-60-5	trans-1,2-Dichloroethylene	50	56.3	113	77-129
10061-02-6	trans-1,3-Dichloropropene	50	55.7	111	87-131
100-41-4	Ethylbenzene	50	58.4	117	82-124
97-63-2	Ethyl methacrylate	50	52.8	106	78-118
76-13-1	Freon 113	50	53.1	106	62-147
591-78-6	2-Hexanone	250	196	78	67-130
87-68-3	Hexachlorobutadiene	50	66.6	133	77-150
110-54-3	Hexane	50	66.7	133	65-147
98-82-8	Isopropylbenzene	50	63.9	128	82-133
99-87-6	p-Isopropyltoluene	50	63.2	126	82-132
108-10-1	4-Methyl-2-pentanone	250	217	87	69-125
126-98-7	Methacrylonitrile	500	449	90	70-138
74-83-9	Methyl bromide	50	69.9	140	60-146
74-87-3	Methyl chloride	50	57.9	116	58-163
74-88-4	Methyl iodide	50	43.9	88	66-128
80-62-6	Methyl methacrylate	50	50.0	100	73-125
74-95-3	Methylene bromide	50	47.5	95	75-128
75-09-2	Methylene chloride	50	50.4	101	62-140
78-93-3	Methyl ethyl ketone	250	156	62*	66-134
1634-04-4	Methyl Tert Butyl Ether	50	47.2	94	70-131
91-20-3	Naphthalene	50	52.5	105	59-143
76-01-7	Pentachloroethane	50	65.6	131	64-156
107-12-0	Propionitrile	500	396	79	73-133
103-65-1	n-Propylbenzene	50	61.8	124	78-129
100-42-5	Styrene	50	57.1	114	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	52.2	104	81-121
71-55-6	1,1,1-Trichloroethane	50	62.6	125	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	47.9	96	70-128
79-00-5	1,1,2-Trichloroethane	50	47.5	95	76-118
87-61-6	1,2,3-Trichlorobenzene	50	61.2	122	78-136
96-18-4	1,2,3-Trichloropropane	50	44.7	89	74-125
120-82-1	1,2,4-Trichlorobenzene	50	61.4	123	82-137

Blank Spike Summary

Job Number: F61662
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2058-BS	G0054378.D	1	11/25/08	MM	n/a	n/a	VG2058

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61662-1, F61662-2, F61662-3, F61662-4, F61662-7, F61662-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	61.1	122	77-129
108-67-8	1,3,5-Trimethylbenzene	50	60.7	121	79-129
127-18-4	Tetrachloroethylene	50	61.4	123	79-132
108-88-3	Toluene	50	57.2	114	80-123
79-01-6	Trichloroethylene	50	56.1	112	78-132
75-69-4	Trichlorofluoromethane	50	55.9	112	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	95.1	190*	74-138
75-01-4	Vinyl chloride	50	57.6	115	60-145
108-05-4	Vinyl Acetate	250	319	128	25-164
	m,p-Xylene	100	118	118	82-128
95-47-6	o-Xylene	50	58.1	116	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	80-121%
2037-26-5	Toluene-D8	99%	71-130%
460-00-4	4-Bromofluorobenzene	101%	59-148%
17060-07-0	1,2-Dichloroethane-D4	90%	77-123%

Blank Spike Summary

Job Number: F61662
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2059-BS	G0054403.D	1	11/26/08	MM	n/a	n/a	VG2059

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61662-2, F61662-3, F61662-5, F61662-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	121	48*	61-144
75-05-8	Acetonitrile	500	379	76	59-139
107-02-8	Acrolein	250	59.0	24*	27-156
107-13-1	Acrylonitrile	250	179	72	55-144
107-05-1	Allyl chloride	50	52.9	106	41-152
71-43-2	Benzene	50	52.1	104	78-130
100-44-7	Benzyl Chloride	50	42.5	85	74-130
108-86-1	Bromobenzene	50	51.6	103	78-123
74-97-5	Bromochloromethane	50	44.5	89	72-122
75-27-4	Bromodichloromethane	50	46.0	92	73-122
75-25-2	Bromoform	50	42.1	84	70-139
104-51-8	n-Butylbenzene	50	54.5	109	80-138
135-98-8	sec-Butylbenzene	50	54.7	109	82-132
98-06-6	tert-Butylbenzene	50	54.4	109	79-130
108-90-7	Chlorobenzene	50	52.4	105	83-122
75-00-3	Chloroethane	50	55.3	111	61-153
67-66-3	Chloroform	50	51.6	103	79-129
544-10-5	1-Chlorohexane	50	48.5	97	85-137
95-49-8	o-Chlorotoluene	50	53.4	107	77-123
106-43-4	p-Chlorotoluene	50	54.3	109	78-129
110-75-8	2-Chloroethyl vinyl ether	250	248	99	52-142
75-15-0	Carbon disulfide	50	41.5	83	61-142
56-23-5	Carbon tetrachloride	50	54.2	108	79-135
75-34-3	1,1-Dichloroethane	50	51.2	102	77-132
75-35-4	1,1-Dichloroethylene	50	48.6	97	66-132
563-58-6	1,1-Dichloropropene	50	52.5	105	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	46.0	92	67-129
106-93-4	1,2-Dibromoethane	50	42.5	85	77-126
107-06-2	1,2-Dichloroethane	50	44.7	89	78-129
78-87-5	1,2-Dichloropropane	50	47.9	96	74-127
142-28-9	1,3-Dichloropropane	50	42.7	85	78-118
594-20-7	2,2-Dichloropropane	50	54.7	109	80-137
124-48-1	Dibromochloromethane	50	46.4	93	78-117
75-71-8	Dichlorodifluoromethane	50	56.2	112	35-162
156-59-2	cis-1,2-Dichloroethylene	50	48.7	97	74-123
10061-01-5	cis-1,3-Dichloropropene	50	47.7	95	79-130

Blank Spike Summary

Job Number: F61662
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2059-BS	G0054403.D	1	11/26/08	MM	n/a	n/a	VG2059

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61662-2, F61662-3, F61662-5, F61662-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	47.5	95	71-126
541-73-1	m-Dichlorobenzene	50	53.9	108	82-126
95-50-1	o-Dichlorobenzene	50	53.6	107	83-123
106-46-7	p-Dichlorobenzene	50	53.8	108	84-124
156-60-5	trans-1,2-Dichloroethylene	50	50.1	100	77-129
10061-02-6	trans-1,3-Dichloropropene	50	48.8	98	87-131
100-41-4	Ethylbenzene	50	51.9	104	82-124
97-63-2	Ethyl methacrylate	50	44.1	88	78-118
76-13-1	Freon 113	50	51.4	103	62-147
591-78-6	2-Hexanone	250	182	73	67-130
87-68-3	Hexachlorobutadiene	50	62.3	125	77-150
110-54-3	Hexane	50	56.3	113	65-147
98-82-8	Isopropylbenzene	50	55.5	111	82-133
99-87-6	p-Isopropyltoluene	50	55.6	111	82-132
108-10-1	4-Methyl-2-pentanone	250	201	80	69-125
126-98-7	Methacrylonitrile	500	411	82	70-138
74-83-9	Methyl bromide	50	54.8	110	60-146
74-87-3	Methyl chloride	50	53.5	107	58-163
74-88-4	Methyl iodide	50	40.2	80	66-128
80-62-6	Methyl methacrylate	50	43.2	86	73-125
74-95-3	Methylene bromide	50	45.9	92	75-128
75-09-2	Methylene chloride	50	42.1	84	62-140
78-93-3	Methyl ethyl ketone	250	146	58*	66-134
1634-04-4	Methyl Tert Butyl Ether	50	44.8	90	70-131
91-20-3	Naphthalene	50	49.5	99	59-143
76-01-7	Pentachloroethane	50	58.3	117	64-156
107-12-0	Propionitrile	500	387	77	73-133
103-65-1	n-Propylbenzene	50	53.2	106	78-129
100-42-5	Styrene	50	52.2	104	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	49.4	99	81-121
71-55-6	1,1,1-Trichloroethane	50	53.9	108	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	43.8	88	70-128
79-00-5	1,1,2-Trichloroethane	50	43.9	88	76-118
87-61-6	1,2,3-Trichlorobenzene	50	57.3	115	78-136
96-18-4	1,2,3-Trichloropropane	50	41.8	84	74-125
120-82-1	1,2,4-Trichlorobenzene	50	57.4	115	82-137

Blank Spike Summary

Job Number: F61662
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2059-BS	G0054403.D	1	11/26/08	MM	n/a	n/a	VG2059

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61662-2, F61662-3, F61662-5, F61662-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	54.0	108	77-129
108-67-8	1,3,5-Trimethylbenzene	50	54.1	108	79-129
127-18-4	Tetrachloroethylene	50	53.6	107	79-132
108-88-3	Toluene	50	50.3	101	80-123
79-01-6	Trichloroethylene	50	50.7	101	78-132
75-69-4	Trichlorofluoromethane	50	50.0	100	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	89.0	178*	74-138
75-01-4	Vinyl chloride	50	49.9	100	60-145
108-05-4	Vinyl Acetate	250	264	106	25-164
	m,p-Xylene	100	105	105	82-128
95-47-6	o-Xylene	50	52.0	104	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	80-121%
2037-26-5	Toluene-D8	97%	71-130%
460-00-4	4-Bromofluorobenzene	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	95%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61662
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61622-1MS	G0054382.D	1	11/25/08	MM	n/a	n/a	VG2058
F61622-1MSD	G0054383.D	1	11/25/08	MM	n/a	n/a	VG2058
F61622-1	G0054381.D	1	11/25/08	MM	n/a	n/a	VG2058

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61662-1, F61662-2, F61662-3, F61662-4, F61662-7, F61662-8

CAS No.	Compound	F61622-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		316	163	52*	170	53*	4	61-144/29
75-05-8	Acetonitrile	ND		633	416	66	454	71	9	59-139/30
107-02-8	Acrolein	ND		316	86.1	27	87.4	27	1	27-156/39
107-13-1	Acrylonitrile	ND		316	267	84	270	84	1	55-144/24
107-05-1	Allyl chloride	ND		63.3	67.7	107	64.0	100	6	41-152/24
71-43-2	Benzene	ND		63.3	66.5	105	63.8	100	4	78-130/25
100-44-7	Benzyl Chloride	ND		63.3	52.5	83	48.3	76	8	74-130/28
108-86-1	Bromobenzene	ND		63.3	66.5	105	60.9	95	9	78-123/30
74-97-5	Bromochloromethane	ND		63.3	55.1	87	55.4	87	1	72-122/23
75-27-4	Bromodichloromethane	ND		63.3	60.5	96	59.3	93	2	73-122/25
75-25-2	Bromoform	ND		63.3	56.7	90	58.1	91	2	70-139/26
104-51-8	n-Butylbenzene	ND		63.3	69.2	109	63.4	99	9	80-138/31
135-98-8	sec-Butylbenzene	ND		63.3	69.0	109	61.6	96	11	82-132/29
98-06-6	tert-Butylbenzene	ND		63.3	70.7	112	63.7	100	10	79-130/29
108-90-7	Chlorobenzene	ND		63.3	64.6	102	61.0	95	6	83-122/23
75-00-3	Chloroethane	ND		63.3	72.2	114	66.4	104	8	61-153/31
67-66-3	Chloroform	ND		63.3	66.7	105	65.5	102	2	79-129/27
544-10-5	1-Chlorohexane	ND		63.3	63.9	101	59.2	93	8	85-137/29
95-49-8	o-Chlorotoluene	ND		63.3	68.2	108	62.5	98	9	77-123/31
106-43-4	p-Chlorotoluene	ND		63.3	68.4	108	64.4	101	6	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		316	352	111	342	107	3	52-142/25
75-15-0	Carbon disulfide	ND		63.3	56.6	89	51.9	81	9	61-142/27
56-23-5	Carbon tetrachloride	ND		63.3	69.6	110	64.2	100	8	79-135/29
75-34-3	1,1-Dichloroethane	ND		63.3	67.3	106	64.2	100	5	77-132/26
75-35-4	1,1-Dichloroethylene	ND		63.3	67.2	106	61.1	96	10	66-132/27
563-58-6	1,1-Dichloropropene	ND		63.3	68.8	109	64.4	101	7	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		63.3	62.7	99	55.5	87	12	67-129/29
106-93-4	1,2-Dibromoethane	ND		63.3	58.8	93	57.2	89	3	77-126/24
107-06-2	1,2-Dichloroethane	ND		63.3	58.8	93	58.7	92	0	78-129/24
78-87-5	1,2-Dichloropropane	ND		63.3	64.7	102	61.4	96	5	74-127/27
142-28-9	1,3-Dichloropropane	ND		63.3	57.5	91	57.5	90	0	78-118/26
594-20-7	2,2-Dichloropropane	ND		63.3	70.0	111	64.5	101	8	80-137/28
124-48-1	Dibromochloromethane	ND		63.3	61.0	96	61.6	96	1	78-117/27
75-71-8	Dichlorodifluoromethane	ND		63.3	71.3	113	67.5	106	5	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		63.3	62.6	99	57.9	91	8	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		63.3	64.8	102	62.4	98	4	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61662
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61622-1MS	G0054382.D	1	11/25/08	MM	n/a	n/a	VG2058
F61622-1MSD	G0054383.D	1	11/25/08	MM	n/a	n/a	VG2058
F61622-1	G0054381.D	1	11/25/08	MM	n/a	n/a	VG2058

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61662-1, F61662-2, F61662-3, F61662-4, F61662-7, F61662-8

CAS No.	Compound	F61622-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		63.3	59.2	94	54.5	85	8	71-126/28
541-73-1	m-Dichlorobenzene	ND		63.3	66.5	105	62.9	98	6	82-126/29
95-50-1	o-Dichlorobenzene	ND		63.3	66.0	104	63.1	99	4	83-123/28
106-46-7	p-Dichlorobenzene	ND		63.3	67.4	106	63.9	100	5	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		63.3	67.3	106	62.4	98	8	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		63.3	64.9	103	63.6	99	2	87-131/27
100-41-4	Ethylbenzene	ND		63.3	68.0	107	63.4	99	7	82-124/25
97-63-2	Ethyl methacrylate	ND		63.3	59.5	94	60.0	94	1	78-118/30
76-13-1	Freon 113	ND		63.3	63.9	101	55.5	87	14	62-147/29
591-78-6	2-Hexanone	ND		316	246	78	254	79	3	67-130/29
87-68-3	Hexachlorobutadiene	ND		63.3	75.2	119	67.5	106	11	77-150/36
110-54-3	Hexane	ND		63.3	73.0	115	70.8	111	3	65-147/27
98-82-8	Isopropylbenzene	70.9		63.3	72.5	3*	68.6	-4*	6	82-133/27
99-87-6	p-Isopropyltoluene	ND		63.3	69.6	110	63.5	99	9	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		316	292	92	290	91	1	69-125/24
126-98-7	Methacrylonitrile	ND		633	526	83	533	83	1	70-138/22
74-83-9	Methyl bromide	ND		63.3	84.7	134	72.4	113	16	60-146/31
74-87-3	Methyl chloride	ND		63.3	69.3	109	65.4	102	6	58-163/26
74-88-4	Methyl iodide	ND		63.3	51.7	82	48.2	75	7	66-128/27
80-62-6	Methyl methacrylate	ND		63.3	59.8	94	59.2	93	1	73-125/24
74-95-3	Methylene bromide	ND		63.3	63.2	100	61.1	96	3	75-128/26
75-09-2	Methylene chloride	10.5	B	63.3	61.5	81	57.7	74	6	62-140/25
78-93-3	Methyl ethyl ketone	ND		316	194	61*	196	61*	1	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		63.3	57.1	90	58.5	91	2	70-131/25
91-20-3	Naphthalene	ND		63.3	66.9	106	62.1	97	7	59-143/31
76-01-7	Pentachloroethane	ND		63.3	72.1	114	64.5	101	11	64-156/37
107-12-0	Propionitrile	ND		633	483	76	508	79	5	73-133/23
103-65-1	n-Propylbenzene	ND		63.3	69.4	110	62.4	98	11	78-129/29
100-42-5	Styrene	ND		63.3	64.9	103	64.9	102	0	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		63.3	60.9	96	60.7	95	0	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		63.3	69.5	110	65.4	102	6	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		63.3	63.0	100	60.4	94	4	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		63.3	59.5	94	59.5	93	0	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		63.3	70.4	111	67.3	105	5	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		63.3	59.5	94	51.8	81	14	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		63.3	71.0	112	65.7	103	8	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61662
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61622-1MS	G0054382.D	1	11/25/08	MM	n/a	n/a	VG2058
F61622-1MSD	G0054383.D	1	11/25/08	MM	n/a	n/a	VG2058
F61622-1	G0054381.D	1	11/25/08	MM	n/a	n/a	VG2058

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61662-1, F61662-2, F61662-3, F61662-4, F61662-7, F61662-8

CAS No.	Compound	F61622-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		63.3	68.5	108	64.0	100	7	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		63.3	70.3	111	62.5	98	12	79-129/31
127-18-4	Tetrachloroethylene	ND		63.3	69.1	109	66.7	104	4	79-132/27
108-88-3	Toluene	ND		63.3	65.4	103	61.6	96	6	80-123/26
79-01-6	Trichloroethylene	ND		63.3	67.4	106	60.7	95	10	78-132/28
75-69-4	Trichlorofluoromethane	ND		63.3	65.4	103	58.5	91	11	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		63.3	119	188*	103	161*	14	74-138/30
75-01-4	Vinyl chloride	ND		63.3	68.9	109	60.5	95	13	60-145/29
108-05-4	Vinyl Acetate	ND		316	339	107	366	114	8	25-164/35
	m,p-Xylene	ND		127	136	107	130	102	5	82-128/25
95-47-6	o-Xylene	ND		63.3	67.3	106	64.2	100	5	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61622-1	Limits
1868-53-7	Dibromofluoromethane	101%	105%	101%	80-121%
2037-26-5	Toluene-D8	100%	99%	94%	71-130%
460-00-4	4-Bromofluorobenzene	95%	93%	98%	59-148%
17060-07-0	1,2-Dichloroethane-D4	97%	99%	116%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61662
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61622-7MS	G0054412.D	1	11/26/08	MM	n/a	n/a	VG2059
F61622-7MSD	G0054413.D	1	11/26/08	MM	n/a	n/a	VG2059
F61622-7	G0054407.D	1	11/26/08	MM	n/a	n/a	VG2059

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61662-2, F61662-3, F61662-5, F61662-6

CAS No.	Compound	F61622-7 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		327	133	41*	137	42*	3	61-144/29
75-05-8	Acetonitrile	ND		654	474	73	452	69	5	59-139/30
107-02-8	Acrolein	ND		327	15.7	5*	14.6	4*	7	27-156/39
107-13-1	Acrylonitrile	ND		327	193	59	187	57	3	55-144/24
107-05-1	Allyl chloride	ND		65.4	ND	0*	ND	0*	nc	41-152/24
71-43-2	Benzene	ND		65.4	70.4	108	66.9	103	5	78-130/25
100-44-7	Benzyl Chloride	ND		65.4	41.2	63*	39.5	61*	4	74-130/28
108-86-1	Bromobenzene	ND		65.4	66.1	101	63.6	98	4	78-123/30
74-97-5	Bromochloromethane	ND		65.4	57.0	87	55.7	85	2	72-122/23
75-27-4	Bromodichloromethane	ND		65.4	62.4	95	58.1	89	7	73-122/25
75-25-2	Bromoform	ND		65.4	57.4	88	46.9	72	20	70-139/26
104-51-8	n-Butylbenzene	ND		65.4	66.2	101	64.5	99	3	80-138/31
135-98-8	sec-Butylbenzene	ND		65.4	68.5	105	66.4	102	3	82-132/29
98-06-6	tert-Butylbenzene	ND		65.4	70.3	108	68.6	105	2	79-130/29
108-90-7	Chlorobenzene	ND		65.4	68.6	105	65.2	100	5	83-122/23
75-00-3	Chloroethane	ND		65.4	78.6	120	75.0	115	5	61-153/31
67-66-3	Chloroform	ND		65.4	69.3	106	67.1	103	3	79-129/27
544-10-5	1-Chlorohexane	ND		65.4	64.6	99	61.3	94	5	85-137/29
95-49-8	o-Chlorotoluene	ND		65.4	68.4	105	64.2	98	6	77-123/31
106-43-4	p-Chlorotoluene	ND		65.4	68.5	105	65.3	100	5	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		327	343	105	342	105	0	52-142/25
75-15-0	Carbon disulfide	ND		65.4	58.4	89	55.2	85	6	61-142/27
56-23-5	Carbon tetrachloride	ND		65.4	75.3	115	71.0	109	6	79-135/29
75-34-3	1,1-Dichloroethane	ND		65.4	67.9	104	65.1	100	4	77-132/26
75-35-4	1,1-Dichloroethylene	ND		65.4	69.5	106	66.7	102	4	66-132/27
563-58-6	1,1-Dichloropropene	ND		65.4	70.3	108	69.3	106	1	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		65.4	57.3	88	59.7	92	4	67-129/29
106-93-4	1,2-Dibromoethane	ND		65.4	58.5	89	58.1	89	1	77-126/24
107-06-2	1,2-Dichloroethane	15.9		65.4	62.9	72*	61.1	69*	3	78-129/24
78-87-5	1,2-Dichloropropane	ND		65.4	65.7	101	63.1	97	4	74-127/27
142-28-9	1,3-Dichloropropane	ND		65.4	59.6	91	57.4	88	4	78-118/26
594-20-7	2,2-Dichloropropane	ND		65.4	65.3	100	62.5	96	4	80-137/28
124-48-1	Dibromochloromethane	ND		65.4	61.9	95	60.3	92	3	78-117/27
75-71-8	Dichlorodifluoromethane	ND		65.4	77.6	119	75.5	116	3	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		65.4	62.2	95	60.5	93	3	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		65.4	61.2	94	60.5	93	1	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61662
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61622-7MS	G0054412.D	1	11/26/08	MM	n/a	n/a	VG2059
F61622-7MSD	G0054413.D	1	11/26/08	MM	n/a	n/a	VG2059
F61622-7	G0054407.D	1	11/26/08	MM	n/a	n/a	VG2059

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61662-2, F61662-3, F61662-5, F61662-6

CAS No.	Compound	F61622-7 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		65.4	ND	0*	ND	0*	nc	71-126/28
541-73-1	m-Dichlorobenzene	ND		65.4	68.7	105	65.4	100	5	82-126/29
95-50-1	o-Dichlorobenzene	ND		65.4	67.3	103	64.8	99	4	83-123/28
106-46-7	p-Dichlorobenzene	ND		65.4	68.7	105	66.5	102	3	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		65.4	68.3	104	67.0	103	2	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		65.4	65.1	100	64.0	98	2	87-131/27
100-41-4	Ethylbenzene	ND		65.4	72.5	111	68.0	104	6	82-124/25
97-63-2	Ethyl methacrylate	ND		65.4	ND	0*	ND	0*	nc	78-118/30
76-13-1	Freon 113	ND		65.4	73.0	112	63.0	97	15	62-147/29
591-78-6	2-Hexanone	ND		327	210	64*	210	64*	0	67-130/29
87-68-3	Hexachlorobutadiene	ND		65.4	72.1	110	72.2	111	0	77-150/36
110-54-3	Hexane	ND		65.4	68.7	105	60.0	92	14	65-147/27
98-82-8	Isopropylbenzene	ND		65.4	77.1	118	72.9	112	6	82-133/27
99-87-6	p-Isopropyltoluene	ND		65.4	70.5	108	68.0	104	4	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		327	278	85	280	86	1	69-125/24
126-98-7	Methacrylonitrile	ND		654	32.4	5*	30.6	5*	6	70-138/22
74-83-9	Methyl bromide	ND		65.4	89.3	137	91.6	140	3	60-146/31
74-87-3	Methyl chloride	ND		65.4	71.3	109	68.7	105	4	58-163/26
74-88-4	Methyl iodide	ND		65.4	54.1	83	50.9	78	6	66-128/27
80-62-6	Methyl methacrylate	ND		65.4	53.4	82	53.9	83	1	73-125/24
74-95-3	Methylene bromide	ND		65.4	61.0	93	61.2	94	0	75-128/26
75-09-2	Methylene chloride	5.3	J	65.4	67.6	95	72.5	103	7	62-140/25
78-93-3	Methyl ethyl ketone	ND		327	165	50*	162	50*	2	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		65.4	59.2	91	58.2	89	2	70-131/25
91-20-3	Naphthalene	ND		65.4	63.8	98	64.6	99	1	59-143/31
76-01-7	Pentachloroethane	ND		65.4	ND	0*	ND	0*	nc	64-156/37
107-12-0	Propionitrile	ND		654	ND	0*	ND	0*	nc	73-133/23
103-65-1	n-Propylbenzene	ND		65.4	66.7	102	64.3	99	4	78-129/29
100-42-5	Styrene	ND		65.4	70.3	108	64.1	98	9	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		65.4	66.4	102	61.5	94	8	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		65.4	72.1	110	71.3	109	1	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		65.4	57.8	88	60.3	92	4	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		65.4	61.6	94	61.1	94	1	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		65.4	70.0	107	70.2	108	0	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		65.4	54.0	83	53.9	83	0	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		65.4	71.2	109	70.5	108	1	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61662
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61622-7MS	G0054412.D	1	11/26/08	MM	n/a	n/a	VG2059
F61622-7MSD	G0054413.D	1	11/26/08	MM	n/a	n/a	VG2059
F61622-7	G0054407.D	1	11/26/08	MM	n/a	n/a	VG2059

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61662-2, F61662-3, F61662-5, F61662-6

CAS No.	Compound	F61622-7 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		65.4	71.3	109	67.7	104	5	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		65.4	69.1	106	65.7	101	5	79-129/31
127-18-4	Tetrachloroethylene	ND		65.4	71.0	109	67.8	104	5	79-132/27
108-88-3	Toluene	ND		65.4	69.8	107	66.6	102	5	80-123/26
79-01-6	Trichloroethylene	ND		65.4	72.9	112	67.9	104	7	78-132/28
75-69-4	Trichlorofluoromethane	ND		65.4	71.7	110	69.2	106	4	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		65.4	101	155*	96.0	147*	5	74-138/30
75-01-4	Vinyl chloride	ND		65.4	73.9	113	70.6	108	5	60-145/29
108-05-4	Vinyl Acetate	ND		327	34.1	10*	17.7	5*	63*	25-164/35
	m,p-Xylene	ND		131	146	112	137	105	6	82-128/25
95-47-6	o-Xylene	ND		65.4	72.7	111	67.5	103	7	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61622-7	Limits
1868-53-7	Dibromofluoromethane	99%	102%	102%	80-121%
2037-26-5	Toluene-D8	101%	100%	94%	71-130%
460-00-4	4-Bromofluorobenzene	93%	93%	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	98%	101%	114%	77-123%

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61662
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1953-MB	QR044882.D	1	11/28/08	AH	n/a	n/a	GQR1953

The QC reported here applies to the following samples: **Method:** SW846 8015

F61662-1, F61662-2, F61662-3, F61662-4, F61662-5, F61662-6, F61662-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	79%	56-136%
98-08-8	aaa-Trifluorotoluene	80%	61-121%

Blank Spike Summary

Job Number: F61662
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1953-BS	QR044881.D	1	11/28/08	AH	n/a	n/a	GQR1953

The QC reported here applies to the following samples: **Method:** SW846 8015

F61662-1, F61662-2, F61662-3, F61662-4, F61662-5, F61662-6, F61662-7

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	18.4	92	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	111%	56-136%
98-08-8	aaa-Trifluorotoluene	101%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61662
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61623-12MS	QR044904.D	1	11/28/08	AH	n/a	n/a	GQR1953
F61623-12MSD	QR044905.D	1	11/28/08	AH	n/a	n/a	GQR1953
F61623-12	QR044901.D	1	11/28/08	AH	n/a	n/a	GQR1953

The QC reported here applies to the following samples: **Method:** SW846 8015

F61662-1, F61662-2, F61662-3, F61662-4, F61662-5, F61662-6, F61662-7

CAS No.	Compound	F61623-12 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		42.2	39.6	94	39.8	94	1	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61623-12	Limits
460-00-4	4-Bromofluorobenzene	95%	99%	81%	56-136%
98-08-8	aaa-Trifluorotoluene	98%	98%	79%	61-121%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61662
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27215-MB	LL23996.D	1	11/21/08	ME	11/21/08	OP27215	GLL901

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61662-1, F61662-2, F61662-3, F61662-4, F61662-5, F61662-6, F61662-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	87%	49-108%

Method Blank Summary

Job Number: F61662
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27215-MB	LL24075.D	1	11/25/08	ME	11/21/08	OP27215	GLL903

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61662-1, F61662-2, F61662-3, F61662-4, F61662-5, F61662-6, F61662-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	84%	49-108%

Blank Spike Summary

Job Number: F61662
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27215-BS	LL23995.D	1	11/21/08	ME	11/21/08	OP27215	GLL901

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61662-1, F61662-2, F61662-3, F61662-4, F61662-5, F61662-6, F61662-7

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	29.1	87	64-102
	TPH (> C22-C36)	33.3	35.5	107	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	90%	49-108%

Blank Spike Summary

Job Number: F61662
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27215-BS	LL24074.D	1	11/25/08	ME	11/21/08	OP27215	GLL903

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61662-1, F61662-2, F61662-3, F61662-4, F61662-5, F61662-6, F61662-7

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	28.5	86	64-102
	TPH (> C22-C36)	33.3	31.6	95	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	88%	49-108%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61662
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27215-MS	LL24022.D	1	11/22/08	ME	11/21/08	OP27215	GLL901
OP27215-MSD	LL24023.D	1	11/22/08	ME	11/21/08	OP27215	GLL901
F61622-7	LL24009.D	1	11/22/08	ME	11/21/08	OP27215	GLL901

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61662-1, F61662-2, F61662-3, F61662-4, F61662-5, F61662-6, F61662-7

CAS No.	Compound	F61622-7 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		40.1	34.3	86	33.2	83	3	64-102/32
	TPH (> C22-C36)	ND		40.1	37.9	95	42.1	105	11	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F61622-7	Limits
84-15-1	o-Terphenyl	87%	88%	89%	49-108%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/15/08

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F61707

Sampling Date: 11/19/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: 75

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.

Test results relate only to samples analyzed.

Sections: 1 2 3 4 5 6 7

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F61707-1: SS61-SB09-23 7
3.2: F61707-2: SS61-SB09-28 12
3.3: F61707-3: SS61-SB09-35 17
3.4: F61707-4: SS61-SB10-16 22
3.5: F61707-5: SS61-SB10-28 27
3.6: F61707-6: SS61-SB10-28-a 32
3.7: F61707-7: SS61-SB10-35 37
3.8: F61707-8: TRIP BLANK 42
Section 4: Misc. Forms **45**
4.1: Chain of Custody 46
Section 5: GC/MS Volatiles - QC Data Summaries **48**
5.1: Method Blank Summary 49
5.2: Blank Spike Summary 54
5.3: Matrix Spike/Matrix Spike Duplicate Summary 59
Section 6: GC Volatiles - QC Data Summaries **64**
6.1: Method Blank Summary 65
6.2: Blank Spike Summary 67
6.3: Matrix Spike/Matrix Spike Duplicate Summary 69
Section 7: GC Semi-volatiles - QC Data Summaries **71**
7.1: Method Blank Summary 72
7.2: Blank Spike Summary 74
7.3: Matrix Spike/Matrix Spike Duplicate Summary 75

Sample Summary

North Wind, Inc

Job No: F61707

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F61707-1	11/19/08	00:00	ZB	11/21/08	SO	Soil	SS61-SB09-23
F61707-2	11/19/08	00:00	ZB	11/21/08	SO	Soil	SS61-SB09-28
F61707-3	11/19/08	00:00	ZB	11/21/08	SO	Soil	SS61-SB09-35
F61707-4	11/19/08	00:00	ZB	11/21/08	SO	Soil	SS61-SB10-16
F61707-5	11/19/08	00:00	ZB	11/21/08	SO	Soil	SS61-SB10-28
F61707-6	11/19/08	00:00	ZB	11/21/08	SO	Soil	SS61-SB10-28-a
F61707-7	11/19/08	00:00	ZB	11/21/08	SO	Soil	SS61-SB10-35
F61707-8	11/19/08	00:00	ZB	11/21/08	SO	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F61707

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/10/2008 8:41:56

7 Samples, 1 Trip Blank were collected on 11/19/2008 and were received at Accutest on 11/21/2008 properly preserved, at 3.6 Deg. C and intact. These Samples received an Accutest job number of F61707. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2060

All samples were analyzed within the recommended method holding time.

Sample(s) F61590-1MS, F61590-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

BS/MS/MSD Recovery(s) for Acetone, Acrolein, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene are outside control limits. TDB biased high.

Sample(s) F61707-2, F61707-6 have surrogates outside control limits. Probable cause due to matrix interference.

F61707-5 for Methyl ethyl ketone: CCV and BS outside of control limits; results may be biased low.

F61707-1 for Methyl ethyl ketone: CCV and BS outside of control limits; results may be biased low.

F61707-2 for Acetone: CCV and BS outside of control limits; results may be biased low.

F61707-2 for Methyl ethyl ketone: CCV and BS outside of control limits; results may be biased low.

F61707-2 for Dibromofluoromethane: Outside control limits due to matrix interference.

F61707-2 for Toluene-D8: Outside control limits due to matrix interference.

F61707-3 for Acetone: CCV and BS outside of control limits; results may be biased low.

F61707-3 for Methyl ethyl ketone: CCV and BS outside of control limits; results may be biased low.

F61707-4 for Acetone: CCV and BS outside of control limits; results may be biased low.

F61707-5 for Acetone: CCV and BS outside of control limits; results may be biased low.

F61707-1 for Acetone: CCV and BS outside of control limits; results may be biased low.

F61707-5 for Methylene chloride: Suspected laboratory contaminant.

F61707-6 for Acetone: CCV and BS outside of control limits; results may be biased low.

F61707-6 for Methyl ethyl ketone: CCV and BS outside of control limits; results may be biased low.

F61707-6 for 1,2-Dichloroethane-D4: Outside control limits due to matrix interference.

F61707-6 for Dibromofluoromethane: Outside control limits due to matrix interference.

F61707-6 for Toluene-D8: Outside control limits due to matrix interference.

F61707-7 for Acetone: CCV and BS outside of control limits; results may be biased low.

F61707-7 for Methyl ethyl ketone: CCV and BS outside of control limits; results may be biased low.

F61707-8 for Acetone: CCV and BS outside of control limits; results may be biased low.

F61707-8 for Methyl ethyl ketone: CCV and BS outside of control limits; results may be biased low.

F61707-4 for Methyl ethyl ketone: CCV and BS outside of control limits; results may be biased low.

Matrix: SO **Batch ID:** VG2061

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2061

All samples were analyzed within the recommended method holding time.

Sample(s) F61708-1MS, F61708-1MSD were used as the QC samples indicated.

Sample(s) F61707-6 have compound(s) reported with a “B” qualifier, indicating analyte is found in the associated method blank.

Sample(s) F61707-2, F61707-6 have surrogates outside control limits. Probable cause due to matrix interference.

F61707-6 for Methylene chloride: Suspected laboratory contaminant.

Matrix: SO **Batch ID:** VG2062

All samples were analyzed within the recommended method holding time.
Sample(s) F61737-1MS, F61737-1MSD were used as the QC samples indicated.
Sample(s) F61707-2 have compound(s) reported with a "B" qualifier, indicating analyte is found in the associated method blank.
Matrix Spike Duplicate Recovery(s) for Methylene chloride are outside control limits. Probable cause due to matrix interference.

Sample(s) F61707-2, F61707-6 have surrogates outside control limits. Probable cause due to matrix interference.
F61707-2 for Methylene chloride: Suspected laboratory contaminant.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GCD3623

All samples were analyzed within the recommended method holding time.
All method blanks for this batch meet method specific criteria.
Sample(s) F61707-1MS, F61707-1MSD were used as the QC samples indicated.

Matrix: SO **Batch ID:** GCD3624

All samples were analyzed within the recommended method holding time.
All method blanks for this batch meet method specific criteria.
Sample(s) F61660-1MS, F61660-1MSD were used as the QC samples indicated.

Extractables by GC By Method SW846 8015 M

Matrix: SO **Batch ID:** OP27247

All samples were extracted within the recommended method holding time.
All samples were analyzed within the recommended method holding time.
Sample(s) F61737-1MS, F61737-1MSD were used as the QC samples indicated.
All method blanks for this batch meet method specific criteria.

Wet Chemistry By Method SM19 2540B M

Matrix: SO **Batch ID:** GN32929

Sample(s) F61707-1DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: December 10, 2008
Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-SB09-23		
Lab Sample ID:	F61707-1	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054449.D	1	11/28/08	MM	11/21/08 13:00	n/a	VG2060
Run #2							

	Initial Weight
Run #1	5.64 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	51	26	ug/kg	
75-05-8	Acetonitrile	ND	51	16	ug/kg	
107-02-8	Acrolein	ND	26	10	ug/kg	
107-13-1	Acrylonitrile	ND	26	7.1	ug/kg	
107-05-1	Allyl chloride	ND	26	5.1	ug/kg	
71-43-2	Benzene	ND	5.1	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.1	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.1	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.1	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.1	1.2	ug/kg	
75-25-2	Bromoform	ND	5.1	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.1	1.4	ug/kg	
135-98-8	sec-Butylbenzene	1.3	5.1	1.1	ug/kg	J
98-06-6	tert-Butylbenzene	ND	5.1	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.1	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.1	2.1	ug/kg	
67-66-3	Chloroform	ND	5.1	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.1	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.1	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.1	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	26	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.1	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.1	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.1	2.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.1	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.1	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.1	2.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.1	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.1	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.1	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.1	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.1	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB09-23		
Lab Sample ID:	F61707-1	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.1	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.1	2.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.1	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.1	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	26	5.1	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.1	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.1	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.1	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.1	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.1	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.1	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	26	5.1	ug/kg	
76-13-1	Freon 113	ND	5.1	2.7	ug/kg	
591-78-6	2-Hexanone	ND	26	5.1	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.1	1.2	ug/kg	
110-54-3	Hexane	ND	5.1	2.5	ug/kg	
98-82-8	Isopropylbenzene	56.0	5.1	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.1	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	26	6.6	ug/kg	
126-98-7	Methacrylonitrile	ND	26	5.6	ug/kg	
74-83-9	Methyl bromide	ND	5.1	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.1	2.5	ug/kg	
74-88-4	Methyl iodide	ND	10	2.1	ug/kg	
80-62-6	Methyl methacrylate	ND	26	5.1	ug/kg	
74-95-3	Methylene bromide	ND	5.1	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.1	ug/kg	
78-93-3	Methyl ethyl ketone [a]	ND	26	8.5	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.1	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.1	2.1	ug/kg	
76-01-7	Pentachloroethane	ND	26	5.1	ug/kg	
107-12-0	Propionitrile	ND	51	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.1	1.2	ug/kg	
100-42-5	Styrene	ND	5.1	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.1	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.1	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.1	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.1	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.1	2.1	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.1	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.1	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB09-23		
Lab Sample ID:	F61707-1	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.1	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.1	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.1	1.2	ug/kg	
108-88-3	Toluene	ND	5.1	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.1	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.1	2.1	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	26	5.1	ug/kg	
75-01-4	Vinyl chloride	ND	5.1	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	26	12	ug/kg	
	m,p-Xylene	ND	10	2.0	ug/kg	
95-47-6	o-Xylene	ND	5.1	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-121%
2037-26-5	Toluene-D8	98%		71-130%
460-00-4	4-Bromofluorobenzene	98%		59-148%
17060-07-0	1,2-Dichloroethane-D4	107%		77-123%

(a) CCV and BS outside of control limits; results may be biased low.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB09-23		
Lab Sample ID:	F61707-1	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	86.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086087.D	1	11/29/08	JG	11/21/08 13:00	n/a	GCD3623
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.68 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.9	2.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	84%		56-136%
98-08-8	aaa-Trifluorotoluene	86%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB09-23		
Lab Sample ID:	F61707-1	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	86.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10392.D	1	12/05/08	NY	11/24/08	OP27247	GYY372
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.5	5.7	mg/kg	
	TPH (> C22-C36)	ND	9.5	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	75%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB09-28		
Lab Sample ID:	F61707-2	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054450.D	1	11/28/08	MM	11/21/08 13:00	n/a	VG2060
Run #2	G0054537.D	1	12/02/08	MM	11/21/08 13:00	n/a	VG2062

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.19 g		
Run #2	5.25 g	5.0 ml	50.0 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	54	27	ug/kg	
75-05-8	Acetonitrile	ND	54	17	ug/kg	
107-02-8	Acrolein	ND	27	11	ug/kg	
107-13-1	Acrylonitrile	ND	27	7.5	ug/kg	
107-05-1	Allyl chloride	ND	27	5.4	ug/kg	
71-43-2	Benzene	130 [b]	600	120	ug/kg	J
100-44-7	Benzyl Chloride	ND	5.4	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.4	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.4	1.9	ug/kg	
75-27-4	Bromodichloromethane	ND	5.4	1.3	ug/kg	
75-25-2	Bromoform	ND	5.4	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	5.4	1.5	ug/kg	
135-98-8	sec-Butylbenzene	171	5.4	1.2	ug/kg	
98-06-6	tert-Butylbenzene	89.8	5.4	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.4	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.4	2.2	ug/kg	
67-66-3	Chloroform	ND	5.4	1.9	ug/kg	
544-10-5	1-Chlorohexane	ND	5.4	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.4	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.4	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	27	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.4	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.4	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.4	2.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.4	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.4	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.4	2.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.4	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.4	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.4	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.4	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.4	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB09-28		
Lab Sample ID:	F61707-2	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.4	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.4	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.4	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.4	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	27	5.4	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.4	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	58.7	5.4	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	17.1	5.4	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.4	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.4	1.1	ug/kg	
100-41-4	Ethylbenzene	681 [b]	600	120	ug/kg	
97-63-2	Ethyl methacrylate	ND	27	5.4	ug/kg	
76-13-1	Freon 113	ND	5.4	2.8	ug/kg	
591-78-6	2-Hexanone	ND	27	5.4	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.4	1.3	ug/kg	
110-54-3	Hexane	ND	5.4	2.6	ug/kg	
98-82-8	Isopropylbenzene	19000 [b]	600	130	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.4	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	27	7.0	ug/kg	
126-98-7	Methacrylonitrile	ND	27	6.0	ug/kg	
74-83-9	Methyl bromide	ND	5.4	2.4	ug/kg	
74-87-3	Methyl chloride	ND	5.4	2.6	ug/kg	
74-88-4	Methyl iodide	ND	11	2.2	ug/kg	
80-62-6	Methyl methacrylate	ND	27	5.4	ug/kg	
74-95-3	Methylene bromide	ND	5.4	1.6	ug/kg	
75-09-2	Methylene chloride [c]	621 [b]	1200	600	ug/kg	JB
78-93-3	Methyl ethyl ketone [a]	ND	27	9.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.4	1.6	ug/kg	
91-20-3	Naphthalene	3.5	5.4	2.2	ug/kg	J
76-01-7	Pentachloroethane	ND	27	5.4	ug/kg	
107-12-0	Propionitrile	ND	54	13	ug/kg	
103-65-1	n-Propylbenzene	1030 [b]	600	150	ug/kg	
100-42-5	Styrene	ND	5.4	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.4	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.4	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.4	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.4	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.4	2.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.4	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.4	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB09-28		
Lab Sample ID:	F61707-2	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	53.0	5.4	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	97.1	5.4	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.4	1.3	ug/kg	
108-88-3	Toluene	ND	5.4	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.4	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.4	2.2	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	27	5.4	ug/kg	
75-01-4	Vinyl chloride	ND	5.4	2.2	ug/kg	
108-05-4	Vinyl Acetate	ND	27	13	ug/kg	
	m,p-Xylene	180	11	2.1	ug/kg	
95-47-6	o-Xylene	150	5.4	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	76% [d]	99%	80-121%
2037-26-5	Toluene-D8	133% [d]	93%	71-130%
460-00-4	4-Bromofluorobenzene	97%	96%	59-148%
17060-07-0	1,2-Dichloroethane-D4	100%	113%	77-123%

(a) CCV and BS outside of control limits; results may be biased low.
(b) Result is from Run# 2
(c) Suspected laboratory contaminant.
(d) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB09-28		
Lab Sample ID:	F61707-2	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	88.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086121.D	1	12/01/08	JG	11/21/08 13:00	n/a	GCD3624
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.23 g	5.0 ml	20.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	122	30	15	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	104%		56-136%
98-08-8	aaa-Trifluorotoluene	106%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB09-28		
Lab Sample ID:	F61707-2	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	88.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10338.D	1	12/04/08	NY	11/24/08	OP27247	GYY372
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.3	5.6	mg/kg	
	TPH (> C22-C36)	ND	9.3	5.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	77%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB09-35		
Lab Sample ID:	F61707-3	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054451.D	1	11/28/08	MM	11/21/08 13:00	n/a	VG2060
Run #2							

	Initial Weight
Run #1	5.31 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	56	28	ug/kg	
75-05-8	Acetonitrile	ND	56	18	ug/kg	
107-02-8	Acrolein	ND	28	11	ug/kg	
107-13-1	Acrylonitrile	ND	28	7.7	ug/kg	
107-05-1	Allyl chloride	ND	28	5.6	ug/kg	
71-43-2	Benzene	ND	5.6	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.6	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.6	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.6	1.9	ug/kg	
75-27-4	Bromodichloromethane	ND	5.6	1.3	ug/kg	
75-25-2	Bromoform	ND	5.6	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	5.6	1.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.6	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.6	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.6	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.6	2.2	ug/kg	
67-66-3	Chloroform	ND	5.6	1.9	ug/kg	
544-10-5	1-Chlorohexane	ND	5.6	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.6	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.6	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	28	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.6	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.6	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.6	2.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.6	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.6	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.6	2.7	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.6	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.6	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.6	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.6	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.6	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB09-35		
Lab Sample ID:	F61707-3	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.6	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.6	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.6	1.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.6	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	28	5.6	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.6	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	2.7	5.6	1.1	ug/kg	J
106-46-7	p-Dichlorobenzene	ND	5.6	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.6	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.6	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.6	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	28	5.6	ug/kg	
76-13-1	Freon 113	ND	5.6	2.9	ug/kg	
591-78-6	2-Hexanone	ND	28	5.6	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.6	1.3	ug/kg	
110-54-3	Hexane	ND	5.6	2.7	ug/kg	
98-82-8	Isopropylbenzene	8.9	5.6	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.6	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	28	7.1	ug/kg	
126-98-7	Methacrylonitrile	ND	28	6.1	ug/kg	
74-83-9	Methyl bromide	ND	5.6	2.4	ug/kg	
74-87-3	Methyl chloride	ND	5.6	2.7	ug/kg	
74-88-4	Methyl iodide	ND	11	2.2	ug/kg	
80-62-6	Methyl methacrylate	ND	28	5.6	ug/kg	
74-95-3	Methylene bromide	ND	5.6	1.7	ug/kg	
75-09-2	Methylene chloride	ND	11	5.6	ug/kg	
78-93-3	Methyl ethyl ketone [a]	ND	28	9.2	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.6	1.7	ug/kg	
91-20-3	Naphthalene	ND	5.6	2.2	ug/kg	
76-01-7	Pentachloroethane	ND	28	5.6	ug/kg	
107-12-0	Propionitrile	ND	56	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.6	1.3	ug/kg	
100-42-5	Styrene	ND	5.6	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.6	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.6	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.6	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.6	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.6	2.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.6	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB09-35		
Lab Sample ID:	F61707-3	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.6	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.6	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.6	1.3	ug/kg	
108-88-3	Toluene	ND	5.6	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.6	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.6	2.2	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	28	5.6	ug/kg	
75-01-4	Vinyl chloride	ND	5.6	2.2	ug/kg	
108-05-4	Vinyl Acetate	ND	28	13	ug/kg	
	m,p-Xylene	ND	11	2.1	ug/kg	
95-47-6	o-Xylene	ND	5.6	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-121%
2037-26-5	Toluene-D8	98%		71-130%
460-00-4	4-Bromofluorobenzene	96%		59-148%
17060-07-0	1,2-Dichloroethane-D4	103%		77-123%

(a) CCV and BS outside of control limits; results may be biased low.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB09-35		
Lab Sample ID:	F61707-3	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	84.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086089.D	1	11/29/08	JG	11/21/08 13:00	n/a	GCD3623
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.16 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.6	3.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	84%		56-136%
98-08-8	aaa-Trifluorotoluene	87%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB09-35		
Lab Sample ID:	F61707-3	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	84.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10339.D	1	12/04/08	NY	11/24/08	OP27247	GYY372
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.6	5.8	mg/kg	
	TPH (> C22-C36)	ND	9.6	5.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	84%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB10-16		
Lab Sample ID:	F61707-4	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054452.D	1	11/28/08	MM	11/21/08 13:35	n/a	VG2060
Run #2							

	Initial Weight
Run #1	5.64 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	52	26	ug/kg	
75-05-8	Acetonitrile	ND	52	17	ug/kg	
107-02-8	Acrolein	ND	26	10	ug/kg	
107-13-1	Acrylonitrile	ND	26	7.2	ug/kg	
107-05-1	Allyl chloride	ND	26	5.2	ug/kg	
71-43-2	Benzene	ND	5.2	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.2	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.2	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.2	1.8	ug/kg	
75-27-4	Bromodichloromethane	ND	5.2	1.3	ug/kg	
75-25-2	Bromoform	ND	5.2	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	5.2	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.2	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.2	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.2	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.2	2.1	ug/kg	
67-66-3	Chloroform	ND	5.2	1.8	ug/kg	
544-10-5	1-Chlorohexane	ND	5.2	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.2	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.2	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	26	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.2	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.2	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.2	2.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.2	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.2	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.2	2.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.2	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.2	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.2	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.2	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.2	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB10-16		
Lab Sample ID:	F61707-4	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.2	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.2	2.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.2	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.2	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	26	5.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.2	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.2	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.2	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.2	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.2	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.2	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	26	5.2	ug/kg	
76-13-1	Freon 113	ND	5.2	2.7	ug/kg	
591-78-6	2-Hexanone	ND	26	5.2	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.2	1.3	ug/kg	
110-54-3	Hexane	ND	5.2	2.5	ug/kg	
98-82-8	Isopropylbenzene	31.5	5.2	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.2	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	26	6.7	ug/kg	
126-98-7	Methacrylonitrile	ND	26	5.7	ug/kg	
74-83-9	Methyl bromide	ND	5.2	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.2	2.5	ug/kg	
74-88-4	Methyl iodide	ND	10	2.1	ug/kg	
80-62-6	Methyl methacrylate	ND	26	5.2	ug/kg	
74-95-3	Methylene bromide	ND	5.2	1.6	ug/kg	
75-09-2	Methylene chloride	ND	10	5.2	ug/kg	
78-93-3	Methyl ethyl ketone [a]	ND	26	8.6	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.2	1.6	ug/kg	
91-20-3	Naphthalene	ND	5.2	2.1	ug/kg	
76-01-7	Pentachloroethane	ND	26	5.2	ug/kg	
107-12-0	Propionitrile	ND	52	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.2	1.3	ug/kg	
100-42-5	Styrene	ND	5.2	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.2	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.2	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.2	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.2	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.2	2.1	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.2	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.2	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB10-16		
Lab Sample ID:	F61707-4	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.2	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.2	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.2	1.3	ug/kg	
108-88-3	Toluene	ND	5.2	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.2	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.2	2.1	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	26	5.2	ug/kg	
75-01-4	Vinyl chloride	ND	5.2	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	26	13	ug/kg	
	m,p-Xylene	ND	10	2.0	ug/kg	
95-47-6	o-Xylene	ND	5.2	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-121%
2037-26-5	Toluene-D8	97%		71-130%
460-00-4	4-Bromofluorobenzene	96%		59-148%
17060-07-0	1,2-Dichloroethane-D4	112%		77-123%

(a) CCV and BS outside of control limits; results may be biased low.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB10-16		
Lab Sample ID:	F61707-4	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	85.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086090.D	1	11/29/08	JG	11/21/08 13:35	n/a	GCD3623
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.87 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.9	3.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	88%		56-136%
98-08-8	aaa-Trifluorotoluene	86%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB10-16		
Lab Sample ID:	F61707-4	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	85.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10340.D	1	12/04/08	NY	11/24/08	OP27247	GYY372
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.6	5.8	mg/kg	
	TPH (> C22-C36)	ND	9.6	5.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	69%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB10-28		
Lab Sample ID:	F61707-5	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054453.D	1	11/28/08	MM	11/21/08 13:35	n/a	VG2060
Run #2	G0054480.D	1	12/01/08	MM	11/21/08 13:35	n/a	VG2061

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.64 g	5.0 ml	50.0 ul
Run #2	5.64 g	5.0 ml	20.0 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	5900	2900	ug/kg	
75-05-8	Acetonitrile	ND	5900	1900	ug/kg	
107-02-8	Acrolein	ND	2900	1200	ug/kg	
107-13-1	Acrylonitrile	ND	2900	810	ug/kg	
107-05-1	Allyl chloride	ND	2900	590	ug/kg	
71-43-2	Benzene	7170	590	120	ug/kg	
100-44-7	Benzyl Chloride	ND	590	130	ug/kg	
108-86-1	Bromobenzene	ND	590	120	ug/kg	
74-97-5	Bromochloromethane	ND	590	200	ug/kg	
75-27-4	Bromodichloromethane	ND	590	140	ug/kg	
75-25-2	Bromoform	ND	590	180	ug/kg	
104-51-8	n-Butylbenzene	ND	590	160	ug/kg	
135-98-8	sec-Butylbenzene	922	590	130	ug/kg	
98-06-6	tert-Butylbenzene	411	590	130	ug/kg	J
108-90-7	Chlorobenzene	ND	590	120	ug/kg	
75-00-3	Chloroethane	ND	590	240	ug/kg	
67-66-3	Chloroform	ND	590	200	ug/kg	
544-10-5	1-Chlorohexane	ND	590	150	ug/kg	
95-49-8	o-Chlorotoluene	ND	590	120	ug/kg	
106-43-4	p-Chlorotoluene	ND	590	120	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	2900	1200	ug/kg	
75-15-0	Carbon disulfide	ND	590	130	ug/kg	
56-23-5	Carbon tetrachloride	ND	590	160	ug/kg	
75-34-3	1,1-Dichloroethane	ND	590	240	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	590	150	ug/kg	
563-58-6	1,1-Dichloropropene	ND	590	160	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	590	280	ug/kg	
106-93-4	1,2-Dibromoethane	ND	590	120	ug/kg	
107-06-2	1,2-Dichloroethane	ND	590	130	ug/kg	
78-87-5	1,2-Dichloropropane	ND	590	160	ug/kg	
142-28-9	1,3-Dichloropropane	ND	590	120	ug/kg	
594-20-7	2,2-Dichloropropane	ND	590	250	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB10-28		
Lab Sample ID:	F61707-5	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	590	120	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	590	240	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	590	190	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	590	150	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	2900	590	ug/kg	
541-73-1	m-Dichlorobenzene	ND	590	120	ug/kg	
95-50-1	o-Dichlorobenzene	ND	590	120	ug/kg	
106-46-7	p-Dichlorobenzene	ND	590	120	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	590	140	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	590	120	ug/kg	
100-41-4	Ethylbenzene	10800	590	120	ug/kg	
97-63-2	Ethyl methacrylate	ND	2900	590	ug/kg	
76-13-1	Freon 113	ND	590	310	ug/kg	
591-78-6	2-Hexanone	ND	2900	590	ug/kg	
87-68-3	Hexachlorobutadiene	ND	590	140	ug/kg	
110-54-3	Hexane	ND	590	280	ug/kg	
98-82-8	Isopropylbenzene	43000 [b]	1500	320	ug/kg	
99-87-6	p-Isopropyltoluene	ND	590	130	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	2900	750	ug/kg	
126-98-7	Methacrylonitrile	ND	2900	650	ug/kg	
74-83-9	Methyl bromide	ND	590	260	ug/kg	
74-87-3	Methyl chloride	ND	590	280	ug/kg	
74-88-4	Methyl iodide	ND	1200	240	ug/kg	
80-62-6	Methyl methacrylate	ND	2900	590	ug/kg	
74-95-3	Methylene bromide	ND	590	180	ug/kg	
75-09-2	Methylene chloride [c]	892	1200	590	ug/kg	J
78-93-3	Methyl ethyl ketone [a]	ND	2900	980	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	590	180	ug/kg	
91-20-3	Naphthalene	ND	590	240	ug/kg	
76-01-7	Pentachloroethane	ND	2900	590	ug/kg	
107-12-0	Propionitrile	ND	5900	1400	ug/kg	
103-65-1	n-Propylbenzene	2180	590	140	ug/kg	
100-42-5	Styrene	ND	590	120	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	590	120	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	590	130	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	590	210	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	590	120	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	590	240	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	590	220	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	590	240	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB10-28		
Lab Sample ID:	F61707-5	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	1980	590	120	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	590	120	ug/kg	
127-18-4	Tetrachloroethylene	ND	590	140	ug/kg	
108-88-3	Toluene	ND	590	120	ug/kg	
79-01-6	Trichloroethylene	ND	590	140	ug/kg	
75-69-4	Trichlorofluoromethane	ND	590	240	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	2900	590	ug/kg	
75-01-4	Vinyl chloride	ND	590	240	ug/kg	
108-05-4	Vinyl Acetate	ND	2900	1400	ug/kg	
	m,p-Xylene	635	1200	220	ug/kg	J
95-47-6	o-Xylene	380	590	120	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%	98%	80-121%
2037-26-5	Toluene-D8	104%	96%	71-130%
460-00-4	4-Bromofluorobenzene	96%	96%	59-148%
17060-07-0	1,2-Dichloroethane-D4	104%	105%	77-123%

(a) CCV and BS outside of control limits; results may be biased low.
(b) Result is from Run# 2
(c) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB10-28		
Lab Sample ID:	F61707-5	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	86.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086122.D	1	12/01/08	JG	11/21/08 13:35	n/a	GCD3624
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.64 g	5.0 ml	5.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	853	120	59	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	99%		56-136%
98-08-8	aaa-Trifluorotoluene	106%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB10-28		
Lab Sample ID:	F61707-5	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	86.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10341.D	1	12/04/08	NY	11/24/08	OP27247	GYY372
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.4	5.6	mg/kg	
	TPH (> C22-C36)	ND	9.4	5.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	88%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB10-28-a		
Lab Sample ID:	F61707-6	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054454.D	1	11/28/08	MM	11/21/08 13:35	n/a	VG2060
Run #2	G0054481.D	1	12/01/08	MM	11/21/08 13:35	n/a	VG2061

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.87 g		
Run #2	5.62 g	5.0 ml	20.0 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.7	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	8710 [b]	1500	300	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	0.99	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	102	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	47.5	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	0.99	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	0.99	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	0.99	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	9.9	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	0.99	ug/kg	
107-06-2	1,2-Dichloroethane	15.8	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	0.99	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB10-28-a		
Lab Sample ID:	F61707-6	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	0.99	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	0.99	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	0.99	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	0.99	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	0.99	ug/kg	
100-41-4	Ethylbenzene	11200 [b]	1500	300	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	44400 [b]	1500	330	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	9.9	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride [c]	1560 [b]	3000	1500	ug/kg	JB
78-93-3	Methyl ethyl ketone [a]	ND	25	8.2	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	10.3	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	2280 [b]	1500	360	ug/kg	
100-42-5	Styrene	ND	5.0	0.99	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.99	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.99	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB10-28-a		
Lab Sample ID:	F61707-6	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	2230 [b]	1500	300	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	3060 [b]	1500	300	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	0.99	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	327	9.9	1.9	ug/kg	
95-47-6	o-Xylene	146	5.0	0.99	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	77% [d]	102%	80-121%
2037-26-5	Toluene-D8	209% [d]	96%	71-130%
460-00-4	4-Bromofluorobenzene	93%	100%	59-148%
17060-07-0	1,2-Dichloroethane-D4	128% [d]	106%	77-123%

(a) CCV and BS outside of control limits; results may be biased low.
(b) Result is from Run# 2
(c) Suspected laboratory contaminant.
(d) Outside control limits due to matrix interference.

Report of Analysis

Client Sample ID:	SS61-SB10-28-a		
Lab Sample ID:	F61707-6	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	85.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086123.D	1	12/01/08	JG	11/21/08 13:35	n/a	GCD3624
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.63 g	5.0 ml	10.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	281	60	30	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		56-136%
98-08-8	aaa-Trifluorotoluene	113%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB10-28-a		
Lab Sample ID:	F61707-6	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	85.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10344.D	1	12/04/08	NY	11/24/08	OP27247	GYY372
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.7	5.8	mg/kg	
	TPH (> C22-C36)	ND	9.7	5.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	82%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB10-35		
Lab Sample ID:	F61707-7	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054455.D	1	11/28/08	MM	11/21/08 13:35	n/a	VG2060
Run #2	G0054491.D	1	12/01/08	MM	11/21/08 13:35	n/a	VG2061

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.49 g		
Run #2	4.71 g	5.0 ml	100 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	45	23	ug/kg	
75-05-8	Acetonitrile	ND	45	14	ug/kg	
107-02-8	Acrolein	ND	23	8.9	ug/kg	
107-13-1	Acrylonitrile	ND	23	6.2	ug/kg	
107-05-1	Allyl chloride	ND	23	4.5	ug/kg	
71-43-2	Benzene	694 [b]	360	71	ug/kg	
100-44-7	Benzyl Chloride	ND	4.5	1.0	ug/kg	
108-86-1	Bromobenzene	ND	4.5	0.91	ug/kg	
74-97-5	Bromochloromethane	ND	4.5	1.5	ug/kg	
75-27-4	Bromodichloromethane	ND	4.5	1.1	ug/kg	
75-25-2	Bromoform	ND	4.5	1.4	ug/kg	
104-51-8	n-Butylbenzene	ND	4.5	1.3	ug/kg	
135-98-8	sec-Butylbenzene	13.5	4.5	1.0	ug/kg	
98-06-6	tert-Butylbenzene	6.8	4.5	1.0	ug/kg	
108-90-7	Chlorobenzene	ND	4.5	0.91	ug/kg	
75-00-3	Chloroethane	ND	4.5	1.8	ug/kg	
67-66-3	Chloroform	ND	4.5	1.5	ug/kg	
544-10-5	1-Chlorohexane	ND	4.5	1.2	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.5	0.91	ug/kg	
106-43-4	p-Chlorotoluene	ND	4.5	0.91	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	23	9.1	ug/kg	
75-15-0	Carbon disulfide	ND	4.5	1.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.5	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.5	1.8	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.5	1.2	ug/kg	
563-58-6	1,1-Dichloropropene	ND	4.5	1.3	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.5	2.2	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4.5	0.91	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.5	1.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.5	1.3	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4.5	0.91	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4.5	1.9	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB10-35		
Lab Sample ID:	F61707-7	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	4.5	0.91	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.5	1.8	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.5	1.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.5	1.2	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	23	4.5	ug/kg	
541-73-1	m-Dichlorobenzene	ND	4.5	0.91	ug/kg	
95-50-1	o-Dichlorobenzene	ND	4.5	0.91	ug/kg	
106-46-7	p-Dichlorobenzene	ND	4.5	0.91	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	4.5	1.1	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.5	0.91	ug/kg	
100-41-4	Ethylbenzene	167	4.5	0.91	ug/kg	
97-63-2	Ethyl methacrylate	ND	23	4.5	ug/kg	
76-13-1	Freon 113	ND	4.5	2.4	ug/kg	
591-78-6	2-Hexanone	ND	23	4.5	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.5	1.1	ug/kg	
110-54-3	Hexane	ND	4.5	2.2	ug/kg	
98-82-8	Isopropylbenzene	1230 [b]	360	78	ug/kg	
99-87-6	p-Isopropyltoluene	ND	4.5	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	23	5.8	ug/kg	
126-98-7	Methacrylonitrile	ND	23	5.0	ug/kg	
74-83-9	Methyl bromide	ND	4.5	2.0	ug/kg	
74-87-3	Methyl chloride	ND	4.5	2.2	ug/kg	
74-88-4	Methyl iodide	ND	9.1	1.8	ug/kg	
80-62-6	Methyl methacrylate	ND	23	4.5	ug/kg	
74-95-3	Methylene bromide	ND	4.5	1.4	ug/kg	
75-09-2	Methylene chloride	ND	9.1	4.5	ug/kg	
78-93-3	Methyl ethyl ketone [a]	ND	23	7.5	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.5	1.4	ug/kg	
91-20-3	Naphthalene	ND	4.5	1.8	ug/kg	
76-01-7	Pentachloroethane	ND	23	4.5	ug/kg	
107-12-0	Propionitrile	ND	45	11	ug/kg	
103-65-1	n-Propylbenzene	36.8	4.5	1.1	ug/kg	
100-42-5	Styrene	ND	4.5	0.91	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.5	0.91	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.5	1.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.5	1.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.5	0.91	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.5	1.8	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.5	1.7	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.5	1.8	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB10-35		
Lab Sample ID:	F61707-7	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	149	4.5	0.91	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	25.7	4.5	0.91	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.5	1.1	ug/kg	
108-88-3	Toluene	ND	4.5	0.91	ug/kg	
79-01-6	Trichloroethylene	ND	4.5	1.1	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.5	1.8	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	23	4.5	ug/kg	
75-01-4	Vinyl chloride	ND	4.5	1.8	ug/kg	
108-05-4	Vinyl Acetate	ND	23	11	ug/kg	
	m,p-Xylene	129	9.1	1.7	ug/kg	
95-47-6	o-Xylene	35.7	4.5	0.91	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%	100%	80-121%
2037-26-5	Toluene-D8	113%	94%	71-130%
460-00-4	4-Bromofluorobenzene	96%	93%	59-148%
17060-07-0	1,2-Dichloroethane-D4	109%	104%	77-123%

(a) CCV and BS outside of control limits; results may be biased low.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB10-35		
Lab Sample ID:	F61707-7	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	85.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086124.D	1	12/01/08	JG	11/21/08 13:35	n/a	GCD3624
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.71 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	27.9	7.1	3.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		56-136%
98-08-8	aaa-Trifluorotoluene	110%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB10-35		
Lab Sample ID:	F61707-7	**Date Sampled:**	11/19/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	85.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10345.D	1	12/04/08	NY	11/24/08	OP27247	GYY372
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.7	5.8	mg/kg	
	TPH (> C22-C36)	ND	9.7	5.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	86%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61707-8	**Date Sampled:**	11/19/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/21/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054456.D	1	11/28/08	MM	n/a	n/a	VG2060
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61707-8	**Date Sampled:**	11/19/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/21/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	2.6	5.0	1.1	ug/kg	J
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone [a]	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61707-8	**Date Sampled:**	11/19/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/21/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		80-121%
2037-26-5	Toluene-D8	97%		71-130%
460-00-4	4-Bromofluorobenzene	98%		59-148%
17060-07-0	1,2-Dichloroethane-D4	106%		77-123%

(a) CCV and BS outside of control limits; results may be biased low.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

F 61707

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

Page 1 of 1

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number [1]: 11-20-2008-2

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Zack Beck / Greg Kinsman

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [2]	Sample Matrix [4]	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)						Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
1	SS61-SB09-23	SS61-SB09	19-Nov-2008	1330	21 - 23	N	01	SO	5	X	X	X										2
2	SS61-SB09-28	SS61-SB09	19-Nov-2008	1345	26 - 28	N	01	SO	5	X	X	X										2
3	SS61-SB09-35	SS61-SB09	19-Nov-2008	1405	33 - 35	N	01	SO	5	X	X	X										2
4	SS61-SB10-16	SS61-SB10	19-Nov-2008	1620	14 - 16	N	01	SO	5	X	X	X										2
5	SS61-SB10-28	SS61-SB10	19-Nov-2008	1650	26 - 28	N	01	SO	5	X	X	X										2
6	SS61-SB10-28-2	SS61-SB10	19-Nov-2008	1650	26 - 28	FD	01	SO	5	X	X	X										2
7	SS61-SB10-35	SS61-SB10	19-Nov-2008	1705	33 - 35	N	01	SO	5	X	X	X										2
8	Trip Blank				-	TB		WQ	3	X												2
					-																	
					-																	
					-																	

Sample Analysis Requested [5] | Quality Assurance Samples [6]

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1.	[signature]	11/20/08	1400	FK		07:00
2.	FK			[signature]	11-21-08	
3.						

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: _____ Shipped No.: _____

Method of Shipment: _____ Airbill Number: _____

Analytical Lab: Accutest Laboratories Delivery Location: _____

Lab Recipient: _____ Delivery Date/Time: _____

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

3.6

4.1 4

F61707: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61707 CLIENT: BHATE PROJECT: SS-61 (SPILL SITE 61)

DATE/TIME RECEIVED: 11-21-08 09:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 3.6

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8668 3471 8639

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [ ] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 18

NUMBER OF 5035 FIELD KITS ? TB

NUMBER OF LAB FILTERED METALS ?

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE JC 11-21-08 TECHNICIAN SIGNATURE/DATE CLR 11/21/08 ASBD 12/17/07

4.1 4

F61707: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61707
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2060-MB	G0054433.D	1	11/28/08	MM	n/a	n/a	VG2060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61707-1, F61707-2, F61707-3, F61707-4, F61707-5, F61707-6, F61707-7, F61707-8

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61707
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2060-MB	G0054433.D	1	11/28/08	MM	n/a	n/a	VG2060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61707-1, F61707-2, F61707-3, F61707-4, F61707-5, F61707-6, F61707-7, F61707-8

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F61707
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2060-MB	G0054433.D	1	11/28/08	MM	n/a	n/a	VG2060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61707-1, F61707-2, F61707-3, F61707-4, F61707-5, F61707-6, F61707-7, F61707-8

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	104%	80-121%
2037-26-5	Toluene-D8	96%	71-130%
460-00-4	4-Bromofluorobenzene	101%	59-148%
17060-07-0	1,2-Dichloroethane-D4	114%	77-123%

Method Blank Summary

Job Number: F61707
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2061-MB	G0054483.D	1	12/01/08	MM	n/a	n/a	VG2061

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61707-5, F61707-6, F61707-7

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
75-09-2	Methylene chloride	6.3	10	5.0	ug/kg	J
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	80-121%
2037-26-5	Toluene-D8	94%	71-130%
460-00-4	4-Bromofluorobenzene	98%	59-148%
17060-07-0	1,2-Dichloroethane-D4	109%	77-123%

Method Blank Summary

Job Number: F61707
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2062-MB	G0054527.D	1	12/02/08	MM	n/a	n/a	VG2062

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61707-2

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
75-09-2	Methylene chloride	5.6	10	5.0	ug/kg	J
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	80-121%
2037-26-5	Toluene-D8	92%	71-130%
460-00-4	4-Bromofluorobenzene	96%	59-148%
17060-07-0	1,2-Dichloroethane-D4	113%	77-123%

Blank Spike Summary

Job Number: F61707
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2060-BS	G0054439.D	1	11/28/08	MM	n/a	n/a	VG2060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61707-1, F61707-2, F61707-3, F61707-4, F61707-5, F61707-6, F61707-7, F61707-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	123	49*	61-144
75-05-8	Acetonitrile	500	317	63	59-139
107-02-8	Acrolein	250	59.3	24*	27-156
107-13-1	Acrylonitrile	250	219	88	55-144
107-05-1	Allyl chloride	50	50.9	102	41-152
71-43-2	Benzene	50	53.9	108	78-130
100-44-7	Benzyl Chloride	50	43.4	87	74-130
108-86-1	Bromobenzene	50	54.7	109	78-123
74-97-5	Bromochloromethane	50	45.7	91	72-122
75-27-4	Bromodichloromethane	50	48.7	97	73-122
75-25-2	Bromoform	50	43.4	87	70-139
104-51-8	n-Butylbenzene	50	52.1	104	80-138
135-98-8	sec-Butylbenzene	50	54.8	110	82-132
98-06-6	tert-Butylbenzene	50	55.7	111	79-130
108-90-7	Chlorobenzene	50	52.3	105	83-122
75-00-3	Chloroethane	50	64.8	130	61-153
67-66-3	Chloroform	50	54.3	109	79-129
544-10-5	1-Chlorohexane	50	50.2	100	85-137
95-49-8	o-Chlorotoluene	50	53.5	107	77-123
106-43-4	p-Chlorotoluene	50	54.1	108	78-129
110-75-8	2-Chloroethyl vinyl ether	250	254	102	52-142
75-15-0	Carbon disulfide	50	42.5	85	61-142
56-23-5	Carbon tetrachloride	50	60.1	120	79-135
75-34-3	1,1-Dichloroethane	50	55.9	112	77-132
75-35-4	1,1-Dichloroethylene	50	50.4	101	66-132
563-58-6	1,1-Dichloropropene	50	55.9	112	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	41.5	83	67-129
106-93-4	1,2-Dibromoethane	50	45.0	90	77-126
107-06-2	1,2-Dichloroethane	50	47.7	95	78-129
78-87-5	1,2-Dichloropropane	50	49.0	98	74-127
142-28-9	1,3-Dichloropropane	50	43.4	87	78-118
594-20-7	2,2-Dichloropropane	50	57.7	115	80-137
124-48-1	Dibromochloromethane	50	48.9	98	78-117
75-71-8	Dichlorodifluoromethane	50	58.4	117	35-162
156-59-2	cis-1,2-Dichloroethylene	50	49.2	98	74-123
10061-01-5	cis-1,3-Dichloropropene	50	48.0	96	79-130

Blank Spike Summary

Job Number: F61707
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2060-BS	G0054439.D	1	11/28/08	MM	n/a	n/a	VG2060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61707-1, F61707-2, F61707-3, F61707-4, F61707-5, F61707-6, F61707-7, F61707-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	48.0	96	71-126
541-73-1	m-Dichlorobenzene	50	52.7	105	82-126
95-50-1	o-Dichlorobenzene	50	51.0	102	83-123
106-46-7	p-Dichlorobenzene	50	54.3	109	84-124
156-60-5	trans-1,2-Dichloroethylene	50	53.8	108	77-129
10061-02-6	trans-1,3-Dichloropropene	50	49.6	99	87-131
100-41-4	Ethylbenzene	50	54.1	108	82-124
97-63-2	Ethyl methacrylate	50	43.6	87	78-118
76-13-1	Freon 113	50	37.1	74	62-147
591-78-6	2-Hexanone	250	181	72	67-130
87-68-3	Hexachlorobutadiene	50	66.5	133	77-150
110-54-3	Hexane	50	63.0	126	65-147
98-82-8	Isopropylbenzene	50	55.6	111	82-133
99-87-6	p-Isopropyltoluene	50	55.6	111	82-132
108-10-1	4-Methyl-2-pentanone	250	205	82	69-125
126-98-7	Methacrylonitrile	500	408	82	70-138
74-83-9	Methyl bromide	50	72.1	144	60-146
74-87-3	Methyl chloride	50	52.5	105	58-163
74-88-4	Methyl iodide	50	38.1	76	66-128
80-62-6	Methyl methacrylate	50	42.1	84	73-125
74-95-3	Methylene bromide	50	49.3	99	75-128
75-09-2	Methylene chloride	50	42.4	85	62-140
78-93-3	Methyl ethyl ketone	250	145	58*	66-134
1634-04-4	Methyl Tert Butyl Ether	50	44.4	89	70-131
91-20-3	Naphthalene	50	43.3	87	59-143
76-01-7	Pentachloroethane	50	60.3	121	64-156
107-12-0	Propionitrile	500	378	76	73-133
103-65-1	n-Propylbenzene	50	54.5	109	78-129
100-42-5	Styrene	50	51.4	103	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	50.8	102	81-121
71-55-6	1,1,1-Trichloroethane	50	59.5	119	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	45.8	92	70-128
79-00-5	1,1,2-Trichloroethane	50	46.8	94	76-118
87-61-6	1,2,3-Trichlorobenzene	50	47.1	94	78-136
96-18-4	1,2,3-Trichloropropane	50	43.1	86	74-125
120-82-1	1,2,4-Trichlorobenzene	50	55.4	111	82-137

Blank Spike Summary

Job Number: F61707
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2060-BS	G0054439.D	1	11/28/08	MM	n/a	n/a	VG2060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61707-1, F61707-2, F61707-3, F61707-4, F61707-5, F61707-6, F61707-7, F61707-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	54.7	109	77-129
108-67-8	1,3,5-Trimethylbenzene	50	54.8	110	79-129
127-18-4	Tetrachloroethylene	50	60.0	120	79-132
108-88-3	Toluene	50	52.9	106	80-123
79-01-6	Trichloroethylene	50	55.5	111	78-132
75-69-4	Trichlorofluoromethane	50	58.3	117	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	82.4	165*	74-138
75-01-4	Vinyl chloride	50	54.6	109	60-145
108-05-4	Vinyl Acetate	250	320	128	25-164
	m,p-Xylene	100	107	107	82-128
95-47-6	o-Xylene	50	51.5	103	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	104%	80-121%
2037-26-5	Toluene-D8	99%	71-130%
460-00-4	4-Bromofluorobenzene	100%	59-148%
17060-07-0	1,2-Dichloroethane-D4	103%	77-123%

Blank Spike Summary

Job Number: F61707
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2061-BS	G0054473.D	1	12/01/08	MM	n/a	n/a	VG2061

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61707-5, F61707-6, F61707-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	55.1	110	78-130
100-41-4	Ethylbenzene	50	53.1	106	82-124
98-82-8	Isopropylbenzene	50	56.9	114	82-133
75-09-2	Methylene chloride	50	55.6	111	62-140
103-65-1	n-Propylbenzene	50	56.8	114	78-129
95-63-6	1,2,4-Trimethylbenzene	50	56.9	114	77-129
108-67-8	1,3,5-Trimethylbenzene	50	56.8	114	79-129

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	80-121%
2037-26-5	Toluene-D8	96%	71-130%
460-00-4	4-Bromofluorobenzene	96%	59-148%
17060-07-0	1,2-Dichloroethane-D4	96%	77-123%

Blank Spike Summary

Job Number: F61707
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2062-BS	G0054526.D	1	12/02/08	MM	n/a	n/a	VG2062

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61707-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	53.5	107	78-130
100-41-4	Ethylbenzene	50	53.8	108	82-124
98-82-8	Isopropylbenzene	50	57.8	116	82-133
75-09-2	Methylene chloride	50	49.8	100	62-140
103-65-1	n-Propylbenzene	50	57.6	115	78-129

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	80-121%
2037-26-5	Toluene-D8	98%	71-130%
460-00-4	4-Bromofluorobenzene	101%	59-148%
17060-07-0	1,2-Dichloroethane-D4	91%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61707
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61590-1MS	G0054440.D	1	11/28/08	MM	n/a	n/a	VG2060
F61590-1MSD	G0054441.D	1	11/28/08	MM	n/a	n/a	VG2060
F61590-1	G0054438.D	1	11/28/08	MM	n/a	n/a	VG2060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61707-1, F61707-2, F61707-3, F61707-4, F61707-5, F61707-6, F61707-7, F61707-8

CAS No.	Compound	F61590-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		338	193	57*	153	45*	23	61-144/29
75-05-8	Acetonitrile	ND		676	490	73	464	69	5	59-139/30
107-02-8	Acrolein	ND		338	69.6	21*	84.3	25*	19	27-156/39
107-13-1	Acrylonitrile	ND		338	303	90	279	83	8	55-144/24
107-05-1	Allyl chloride	ND		67.6	70.4	104	65.0	97	8	41-152/24
71-43-2	Benzene	ND		67.6	75.2	111	70.9	105	6	78-130/25
100-44-7	Benzyl Chloride	ND		67.6	56.6	84	54.4	81	4	74-130/28
108-86-1	Bromobenzene	ND		67.6	73.8	109	69.0	103	7	78-123/30
74-97-5	Bromochloromethane	ND		67.6	65.1	96	58.8	87	10	72-122/23
75-27-4	Bromodichloromethane	ND		67.6	69.0	102	64.1	95	7	73-122/25
75-25-2	Bromoform	ND		67.6	63.2	94	57.4	85	10	70-139/26
104-51-8	n-Butylbenzene	ND		67.6	73.1	108	69.5	103	5	80-138/31
135-98-8	sec-Butylbenzene	ND		67.6	73.2	108	70.5	105	4	82-132/29
98-06-6	tert-Butylbenzene	ND		67.6	73.9	109	72.0	107	3	79-130/29
108-90-7	Chlorobenzene	ND		67.6	72.3	107	67.3	100	7	83-122/23
75-00-3	Chloroethane	ND		67.6	88.1	130	80.5	120	9	61-153/31
67-66-3	Chloroform	ND		67.6	77.4	115	70.5	105	9	79-129/27
544-10-5	1-Chlorohexane	ND		67.6	68.2	101	64.1	95	6	85-137/29
95-49-8	o-Chlorotoluene	ND		67.6	73.0	108	69.5	103	5	77-123/31
106-43-4	p-Chlorotoluene	ND		67.6	72.2	107	70.1	104	3	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		338	376	111	341	101	10	52-142/25
75-15-0	Carbon disulfide	ND		67.6	55.2	82	51.7	77	7	61-142/27
56-23-5	Carbon tetrachloride	ND		67.6	82.2	122	75.5	112	8	79-135/29
75-34-3	1,1-Dichloroethane	ND		67.6	76.9	114	72.0	107	7	77-132/26
75-35-4	1,1-Dichloroethylene	ND		67.6	68.3	101	62.5	93	9	66-132/27
563-58-6	1,1-Dichloropropene	ND		67.6	76.9	114	71.0	106	8	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		67.6	60.1	89	58.5	87	3	67-129/29
106-93-4	1,2-Dibromoethane	ND		67.6	62.5	92	56.5	84	10	77-126/24
107-06-2	1,2-Dichloroethane	ND		67.6	66.4	98	63.4	94	5	78-129/24
78-87-5	1,2-Dichloropropane	ND		67.6	67.9	100	64.5	96	5	74-127/27
142-28-9	1,3-Dichloropropane	ND		67.6	62.8	93	59.1	88	6	78-118/26
594-20-7	2,2-Dichloropropane	ND		67.6	76.3	113	71.5	106	6	80-137/28
124-48-1	Dibromochloromethane	ND		67.6	67.8	100	63.4	94	7	78-117/27
75-71-8	Dichlorodifluoromethane	ND		67.6	78.9	117	71.4	106	10	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		67.6	66.5	98	64.6	96	3	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		67.6	69.3	103	63.6	95	9	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61707
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61590-1MS	G0054440.D	1	11/28/08	MM	n/a	n/a	VG2060
F61590-1MSD	G0054441.D	1	11/28/08	MM	n/a	n/a	VG2060
F61590-1	G0054438.D	1	11/28/08	MM	n/a	n/a	VG2060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61707-1, F61707-2, F61707-3, F61707-4, F61707-5, F61707-6, F61707-7, F61707-8

CAS No.	Compound	F61590-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		67.6	67.5	100	64.6	96	4	71-126/28
541-73-1	m-Dichlorobenzene	ND		67.6	77.6	115	70.1	104	10	82-126/29
95-50-1	o-Dichlorobenzene	ND		67.6	72.5	107	69.6	103	4	83-123/28
106-46-7	p-Dichlorobenzene	ND		67.6	74.6	110	70.8	105	5	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		67.6	77.4	115	70.4	105	9	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		67.6	73.3	108	64.1	95	13	87-131/27
100-41-4	Ethylbenzene	ND		67.6	73.7	109	69.7	104	6	82-124/25
97-63-2	Ethyl methacrylate	ND		67.6	64.6	96	56.7	84	13	78-118/30
76-13-1	Freon 113	ND		67.6	49.6	73	43.0	64	14	62-147/29
591-78-6	2-Hexanone	ND		338	270	80	237	70	13	67-130/29
87-68-3	Hexachlorobutadiene	ND		67.6	86.8	128	80.6	120	7	77-150/36
110-54-3	Hexane	ND		67.6	87.6	130	80.6	120	8	65-147/27
98-82-8	Isopropylbenzene	ND		67.6	74.7	111	73.8	110	1	82-133/27
99-87-6	p-Isopropyltoluene	ND		67.6	75.4	112	71.6	106	5	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		338	314	93	277	82	13	69-125/24
126-98-7	Methacrylonitrile	ND		676	614	91	552	82	11	70-138/22
74-83-9	Methyl bromide	ND		67.6	104	154*	89.2	133	15	60-146/31
74-87-3	Methyl chloride	ND		67.6	73.2	108	68.9	102	6	58-163/26
74-88-4	Methyl iodide	ND		67.6	51.0	75	47.7	71	7	66-128/27
80-62-6	Methyl methacrylate	ND		67.6	64.6	96	59.4	88	8	73-125/24
74-95-3	Methylene bromide	ND		67.6	68.9	102	62.2	92	10	75-128/26
75-09-2	Methylene chloride	5.5	J	67.6	55.3	74	53.2	71	4	62-140/25
78-93-3	Methyl ethyl ketone	ND		338	225	67	194	58*	15	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		67.6	63.4	94	58.8	87	8	70-131/25
91-20-3	Naphthalene	ND		67.6	65.2	96	59.9	89	8	59-143/31
76-01-7	Pentachloroethane	ND		67.6	83.4	123	76.3	113	9	64-156/37
107-12-0	Propionitrile	ND		676	562	83	515	77	9	73-133/23
103-65-1	n-Propylbenzene	ND		67.6	73.1	108	71.3	106	2	78-129/29
100-42-5	Styrene	ND		67.6	71.3	105	67.5	100	5	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		67.6	71.2	105	67.7	101	5	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		67.6	80.9	120	74.3	110	9	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		67.6	63.4	94	61.9	92	2	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		67.6	66.8	99	61.0	91	9	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		67.6	72.1	107	66.1	98	9	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		67.6	61.3	91	56.9	85	7	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		67.6	79.8	118	75.9	113	5	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61707
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61590-1MS	G0054440.D	1	11/28/08	MM	n/a	n/a	VG2060
F61590-1MSD	G0054441.D	1	11/28/08	MM	n/a	n/a	VG2060
F61590-1	G0054438.D	1	11/28/08	MM	n/a	n/a	VG2060

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61707-1, F61707-2, F61707-3, F61707-4, F61707-5, F61707-6, F61707-7, F61707-8

CAS No.	Compound	F61590-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		67.6	75.6	112	70.1	104	8	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		67.6	74.6	110	69.9	104	7	79-129/31
127-18-4	Tetrachloroethylene	ND		67.6	79.9	118	75.6	112	6	79-132/27
108-88-3	Toluene	ND		67.6	72.3	107	67.8	101	6	80-123/26
79-01-6	Trichloroethylene	ND		67.6	75.8	112	70.4	105	7	78-132/28
75-69-4	Trichlorofluoromethane	ND		67.6	78.2	116	70.3	104	11	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		67.6	123	182*	116	172*	6	74-138/30
75-01-4	Vinyl chloride	ND		67.6	74.5	110	66.6	99	11	60-145/29
108-05-4	Vinyl Acetate	ND		338	437	129	401	119	9	25-164/35
	m,p-Xylene	ND		135	149	110	139	103	7	82-128/25
95-47-6	o-Xylene	ND		67.6	70.7	105	68.5	102	3	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61590-1	Limits
1868-53-7	Dibromofluoromethane	104%	103%	110%	80-121%
2037-26-5	Toluene-D8	98%	98%	97%	71-130%
460-00-4	4-Bromofluorobenzene	98%	99%	102%	59-148%
17060-07-0	1,2-Dichloroethane-D4	100%	97%	113%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61707
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61708-1MS	G0054476.D	1	12/01/08	MM	n/a	n/a	VG2061
F61708-1MSD	G0054477.D	1	12/01/08	MM	n/a	n/a	VG2061
F61708-1	G0054475.D	1	12/01/08	MM	n/a	n/a	VG2061

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61707-5, F61707-6, F61707-7

CAS No.	Compound	F61708-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		56.2	63.4	113	66.9	120	5	78-130/25
100-41-4	Ethylbenzene	ND		56.2	63.5	113	67.8	121	7	82-124/25
98-82-8	Isopropylbenzene	ND		56.2	67.7	120	71.3	128	5	82-133/27
75-09-2	Methylene chloride	5.7	JB	56.2	65.9	107	68.9	113	4	62-140/25
103-65-1	n-Propylbenzene	ND		56.2	66.8	119	71.7	128	7	78-129/29
95-63-6	1,2,4-Trimethylbenzene	ND		56.2	65.2	116	70.8	127	8	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		56.2	65.3	116	70.8	127	8	79-129/31

CAS No.	Surrogate Recoveries	MS	MSD	F61708-1	Limits
1868-53-7	Dibromofluoromethane	101%	108%	102%	80-121%
2037-26-5	Toluene-D8	100%	96%	93%	71-130%
460-00-4	4-Bromofluorobenzene	100%	100%	96%	59-148%
17060-07-0	1,2-Dichloroethane-D4	92%	105%	108%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61707
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61737-1MS	G0054529.D	1	12/02/08	MM	n/a	n/a	VG2062
F61737-1MSD	G0054530.D	1	12/02/08	MM	n/a	n/a	VG2062
F61737-1	G0054528.D	1	12/02/08	MM	n/a	n/a	VG2062

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61707-2

CAS No.	Compound	F61737-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		65.7	68.0	103	63.5	95	7	78-130/25
100-41-4	Ethylbenzene	ND		65.7	65.7	100	66.9	100	2	82-124/25
98-82-8	Isopropylbenzene	ND		65.7	70.4	107	70.4	105	0	82-133/27
75-09-2	Methylene chloride	30.8	B	65.7	73.9	66	61.7	46*	18	62-140/25
103-65-1	n-Propylbenzene	ND		65.7	70.2	107	73.4	109	4	78-129/29

CAS No.	Surrogate Recoveries	MS	MSD	F61737-1	Limits
1868-53-7	Dibromofluoromethane	104%	100%	100%	80-121%
2037-26-5	Toluene-D8	94%	99%	91%	71-130%
460-00-4	4-Bromofluorobenzene	94%	101%	106%	59-148%
17060-07-0	1,2-Dichloroethane-D4	108%	93%	109%	77-123%

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61707
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3623-MB	CD086076.D	1	11/28/08	JG	n/a	n/a	GCD3623

The QC reported here applies to the following samples: **Method:** SW846 8015

F61707-1, F61707-3, F61707-4

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	83%	56-136%
98-08-8	aaa-Trifluorotoluene	88%	61-121%

Method Blank Summary

Job Number: F61707
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3624-MB	CD086110.D	1	12/01/08	JG	n/a	n/a	GCD3624

The QC reported here applies to the following samples: **Method:** SW846 8015

F61707-2, F61707-5, F61707-6, F61707-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	79%	56-136%
98-08-8	aaa-Trifluorotoluene	81%	61-121%

Blank Spike Summary

Job Number: F61707
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3623-BS	CD086075.D	1	11/28/08	JG	n/a	n/a	GCD3623

The QC reported here applies to the following samples: **Method:** SW846 8015

F61707-1, F61707-3, F61707-4

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	16.6	83	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	110%	56-136%
98-08-8	aaa-Trifluorotoluene	101%	61-121%

Blank Spike Summary

Job Number: F61707
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3624-BS	CD086106.D	1	12/01/08	JG	n/a	n/a	GCD3624

The QC reported here applies to the following samples: **Method:** SW846 8015

F61707-2, F61707-5, F61707-6, F61707-7

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	17.3	87	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	98%	56-136%
98-08-8	aaa-Trifluorotoluene	96%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61707
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61707-1MS	CD086092.D	1	11/29/08	JG	n/a	n/a	GCD3623
F61707-1MSD	CD086093.D	1	11/29/08	JG	n/a	n/a	GCD3623
F61707-1	CD086087.D	1	11/29/08	JG	n/a	n/a	GCD3623

The QC reported here applies to the following samples: **Method:** SW846 8015

F61707-1, F61707-3, F61707-4

CAS No.	Compound	F61707-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		23.6	18.1	77	18.7	79	3	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61707-1	Limits
460-00-4	4-Bromofluorobenzene	106%	112%	84%	56-136%
98-08-8	aaa-Trifluorotoluene	88%	92%	86%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61707
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61660-1MS	CD086126.D	1	12/01/08	JG	n/a	n/a	GCD3624
F61660-1MSD	CD086127.D	1	12/01/08	JG	n/a	n/a	GCD3624
F61660-1	CD086112.D	1	12/01/08	JG	n/a	n/a	GCD3624

The QC reported here applies to the following samples: **Method:** SW846 8015

F61707-2, F61707-5, F61707-6, F61707-7

CAS No.	Compound	F61660-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		24.9	21.2	85	19.4	78	9	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61660-1	Limits
460-00-4	4-Bromofluorobenzene	100%	110%	82%	56-136%
98-08-8	aaa-Trifluorotoluene	94%	93%	83%	61-121%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61707
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27247-MB	YY10333.D	1	12/04/08	NY	11/24/08	OP27247	GYY372

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61707-1, F61707-2, F61707-3, F61707-4, F61707-5, F61707-6, F61707-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	79%	49-108%

Method Blank Summary

Job Number: F61707
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27247-MB	LL24386.D	1	12/08/08	NY	11/24/08	OP27247	GLL909

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61707-1, F61707-2, F61707-3, F61707-4, F61707-5, F61707-6, F61707-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	82%	49-108%

Blank Spike Summary

Job Number: F61707
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27247-BS	YY10332.D	1	12/04/08	NY	11/24/08	OP27247	GYY372

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61707-1, F61707-2, F61707-3, F61707-4, F61707-5, F61707-6, F61707-7

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	28.4	85	64-102
	TPH (> C22-C36)	33.3	33.7	101	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	85%	49-108%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61707
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27247-MS	YY10356.D	1	12/05/08	NY	11/24/08	OP27247	GYY372
OP27247-MSD	YY10357.D	1	12/05/08	NY	11/24/08	OP27247	GYY372
F61737-1	YY10352.D	1	12/04/08	NY	11/24/08	OP27247	GYY372

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61707-1, F61707-2, F61707-3, F61707-4, F61707-5, F61707-6, F61707-7

CAS No.	Compound	F61737-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		41.7	37.3	89	36.2	86	3	64-102/32
	TPH (> C22-C36)	ND		41.7	45.7	110	43.9	105	4	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F61737-1	Limits
84-15-1	o-Terphenyl	92%	87%	100%	49-108%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/15/08

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F61708

Sampling Date: 11/20/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **70**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Note: This report is password protected to disallow document modification or assembly.
A password to unlock this report is available from your client service representative.

Sections: 1 2 3 4 5 6 7

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F61708-1: SS61-SB11-25 7
3.2: F61708-2: SS61-SB11-28 12
3.3: F61708-3: SS61-SB11-35 17
3.4: F61708-4: SS61-SB12-25 22
3.5: F61708-5: SS61-SB12-28 27
3.6: F61708-6: SS61-SB12-33 32
3.7: F61708-7: TRIP BLANK 37
Section 4: Misc. Forms **40**
4.1: Chain of Custody 41
Section 5: GC/MS Volatiles - QC Data Summaries **43**
5.1: Method Blank Summary 44
5.2: Blank Spike Summary 48
5.3: Matrix Spike/Matrix Spike Duplicate Summary 52
Section 6: GC Volatiles - QC Data Summaries **56**
6.1: Method Blank Summary 57
6.2: Blank Spike Summary 60
6.3: Matrix Spike/Matrix Spike Duplicate Summary 63
Section 7: GC Semi-volatiles - QC Data Summaries **66**
7.1: Method Blank Summary 67
7.2: Blank Spike Summary 69
7.3: Matrix Spike/Matrix Spike Duplicate Summary 70

Sample Summary

North Wind, Inc

Job No: F61708

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F61708-1	11/20/08	09:30	ZB	11/21/08	SO	Soil	SS61-SB11-25
F61708-2	11/20/08	09:45	ZB	11/21/08	SO	Soil	SS61-SB11-28
F61708-3	11/20/08	10:00	ZB	11/21/08	SO	Soil	SS61-SB11-35
F61708-4	11/20/08	12:00	ZB	11/21/08	SO	Soil	SS61-SB12-25
F61708-5	11/20/08	12:15	ZB	11/21/08	SO	Soil	SS61-SB12-28
F61708-6	11/20/08	12:35	ZB	11/21/08	SO	Soil	SS61-SB12-33
F61708-7	11/20/08	00:00	ZB	11/21/08	SO	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F61708

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/10/2008 8:52:05

6 Samples, 1 Trip Blank were collected on 11/20/2008 and were received at Accutest on 11/21/2008 properly preserved, at 2.2 Deg. C and intact. These Samples received an Accutest job number of F61708. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2061

All samples were analyzed within the recommended method holding time.

Sample(s) F61708-1MS, F61708-1MSD were used as the QC samples indicated.

Sample(s) F61708-1, F61708-3, F61708-4, F61708-5, F61708-6, F61708-7 have compound(s) reported with a “B” qualifier, indicating analyte is found in the associated method blank.

BS and/or MS/MSD Recovery(s) for Acetone, Ethyl methacrylate, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for Acrolein, Benzyl Chloride, Methyl ethyl ketone, Tetrachloroethylene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for Acrolein, Benzyl Chloride, Bromobenzene, Freon 113, o-Chlorotoluene, o-Dichlorobenzene, Tetrachloroethylene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

RPD(s) for MSD for Acetone, Acrolein, Freon 113, Methyl ethyl ketone, Propionitrile are outside control limits for sample F61708-1MSD. Probable cause due to sample homogeneity.

F61708-7 for Methylene chloride: Suspected laboratory contaminant.

F61708-6 for Methylene chloride: Suspected laboratory contaminant.

F61708-4 for Methylene chloride: Suspected laboratory contaminant.

F61708-3 for Methylene chloride: Suspected laboratory contaminant.

F61708-1 for Methylene chloride: Suspected laboratory contaminant.

F61708-5 for Methylene chloride: Suspected laboratory contaminant.

Matrix: SO **Batch ID:** VG2062

All samples were analyzed within the recommended method holding time.

Sample(s) F61737-1MS, F61737-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GQR1955

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61737-1MS, F61737-1MSD were used as the QC samples indicated.

Sample(s) F61708-2, F61708-5 have surrogates outside control limits. Probable cause due to matrix interference.

F61708-2: Confirmation run.

F61708-5: Confirmation run.

F61708-2 for 4-Bromofluorobenzene: Outside control limits due to matrix interference.

F61708-2 for aaa-Trifluorotoluene: Outside control limits due to matrix interference.

F61708-2 for 4-Bromofluorobenzene: Result reported from PID.

F61708-5 for 4-Bromofluorobenzene: Outside control limits due to matrix interference.

F61708-5 for aaa-Trifluorotoluene: Outside control limits due to matrix interference.

Matrix: SO **Batch ID:** GQR1958

Sample(s) F61771-4MS, F61771-4MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

The following samples were run outside of holding time for method SW846 8015: F61708-5 Sample re-analyzed beyond hold

time; reported results are considered minimum values.

Sample(s) F61708-2, F61708-5 have surrogates outside control limits. Probable cause due to matrix interference.

Matrix: SO **Batch ID:** GQR1960

Sample(s) F61772-10MS, F61772-10MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

The following samples were run outside of holding time for method SW846 8015: F61708-2 Sample re-analyzed beyond hold time; reported results are considered minimum values.

Sample(s) F61708-2, F61708-5 have surrogates outside control limits. Probable cause due to matrix interference.

Extractables by GC By Method SW846 8015 M

Matrix: SO **Batch ID:** OP27247

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F61737-1MS, F61737-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Wet Chemistry By Method SM19 2540B M

Matrix: SO **Batch ID:** GN32929

Sample(s) F61707-1DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: December 10, 2008

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-SB11-25		
Lab Sample ID:	F61708-1	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054475.D	1	12/01/08	MM	11/21/08 13:35	n/a	VG2061
Run #2							

	Initial Weight
Run #1	6.01 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	48	24	ug/kg	
75-05-8	Acetonitrile	ND	48	15	ug/kg	
107-02-8	Acrolein	ND	24	9.3	ug/kg	
107-13-1	Acrylonitrile	ND	24	6.6	ug/kg	
107-05-1	Allyl chloride	ND	24	4.8	ug/kg	
71-43-2	Benzene	ND	4.8	0.95	ug/kg	
100-44-7	Benzyl Chloride	ND	4.8	1.0	ug/kg	
108-86-1	Bromobenzene	ND	4.8	0.95	ug/kg	
74-97-5	Bromochloromethane	ND	4.8	1.6	ug/kg	
75-27-4	Bromodichloromethane	ND	4.8	1.1	ug/kg	
75-25-2	Bromoform	ND	4.8	1.4	ug/kg	
104-51-8	n-Butylbenzene	ND	4.8	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	4.8	1.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	4.8	1.0	ug/kg	
108-90-7	Chlorobenzene	ND	4.8	0.95	ug/kg	
75-00-3	Chloroethane	ND	4.8	1.9	ug/kg	
67-66-3	Chloroform	ND	4.8	1.6	ug/kg	
544-10-5	1-Chlorohexane	ND	4.8	1.2	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.8	0.95	ug/kg	
106-43-4	p-Chlorotoluene	ND	4.8	0.95	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	24	9.5	ug/kg	
75-15-0	Carbon disulfide	ND	4.8	1.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.8	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.8	1.9	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.8	1.2	ug/kg	
563-58-6	1,1-Dichloropropene	ND	4.8	1.3	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.8	2.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4.8	0.95	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.8	1.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.8	1.3	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4.8	0.95	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4.8	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB11-25		
Lab Sample ID:	F61708-1	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	4.8	0.95	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.8	1.9	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.8	1.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.8	1.2	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	24	4.8	ug/kg	
541-73-1	m-Dichlorobenzene	ND	4.8	0.95	ug/kg	
95-50-1	o-Dichlorobenzene	ND	4.8	0.95	ug/kg	
106-46-7	p-Dichlorobenzene	ND	4.8	0.95	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	4.8	1.1	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.8	0.95	ug/kg	
100-41-4	Ethylbenzene	ND	4.8	0.95	ug/kg	
97-63-2	Ethyl methacrylate	ND	24	4.8	ug/kg	
76-13-1	Freon 113	ND	4.8	2.5	ug/kg	
591-78-6	2-Hexanone	ND	24	4.8	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.8	1.1	ug/kg	
110-54-3	Hexane	ND	4.8	2.3	ug/kg	
98-82-8	Isopropylbenzene	ND	4.8	1.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	4.8	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	24	6.1	ug/kg	
126-98-7	Methacrylonitrile	ND	24	5.2	ug/kg	
74-83-9	Methyl bromide	ND	4.8	2.1	ug/kg	
74-87-3	Methyl chloride	ND	4.8	2.3	ug/kg	
74-88-4	Methyl iodide	ND	9.5	1.9	ug/kg	
80-62-6	Methyl methacrylate	ND	24	4.8	ug/kg	
74-95-3	Methylene bromide	ND	4.8	1.4	ug/kg	
75-09-2	Methylene chloride [a]	5.7	9.5	4.8	ug/kg	JB
78-93-3	Methyl ethyl ketone	ND	24	7.9	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.8	1.4	ug/kg	
91-20-3	Naphthalene	ND	4.8	1.9	ug/kg	
76-01-7	Pentachloroethane	ND	24	4.8	ug/kg	
107-12-0	Propionitrile	ND	48	11	ug/kg	
103-65-1	n-Propylbenzene	ND	4.8	1.1	ug/kg	
100-42-5	Styrene	ND	4.8	0.95	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.8	0.95	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.8	1.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.8	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.8	0.95	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.8	1.9	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.8	1.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	1.9	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB11-25		
Lab Sample ID:	F61708-1	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	4.8	0.95	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.8	0.95	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.8	1.1	ug/kg	
108-88-3	Toluene	ND	4.8	0.95	ug/kg	
79-01-6	Trichloroethylene	ND	4.8	1.1	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.8	1.9	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	24	4.8	ug/kg	
75-01-4	Vinyl chloride	ND	4.8	1.9	ug/kg	
108-05-4	Vinyl Acetate	ND	24	11	ug/kg	
	m,p-Xylene	ND	9.5	1.8	ug/kg	
95-47-6	o-Xylene	ND	4.8	0.95	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-121%
2037-26-5	Toluene-D8	93%		71-130%
460-00-4	4-Bromofluorobenzene	96%		59-148%
17060-07-0	1,2-Dichloroethane-D4	108%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB11-25		
Lab Sample ID:	F61708-1	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	87.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR044940.D	1	12/02/08	AH	11/21/08 13:35	n/a	GQR1955
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.88 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.6	2.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%		56-136%
98-08-8	aaa-Trifluorotoluene	77%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB11-25		
Lab Sample ID:	F61708-1	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	87.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10346.D	1	12/04/08	NY	11/24/08	OP27247	GYY372
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.5	5.7	mg/kg	
	TPH (> C22-C36)	ND	9.5	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	60%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB11-28		
Lab Sample ID:	F61708-2	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054489.D	1	12/01/08	MM	11/21/08 14:15	n/a	VG2061
Run #2	G0054535.D	1	12/02/08	MM	11/21/08 14:15	n/a	VG2062

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.26 g	5.0 ml	100 ul
Run #2	5.26 g	5.0 ml	10.0 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3500	1800	ug/kg	
75-05-8	Acetonitrile	ND	3500	1100	ug/kg	
107-02-8	Acrolein	ND	1800	690	ug/kg	
107-13-1	Acrylonitrile	ND	1800	480	ug/kg	
107-05-1	Allyl chloride	ND	1800	350	ug/kg	
71-43-2	Benzene	ND	350	70	ug/kg	
100-44-7	Benzyl Chloride	ND	350	77	ug/kg	
108-86-1	Bromobenzene	ND	350	70	ug/kg	
74-97-5	Bromochloromethane	ND	350	120	ug/kg	
75-27-4	Bromodichloromethane	ND	350	84	ug/kg	
75-25-2	Bromoform	ND	350	110	ug/kg	
104-51-8	n-Butylbenzene	225	350	98	ug/kg	J
135-98-8	sec-Butylbenzene	1910	350	77	ug/kg	
98-06-6	tert-Butylbenzene	854	350	77	ug/kg	
108-90-7	Chlorobenzene	ND	350	70	ug/kg	
75-00-3	Chloroethane	ND	350	140	ug/kg	
67-66-3	Chloroform	ND	350	120	ug/kg	
544-10-5	1-Chlorohexane	ND	350	91	ug/kg	
95-49-8	o-Chlorotoluene	ND	350	70	ug/kg	
106-43-4	p-Chlorotoluene	ND	350	70	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1800	700	ug/kg	
75-15-0	Carbon disulfide	ND	350	77	ug/kg	
56-23-5	Carbon tetrachloride	ND	350	98	ug/kg	
75-34-3	1,1-Dichloroethane	ND	350	140	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	350	91	ug/kg	
563-58-6	1,1-Dichloropropene	ND	350	98	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	350	170	ug/kg	
106-93-4	1,2-Dibromoethane	ND	350	70	ug/kg	
107-06-2	1,2-Dichloroethane	ND	350	77	ug/kg	
78-87-5	1,2-Dichloropropane	ND	350	98	ug/kg	
142-28-9	1,3-Dichloropropane	ND	350	70	ug/kg	
594-20-7	2,2-Dichloropropane	ND	350	150	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB11-28		
Lab Sample ID:	F61708-2	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	350	70	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	350	140	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	350	110	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	350	91	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	1800	350	ug/kg	
541-73-1	m-Dichlorobenzene	ND	350	70	ug/kg	
95-50-1	o-Dichlorobenzene	ND	350	70	ug/kg	
106-46-7	p-Dichlorobenzene	ND	350	70	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	350	84	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	350	70	ug/kg	
100-41-4	Ethylbenzene	13600 [a]	3500	700	ug/kg	
97-63-2	Ethyl methacrylate	ND	1800	350	ug/kg	
76-13-1	Freon 113	ND	350	180	ug/kg	
591-78-6	2-Hexanone	ND	1800	350	ug/kg	
87-68-3	Hexachlorobutadiene	ND	350	84	ug/kg	
110-54-3	Hexane	ND	350	170	ug/kg	
98-82-8	Isopropylbenzene	99200 [a]	3500	770	ug/kg	
99-87-6	p-Isopropyltoluene	ND	350	77	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1800	450	ug/kg	
126-98-7	Methacrylonitrile	ND	1800	390	ug/kg	
74-83-9	Methyl bromide	ND	350	150	ug/kg	
74-87-3	Methyl chloride	ND	350	170	ug/kg	
74-88-4	Methyl iodide	ND	700	140	ug/kg	
80-62-6	Methyl methacrylate	ND	1800	350	ug/kg	
74-95-3	Methylene bromide	ND	350	110	ug/kg	
75-09-2	Methylene chloride	ND	700	350	ug/kg	
78-93-3	Methyl ethyl ketone	ND	1800	580	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	350	110	ug/kg	
91-20-3	Naphthalene	ND	350	140	ug/kg	
76-01-7	Pentachloroethane	ND	1800	350	ug/kg	
107-12-0	Propionitrile	ND	3500	840	ug/kg	
103-65-1	n-Propylbenzene	7080	350	84	ug/kg	
100-42-5	Styrene	ND	350	70	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	350	70	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	350	77	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	350	130	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	350	70	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	350	140	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	350	130	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	350	140	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB11-28		
Lab Sample ID:	F61708-2	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	350	70	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	350	70	ug/kg	
127-18-4	Tetrachloroethylene	ND	350	84	ug/kg	
108-88-3	Toluene	ND	350	70	ug/kg	
79-01-6	Trichloroethylene	ND	350	84	ug/kg	
75-69-4	Trichlorofluoromethane	ND	350	140	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	1800	350	ug/kg	
75-01-4	Vinyl chloride	ND	350	140	ug/kg	
108-05-4	Vinyl Acetate	ND	1800	840	ug/kg	
	m,p-Xylene	ND	700	130	ug/kg	
95-47-6	o-Xylene	ND	350	70	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%	99%	80-121%
2037-26-5	Toluene-D8	110%	90%	71-130%
460-00-4	4-Bromofluorobenzene	96%	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	106%	109%	77-123%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB11-28		
Lab Sample ID:	F61708-2	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	81.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	QR045056.D	1	12/07/08	AH	11/21/08 14:15	n/a	GQR1960
Run #2 [b]	QR044941.D	1	12/02/08	AH	11/21/08 14:15	n/a	GQR1955

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.26 g	5.0 ml	2.0 ul
Run #2	5.13 g	5.0 ml	100 ul

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	2360	350	180	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene		132% [c]	56-136%
460-00-4	4-Bromofluorobenzene	105%	330% [d]	56-136%
98-08-8	aaa-Trifluorotoluene	112%	247% [d]	61-121%

(a) Sample re-analyzed beyond hold time; reported results are considered minimum values.
(b) Confirmation run.
(c) Result reported from PID.
(d) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB11-28		
Lab Sample ID:	F61708-2	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	81.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10347.D	1	12/04/08	NY	11/24/08	OP27247	GYY372
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.2	mg/kg	
	TPH (> C22-C36)	ND	10	6.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	81%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB11-35		
Lab Sample ID:	F61708-3	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	90.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054485.D	1	12/01/08	MM	11/21/08 14:15	n/a	VG2061
Run #2							

	Initial Weight
Run #1	5.40 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	51	26	ug/kg	
75-05-8	Acetonitrile	ND	51	16	ug/kg	
107-02-8	Acrolein	ND	26	10	ug/kg	
107-13-1	Acrylonitrile	ND	26	7.0	ug/kg	
107-05-1	Allyl chloride	ND	26	5.1	ug/kg	
71-43-2	Benzene	ND	5.1	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.1	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.1	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.1	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.1	1.2	ug/kg	
75-25-2	Bromoform	ND	5.1	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.1	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.1	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.1	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.1	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.1	2.0	ug/kg	
67-66-3	Chloroform	ND	5.1	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.1	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.1	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.1	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	26	10	ug/kg	
75-15-0	Carbon disulfide	1.3	5.1	1.1	ug/kg	J
56-23-5	Carbon tetrachloride	ND	5.1	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.1	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	1.6	5.1	1.3	ug/kg	J
563-58-6	1,1-Dichloropropene	ND	5.1	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.1	2.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.1	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.1	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.1	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.1	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.1	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB11-35		
Lab Sample ID:	F61708-3	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	90.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.1	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.1	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.1	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.1	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	26	5.1	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.1	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.1	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.1	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.1	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.1	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.1	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	26	5.1	ug/kg	
76-13-1	Freon 113	ND	5.1	2.7	ug/kg	
591-78-6	2-Hexanone	ND	26	5.1	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.1	1.2	ug/kg	
110-54-3	Hexane	ND	5.1	2.5	ug/kg	
98-82-8	Isopropylbenzene	ND	5.1	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.1	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	26	6.5	ug/kg	
126-98-7	Methacrylonitrile	ND	26	5.6	ug/kg	
74-83-9	Methyl bromide	ND	5.1	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.1	2.5	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	26	5.1	ug/kg	
74-95-3	Methylene bromide	ND	5.1	1.5	ug/kg	
75-09-2	Methylene chloride [a]	6.3	10	5.1	ug/kg	JB
78-93-3	Methyl ethyl ketone	ND	26	8.5	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.1	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.1	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	26	5.1	ug/kg	
107-12-0	Propionitrile	ND	51	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.1	1.2	ug/kg	
100-42-5	Styrene	ND	5.1	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.1	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.1	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.1	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.1	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.1	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.1	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.1	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB11-35		
Lab Sample ID:	F61708-3	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	90.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.1	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.1	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.1	1.2	ug/kg	
108-88-3	Toluene	ND	5.1	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.1	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.1	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	26	5.1	ug/kg	
75-01-4	Vinyl chloride	ND	5.1	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	26	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.1	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-121%
2037-26-5	Toluene-D8	95%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	109%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB11-35		
Lab Sample ID:	F61708-3	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	90.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR044942.D	1	12/02/08	AH	11/21/08 14:15	n/a	GQR1955
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.30 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.7	2.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	78%		56-136%
98-08-8	aaa-Trifluorotoluene	70%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB11-35		
Lab Sample ID:	F61708-3	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	90.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10348.D	1	12/04/08	NY	11/24/08	OP27247	GYY372
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.1	5.4	mg/kg	
	TPH (> C22-C36)	ND	9.1	5.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	81%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB12-25		
Lab Sample ID:	F61708-4	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054486.D	1	12/01/08	MM	11/21/08 14:15	n/a	VG2061
Run #2							

	Initial Weight
Run #1	6.16 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	47	23	ug/kg	
75-05-8	Acetonitrile	ND	47	15	ug/kg	
107-02-8	Acrolein	ND	23	9.1	ug/kg	
107-13-1	Acrylonitrile	ND	23	6.4	ug/kg	
107-05-1	Allyl chloride	ND	23	4.7	ug/kg	
71-43-2	Benzene	ND	4.7	0.93	ug/kg	
100-44-7	Benzyl Chloride	ND	4.7	1.0	ug/kg	
108-86-1	Bromobenzene	ND	4.7	0.93	ug/kg	
74-97-5	Bromochloromethane	ND	4.7	1.6	ug/kg	
75-27-4	Bromodichloromethane	ND	4.7	1.1	ug/kg	
75-25-2	Bromoform	ND	4.7	1.4	ug/kg	
104-51-8	n-Butylbenzene	ND	4.7	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	4.7	1.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	4.7	1.0	ug/kg	
108-90-7	Chlorobenzene	ND	4.7	0.93	ug/kg	
75-00-3	Chloroethane	ND	4.7	1.9	ug/kg	
67-66-3	Chloroform	ND	4.7	1.6	ug/kg	
544-10-5	1-Chlorohexane	ND	4.7	1.2	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.7	0.93	ug/kg	
106-43-4	p-Chlorotoluene	ND	4.7	0.93	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	23	9.3	ug/kg	
75-15-0	Carbon disulfide	ND	4.7	1.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.7	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.7	1.9	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.7	1.2	ug/kg	
563-58-6	1,1-Dichloropropene	ND	4.7	1.3	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.7	2.2	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4.7	0.93	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.7	1.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.7	1.3	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4.7	0.93	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4.7	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB12-25		
Lab Sample ID:	F61708-4	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	4.7	0.93	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.7	1.9	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.7	1.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.7	1.2	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	23	4.7	ug/kg	
541-73-1	m-Dichlorobenzene	ND	4.7	0.93	ug/kg	
95-50-1	o-Dichlorobenzene	ND	4.7	0.93	ug/kg	
106-46-7	p-Dichlorobenzene	ND	4.7	0.93	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	4.7	1.1	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.7	0.93	ug/kg	
100-41-4	Ethylbenzene	ND	4.7	0.93	ug/kg	
97-63-2	Ethyl methacrylate	ND	23	4.7	ug/kg	
76-13-1	Freon 113	ND	4.7	2.4	ug/kg	
591-78-6	2-Hexanone	ND	23	4.7	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.7	1.1	ug/kg	
110-54-3	Hexane	ND	4.7	2.2	ug/kg	
98-82-8	Isopropylbenzene	ND	4.7	1.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	4.7	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	23	6.0	ug/kg	
126-98-7	Methacrylonitrile	ND	23	5.1	ug/kg	
74-83-9	Methyl bromide	ND	4.7	2.0	ug/kg	
74-87-3	Methyl chloride	ND	4.7	2.2	ug/kg	
74-88-4	Methyl iodide	ND	9.3	1.9	ug/kg	
80-62-6	Methyl methacrylate	ND	23	4.7	ug/kg	
74-95-3	Methylene bromide	ND	4.7	1.4	ug/kg	
75-09-2	Methylene chloride [a]	5.0	9.3	4.7	ug/kg	JB
78-93-3	Methyl ethyl ketone	ND	23	7.7	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.7	1.4	ug/kg	
91-20-3	Naphthalene	ND	4.7	1.9	ug/kg	
76-01-7	Pentachloroethane	ND	23	4.7	ug/kg	
107-12-0	Propionitrile	ND	47	11	ug/kg	
103-65-1	n-Propylbenzene	ND	4.7	1.1	ug/kg	
100-42-5	Styrene	ND	4.7	0.93	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.7	0.93	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.7	1.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.7	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.7	0.93	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.7	1.9	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.7	1.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	1.9	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB12-25		
Lab Sample ID:	F61708-4	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	4.7	0.93	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.7	0.93	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.7	1.1	ug/kg	
108-88-3	Toluene	ND	4.7	0.93	ug/kg	
79-01-6	Trichloroethylene	ND	4.7	1.1	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.7	1.9	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	23	4.7	ug/kg	
75-01-4	Vinyl chloride	ND	4.7	1.9	ug/kg	
108-05-4	Vinyl Acetate	ND	23	11	ug/kg	
	m,p-Xylene	ND	9.3	1.8	ug/kg	
95-47-6	o-Xylene	ND	4.7	0.93	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-121%
2037-26-5	Toluene-D8	92%		71-130%
460-00-4	4-Bromofluorobenzene	94%		59-148%
17060-07-0	1,2-Dichloroethane-D4	113%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB12-25		
Lab Sample ID:	F61708-4	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	87.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR044945.D	1	12/02/08	AH	11/21/08 14:15	n/a	GQR1955
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.75 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.7	2.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	85%		56-136%
98-08-8	aaa-Trifluorotoluene	71%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB12-25		
Lab Sample ID:	F61708-4	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	87.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10349.D	1	12/04/08	NY	11/24/08	OP27247	GYY372
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.4	5.6	mg/kg	
	TPH (> C22-C36)	ND	9.4	5.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	65%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB12-28		
Lab Sample ID:	F61708-5	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054490.D	1	12/01/08	MM	11/21/08 14:15	n/a	VG2061
Run #2	G0054536.D	1	12/02/08	MM	11/21/08 14:15	n/a	VG2062

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.77 g	5.0 ml	100 ul
Run #2	5.93 g	5.0 ml	50.0 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3000	1500	ug/kg	
75-05-8	Acetonitrile	ND	3000	960	ug/kg	
107-02-8	Acrolein	ND	1500	590	ug/kg	
107-13-1	Acrylonitrile	ND	1500	410	ug/kg	
107-05-1	Allyl chloride	ND	1500	300	ug/kg	
71-43-2	Benzene	653	300	60	ug/kg	
100-44-7	Benzyl Chloride	ND	300	66	ug/kg	
108-86-1	Bromobenzene	ND	300	60	ug/kg	
74-97-5	Bromochloromethane	ND	300	100	ug/kg	
75-27-4	Bromodichloromethane	ND	300	72	ug/kg	
75-25-2	Bromoform	ND	300	90	ug/kg	
104-51-8	n-Butylbenzene	ND	300	84	ug/kg	
135-98-8	sec-Butylbenzene	368	300	66	ug/kg	
98-06-6	tert-Butylbenzene	140	300	66	ug/kg	J
108-90-7	Chlorobenzene	ND	300	60	ug/kg	
75-00-3	Chloroethane	ND	300	120	ug/kg	
67-66-3	Chloroform	ND	300	100	ug/kg	
544-10-5	1-Chlorohexane	ND	300	78	ug/kg	
95-49-8	o-Chlorotoluene	ND	300	60	ug/kg	
106-43-4	p-Chlorotoluene	ND	300	60	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1500	600	ug/kg	
75-15-0	Carbon disulfide	ND	300	66	ug/kg	
56-23-5	Carbon tetrachloride	ND	300	84	ug/kg	
75-34-3	1,1-Dichloroethane	ND	300	120	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	300	78	ug/kg	
563-58-6	1,1-Dichloropropene	ND	300	84	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	300	140	ug/kg	
106-93-4	1,2-Dibromoethane	ND	300	60	ug/kg	
107-06-2	1,2-Dichloroethane	ND	300	66	ug/kg	
78-87-5	1,2-Dichloropropane	ND	300	84	ug/kg	
142-28-9	1,3-Dichloropropane	ND	300	60	ug/kg	
594-20-7	2,2-Dichloropropane	ND	300	130	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB12-28		
Lab Sample ID:	F61708-5	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	300	60	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	300	120	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	300	96	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	300	78	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	1500	300	ug/kg	
541-73-1	m-Dichlorobenzene	ND	300	60	ug/kg	
95-50-1	o-Dichlorobenzene	ND	300	60	ug/kg	
106-46-7	p-Dichlorobenzene	ND	300	60	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	300	72	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	300	60	ug/kg	
100-41-4	Ethylbenzene	3340	300	60	ug/kg	
97-63-2	Ethyl methacrylate	ND	1500	300	ug/kg	
76-13-1	Freon 113	ND	300	160	ug/kg	
591-78-6	2-Hexanone	ND	1500	300	ug/kg	
87-68-3	Hexachlorobutadiene	ND	300	72	ug/kg	
110-54-3	Hexane	ND	300	140	ug/kg	
98-82-8	Isopropylbenzene	21600 [a]	590	130	ug/kg	
99-87-6	p-Isopropyltoluene	ND	300	66	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1500	380	ug/kg	
126-98-7	Methacrylonitrile	ND	1500	330	ug/kg	
74-83-9	Methyl bromide	ND	300	130	ug/kg	
74-87-3	Methyl chloride	ND	300	140	ug/kg	
74-88-4	Methyl iodide	ND	600	120	ug/kg	
80-62-6	Methyl methacrylate	ND	1500	300	ug/kg	
74-95-3	Methylene bromide	ND	300	90	ug/kg	
75-09-2	Methylene chloride [b]	484	600	300	ug/kg	JB
78-93-3	Methyl ethyl ketone	ND	1500	500	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	300	90	ug/kg	
91-20-3	Naphthalene	ND	300	120	ug/kg	
76-01-7	Pentachloroethane	ND	1500	300	ug/kg	
107-12-0	Propionitrile	ND	3000	720	ug/kg	
103-65-1	n-Propylbenzene	711	300	72	ug/kg	
100-42-5	Styrene	ND	300	60	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	300	60	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	300	66	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	300	110	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	300	60	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	300	120	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	300	110	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	300	120	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB12-28		
Lab Sample ID:	F61708-5	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	324	300	60	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	387 [a]	590	120	ug/kg	J
127-18-4	Tetrachloroethylene	ND	300	72	ug/kg	
108-88-3	Toluene	747	300	60	ug/kg	
79-01-6	Trichloroethylene	ND	300	72	ug/kg	
75-69-4	Trichlorofluoromethane	ND	300	120	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	1500	300	ug/kg	
75-01-4	Vinyl chloride	ND	300	120	ug/kg	
108-05-4	Vinyl Acetate	ND	1500	720	ug/kg	
	m,p-Xylene	1410	600	110	ug/kg	
95-47-6	o-Xylene	1390	300	60	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%	100%	80-121%
2037-26-5	Toluene-D8	98%	94%	71-130%
460-00-4	4-Bromofluorobenzene	96%	100%	59-148%
17060-07-0	1,2-Dichloroethane-D4	108%	107%	77-123%

(a) Result is from Run# 2
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB12-28		
Lab Sample ID:	F61708-5	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	84.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	QR045010.D	1	12/05/08	AH	11/21/08 14:15	n/a	GQR1958
Run #2 [b]	QR044946.D	1	12/02/08	AH	11/21/08 14:15	n/a	GQR1955

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.93 g	5.0 ml	5.0 ul
Run #2	5.93 g	5.0 ml	100 ul

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	339	120	59	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%	330% [c]	56-136%
98-08-8	aaa-Trifluorotoluene	101%	882% [c]	61-121%

(a) Sample re-analyzed beyond hold time; reported results are considered minimum values.
(b) Confirmation run.
(c) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB12-28		
Lab Sample ID:	F61708-5	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	84.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10350.D	1	12/04/08	NY	11/24/08	OP27247	GYY372
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.8	5.9	mg/kg	
	TPH (> C22-C36)	ND	9.8	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	76%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB12-33		
Lab Sample ID:	F61708-6	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054487.D	1	12/01/08	MM	11/21/08 14:15	n/a	VG2061
Run #2							

	Initial Weight
Run #1	5.66 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	53	26	ug/kg	
75-05-8	Acetonitrile	ND	53	17	ug/kg	
107-02-8	Acrolein	ND	26	10	ug/kg	
107-13-1	Acrylonitrile	ND	26	7.3	ug/kg	
107-05-1	Allyl chloride	ND	26	5.3	ug/kg	
71-43-2	Benzene	5.1	5.3	1.1	ug/kg	J
100-44-7	Benzyl Chloride	ND	5.3	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.3	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.3	1.8	ug/kg	
75-27-4	Bromodichloromethane	ND	5.3	1.3	ug/kg	
75-25-2	Bromoform	ND	5.3	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	5.3	1.5	ug/kg	
135-98-8	sec-Butylbenzene	2.0	5.3	1.2	ug/kg	J
98-06-6	tert-Butylbenzene	ND	5.3	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.3	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.3	2.1	ug/kg	
67-66-3	Chloroform	ND	5.3	1.8	ug/kg	
544-10-5	1-Chlorohexane	ND	5.3	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.3	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.3	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	26	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.3	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.3	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.3	2.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.3	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.3	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.3	2.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.3	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.3	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.3	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.3	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.3	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB12-33		
Lab Sample ID:	F61708-6	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.3	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.3	2.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.3	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.3	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	26	5.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.3	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.3	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.3	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.3	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.3	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.3	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	26	5.3	ug/kg	
76-13-1	Freon 113	ND	5.3	2.7	ug/kg	
591-78-6	2-Hexanone	ND	26	5.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.3	1.3	ug/kg	
110-54-3	Hexane	ND	5.3	2.5	ug/kg	
98-82-8	Isopropylbenzene	60.9	5.3	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.3	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	26	6.7	ug/kg	
126-98-7	Methacrylonitrile	ND	26	5.8	ug/kg	
74-83-9	Methyl bromide	ND	5.3	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.3	2.5	ug/kg	
74-88-4	Methyl iodide	ND	11	2.1	ug/kg	
80-62-6	Methyl methacrylate	ND	26	5.3	ug/kg	
74-95-3	Methylene bromide	ND	5.3	1.6	ug/kg	
75-09-2	Methylene chloride [a]	7.7	11	5.3	ug/kg	JB
78-93-3	Methyl ethyl ketone	ND	26	8.7	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.3	1.6	ug/kg	
91-20-3	Naphthalene	ND	5.3	2.1	ug/kg	
76-01-7	Pentachloroethane	ND	26	5.3	ug/kg	
107-12-0	Propionitrile	ND	53	13	ug/kg	
103-65-1	n-Propylbenzene	4.9	5.3	1.3	ug/kg	J
100-42-5	Styrene	ND	5.3	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.3	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.3	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.3	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.3	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.3	2.1	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.3	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.3	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB12-33		
Lab Sample ID:	F61708-6	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	1.5	5.3	1.1	ug/kg	J
108-67-8	1,3,5-Trimethylbenzene	ND	5.3	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.3	1.3	ug/kg	
108-88-3	Toluene	ND	5.3	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.3	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.3	2.1	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	26	5.3	ug/kg	
75-01-4	Vinyl chloride	ND	5.3	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	26	13	ug/kg	
	m,p-Xylene	3.3	11	2.0	ug/kg	J
95-47-6	o-Xylene	1.6	5.3	1.1	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-121%
2037-26-5	Toluene-D8	94%		71-130%
460-00-4	4-Bromofluorobenzene	101%		59-148%
17060-07-0	1,2-Dichloroethane-D4	107%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB12-33		
Lab Sample ID:	F61708-6	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	84.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR044947.D	1	12/02/08	AH	11/21/08 14:15	n/a	GQR1955
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.69 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	15.8	6.2	3.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	82%		56-136%
98-08-8	aaa-Trifluorotoluene	86%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB12-33		
Lab Sample ID:	F61708-6	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/21/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	84.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10351.D	1	12/04/08	NY	11/24/08	OP27247	GYY372
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.7	5.8	mg/kg	
	TPH (> C22-C36)	ND	9.7	5.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	78%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61708-7	**Date Sampled:**	11/20/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/21/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054488.D	1	12/01/08	MM	n/a	n/a	VG2061
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61708-7	**Date Sampled:**	11/20/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/21/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride [a]	7.4	10	5.0	ug/kg	JB
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61708-7	**Date Sampled:**	11/20/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/21/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-121%
2037-26-5	Toluene-D8	95%		71-130%
460-00-4	4-Bromofluorobenzene	94%		59-148%
17060-07-0	1,2-Dichloroethane-D4	107%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

F61708

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

Page 1 of 1

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number [1]: 11-20-2008-3

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Zack Beck / Greg Kinsman

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)					Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
1	SS61-SB11-25	SS61-SB11	20-Nov-2008	0930	23-25	N	01	SO	5	X	X	X									3
2	SS61-SB11-28	SS61-SB11	20-Nov-2008	0945	26-28	N	01	SO	5	X	X	X									3
3	SS61-SB11-35	SS61-SB11	20-Nov-2008	1000	33-35	N	01	SO	5	X	X	X									3
4	SS61-SB12-25	SS61-SB12	20-Nov-2008	1200	23-25	N	01	SO	5	X	X	X									3
5	SS61-SB12-28	SS61-SB12	20 Nov 2008	1215	26-28	N	01	SO	5	X	X	X									3
6	SS61-SB12-33	SS61-SB12	20 Nov 2008	1235	31-33	N	01	SO	5	X	X	X									3
7	Trip Blank				-	TB		WQ	3	X											3
					-																
					-																
					-																
					-																

Sample Analysis Requested [5] | Quality Assurance Samples [6]

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time	Received By (signed)	Date	Time
1.	[signature]	11/20/08	1400	[signature] FX		
2.	FX	11/21/08	9:00	[signature]	11/21/08	9:00
3.						

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: Shipped No.:

Method of Shipment: Airbill Number:

Analytical Lab: Accutest Laboratories Delivery Location:

Lab Recipient: Delivery Date/Time:

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

2.7

4.1 4

F61708: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61708 CLIENT: BHATE PROJECT: SS-61 (Spill Site 61)

DATE/TIME RECEIVED: 11/21/08 9:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.2

METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8608 3474 8606

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [X] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 24

NUMBER OF 5035 FIELD KITS ? 10

NUMBER OF LAB FILTERED METALS ?

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE 11/21/08 TECHNICIAN SIGNATURE/DATE 11-21-08

ASBD 12/17/07

4.1 4

F61708: Chain of Custody

Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61708
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2061-MB	G0054483.D	1	12/01/08	MM	n/a	n/a	VG2061

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61708-1, F61708-2, F61708-3, F61708-4, F61708-5, F61708-6, F61708-7

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61708
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2061-MB	G0054483.D	1	12/01/08	MM	n/a	n/a	VG2061

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61708-1, F61708-2, F61708-3, F61708-4, F61708-5, F61708-6, F61708-7

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	6.3	10	5.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F61708
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2061-MB	G0054483.D	1	12/01/08	MM	n/a	n/a	VG2061

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61708-1, F61708-2, F61708-3, F61708-4, F61708-5, F61708-6, F61708-7

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	80-121%
2037-26-5	Toluene-D8	94%	71-130%
460-00-4	4-Bromofluorobenzene	98%	59-148%
17060-07-0	1,2-Dichloroethane-D4	109%	77-123%

Method Blank Summary

Job Number: F61708
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2062-MB	G0054527.D	1	12/02/08	MM	n/a	n/a	VG2062

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61708-2, F61708-5

CAS No.	Compound	Result	RL	MDL	Units	Q
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	80-121%
2037-26-5	Toluene-D8	92%	71-130%
460-00-4	4-Bromofluorobenzene	96%	59-148%
17060-07-0	1,2-Dichloroethane-D4	113%	77-123%

Blank Spike Summary

Job Number: F61708
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2061-BS	G0054473.D	1	12/01/08	MM	n/a	n/a	VG2061

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61708-1, F61708-2, F61708-3, F61708-4, F61708-5, F61708-6, F61708-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	139	56*	61-144
75-05-8	Acetonitrile	500	391	78	59-139
107-02-8	Acrolein	250	76.6	31	27-156
107-13-1	Acrylonitrile	250	217	87	55-144
107-05-1	Allyl chloride	50	61.4	123	41-152
71-43-2	Benzene	50	55.1	110	78-130
100-44-7	Benzyl Chloride	50	37.3	75	74-130
108-86-1	Bromobenzene	50	53.4	107	78-123
74-97-5	Bromochloromethane	50	44.6	89	72-122
75-27-4	Bromodichloromethane	50	49.6	99	73-122
75-25-2	Bromoform	50	37.9	76	70-139
104-51-8	n-Butylbenzene	50	57.5	115	80-138
135-98-8	sec-Butylbenzene	50	58.5	117	82-132
98-06-6	tert-Butylbenzene	50	56.2	112	79-130
108-90-7	Chlorobenzene	50	53.1	106	83-122
75-00-3	Chloroethane	50	53.0	106	61-153
67-66-3	Chloroform	50	56.1	112	79-129
544-10-5	1-Chlorohexane	50	54.5	109	85-137
95-49-8	o-Chlorotoluene	50	56.0	112	77-123
106-43-4	p-Chlorotoluene	50	55.5	111	78-129
110-75-8	2-Chloroethyl vinyl ether	250	270	108	52-142
75-15-0	Carbon disulfide	50	42.7	85	61-142
56-23-5	Carbon tetrachloride	50	56.0	112	79-135
75-34-3	1,1-Dichloroethane	50	56.4	113	77-132
75-35-4	1,1-Dichloroethylene	50	50.0	100	66-132
563-58-6	1,1-Dichloropropene	50	52.6	105	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	37.0	74	67-129
106-93-4	1,2-Dibromoethane	50	43.5	87	77-126
107-06-2	1,2-Dichloroethane	50	46.5	93	78-129
78-87-5	1,2-Dichloropropane	50	49.9	100	74-127
142-28-9	1,3-Dichloropropane	50	44.4	89	78-118
594-20-7	2,2-Dichloropropane	50	58.3	117	80-137
124-48-1	Dibromochloromethane	50	40.5	81	78-117
75-71-8	Dichlorodifluoromethane	50	36.1	72	35-162
156-59-2	cis-1,2-Dichloroethylene	50	51.1	102	74-123
10061-01-5	cis-1,3-Dichloropropene	50	49.4	99	79-130

Blank Spike Summary

Job Number: F61708
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2061-BS	G0054473.D	1	12/01/08	MM	n/a	n/a	VG2061

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61708-1, F61708-2, F61708-3, F61708-4, F61708-5, F61708-6, F61708-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	46.1	92	71-126
541-73-1	m-Dichlorobenzene	50	55.7	111	82-126
95-50-1	o-Dichlorobenzene	50	53.6	107	83-123
106-46-7	p-Dichlorobenzene	50	55.3	111	84-124
156-60-5	trans-1,2-Dichloroethylene	50	53.7	107	77-129
10061-02-6	trans-1,3-Dichloropropene	50	51.9	104	87-131
100-41-4	Ethylbenzene	50	53.1	106	82-124
97-63-2	Ethyl methacrylate	50	35.1	70*	78-118
76-13-1	Freon 113	50	44.7	89	62-147
591-78-6	2-Hexanone	250	178	71	67-130
87-68-3	Hexachlorobutadiene	50	62.5	125	77-150
110-54-3	Hexane	50	55.2	110	65-147
98-82-8	Isopropylbenzene	50	56.9	114	82-133
99-87-6	p-Isopropyltoluene	50	58.4	117	82-132
108-10-1	4-Methyl-2-pentanone	250	190	76	69-125
126-98-7	Methacrylonitrile	500	431	86	70-138
74-83-9	Methyl bromide	50	52.1	104	60-146
74-87-3	Methyl chloride	50	45.1	90	58-163
74-88-4	Methyl iodide	50	42.3	85	66-128
80-62-6	Methyl methacrylate	50	39.8	80	73-125
74-95-3	Methylene bromide	50	45.4	91	75-128
75-09-2	Methylene chloride	50	55.6	111	62-140
78-93-3	Methyl ethyl ketone	250	167	67	66-134
1634-04-4	Methyl Tert Butyl Ether	50	41.6	83	70-131
91-20-3	Naphthalene	50	43.1	86	59-143
76-01-7	Pentachloroethane	50	57.3	115	64-156
107-12-0	Propionitrile	500	402	80	73-133
103-65-1	n-Propylbenzene	50	56.8	114	78-129
100-42-5	Styrene	50	48.0	96	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	50.2	100	81-121
71-55-6	1,1,1-Trichloroethane	50	55.4	111	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	44.6	89	70-128
79-00-5	1,1,2-Trichloroethane	50	44.4	89	76-118
87-61-6	1,2,3-Trichlorobenzene	50	52.4	105	78-136
96-18-4	1,2,3-Trichloropropane	50	41.6	83	74-125
120-82-1	1,2,4-Trichlorobenzene	50	54.6	109	82-137

Blank Spike Summary

Job Number: F61708
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2061-BS	G0054473.D	1	12/01/08	MM	n/a	n/a	VG2061

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61708-1, F61708-2, F61708-3, F61708-4, F61708-5, F61708-6, F61708-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	56.9	114	77-129
108-67-8	1,3,5-Trimethylbenzene	50	56.8	114	79-129
127-18-4	Tetrachloroethylene	50	55.9	112	79-132
108-88-3	Toluene	50	53.2	106	80-123
79-01-6	Trichloroethylene	50	53.5	107	78-132
75-69-4	Trichlorofluoromethane	50	47.1	94	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	78.6	157*	74-138
75-01-4	Vinyl chloride	50	42.9	86	60-145
108-05-4	Vinyl Acetate	250	227	91	25-164
	m,p-Xylene	100	111	111	82-128
95-47-6	o-Xylene	50	54.0	108	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	80-121%
2037-26-5	Toluene-D8	96%	71-130%
460-00-4	4-Bromofluorobenzene	96%	59-148%
17060-07-0	1,2-Dichloroethane-D4	96%	77-123%

Blank Spike Summary

Job Number: F61708
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2062-BS	G0054526.D	1	12/02/08	MM	n/a	n/a	VG2062

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61708-2, F61708-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
100-41-4	Ethylbenzene	50	53.8	108	82-124
98-82-8	Isopropylbenzene	50	57.8	116	82-133
108-67-8	1,3,5-Trimethylbenzene	50	58.1	116	79-129

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	80-121%
2037-26-5	Toluene-D8	98%	71-130%
460-00-4	4-Bromofluorobenzene	101%	59-148%
17060-07-0	1,2-Dichloroethane-D4	91%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61708
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61708-1MS	G0054476.D	1	12/01/08	MM	n/a	n/a	VG2061
F61708-1MSD	G0054477.D	1	12/01/08	MM	n/a	n/a	VG2061
F61708-1	G0054475.D	1	12/01/08	MM	n/a	n/a	VG2061

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61708-1, F61708-2, F61708-3, F61708-4, F61708-5, F61708-6, F61708-7

CAS No.	Compound	F61708-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		281	124	44*	172	62	32*	61-144/29
75-05-8	Acetonitrile	ND		562	379	67	486	87	25	59-139/30
107-02-8	Acrolein	ND		281	12.3	4*	ND	0*	200*	27-156/39
107-13-1	Acrylonitrile	ND		281	254	90	314	112	21	55-144/24
107-05-1	Allyl chloride	ND		56.2	50.3	89	51.4	92	2	41-152/24
71-43-2	Benzene	ND		56.2	63.4	113	66.9	120	5	78-130/25
100-44-7	Benzyl Chloride	ND		56.2	34.8	62*	34.0	61*	2	74-130/28
108-86-1	Bromobenzene	ND		56.2	64.5	115	70.4	126*	9	78-123/30
74-97-5	Bromochloromethane	ND		56.2	53.8	96	58.0	104	8	72-122/23
75-27-4	Bromodichloromethane	ND		56.2	56.1	100	58.4	104	4	73-122/25
75-25-2	Bromoform	ND		56.2	52.7	94	52.9	95	0	70-139/26
104-51-8	n-Butylbenzene	ND		56.2	64.7	115	68.6	123	6	80-138/31
135-98-8	sec-Butylbenzene	ND		56.2	67.5	120	73.7	132	9	82-132/29
98-06-6	tert-Butylbenzene	ND		56.2	66.5	118	72.0	129	8	79-130/29
108-90-7	Chlorobenzene	ND		56.2	63.6	113	66.7	119	5	83-122/23
75-00-3	Chloroethane	ND		56.2	62.2	111	73.9	132	17	61-153/31
67-66-3	Chloroform	ND		56.2	62.2	111	70.2	126	12	79-129/27
544-10-5	1-Chlorohexane	ND		56.2	64.7	115	66.2	118	2	85-137/29
95-49-8	o-Chlorotoluene	ND		56.2	64.9	115	69.5	124*	7	77-123/31
106-43-4	p-Chlorotoluene	ND		56.2	63.7	113	68.3	122	7	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		281	332	118	352	126	6	52-142/25
75-15-0	Carbon disulfide	ND		56.2	55.4	99	58.6	105	6	61-142/27
56-23-5	Carbon tetrachloride	ND		56.2	67.6	120	68.0	122	1	79-135/29
75-34-3	1,1-Dichloroethane	ND		56.2	63.6	113	66.7	119	5	77-132/26
75-35-4	1,1-Dichloroethylene	ND		56.2	61.3	109	63.5	114	4	66-132/27
563-58-6	1,1-Dichloropropene	ND		56.2	62.9	112	67.3	120	7	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		56.2	50.0	89	59.4	106	17	67-129/29
106-93-4	1,2-Dibromoethane	ND		56.2	55.4	99	58.7	105	6	77-126/24
107-06-2	1,2-Dichloroethane	ND		56.2	55.3	98	62.7	112	13	78-129/24
78-87-5	1,2-Dichloropropane	ND		56.2	58.2	103	64.1	115	10	74-127/27
142-28-9	1,3-Dichloropropane	ND		56.2	56.2	100	58.8	105	5	78-118/26
594-20-7	2,2-Dichloropropane	ND		56.2	53.2	95	47.4	85	12	80-137/28
124-48-1	Dibromochloromethane	ND		56.2	51.2	91	54.9	98	7	78-117/27
75-71-8	Dichlorodifluoromethane	ND		56.2	45.3	81	53.0	95	16	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		56.2	57.9	103	64.8	116	11	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		56.2	56.3	100	58.3	104	3	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61708
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61708-1MS	G0054476.D	1	12/01/08	MM	n/a	n/a	VG2061
F61708-1MSD	G0054477.D	1	12/01/08	MM	n/a	n/a	VG2061
F61708-1	G0054475.D	1	12/01/08	MM	n/a	n/a	VG2061

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61708-1, F61708-2, F61708-3, F61708-4, F61708-5, F61708-6, F61708-7

CAS No.	Compound	F61708-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		56.2	48.2	86	52.6	94	9	71-126/28
541-73-1	m-Dichlorobenzene	ND		56.2	65.8	117	68.9	123	5	82-126/29
95-50-1	o-Dichlorobenzene	ND		56.2	63.2	112	69.3	124*	9	83-123/28
106-46-7	p-Dichlorobenzene	ND		56.2	61.5	109	68.7	123	11	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		56.2	62.8	112	67.9	121	8	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		56.2	60.3	107	60.0	107	0	87-131/27
100-41-4	Ethylbenzene	ND		56.2	63.5	113	67.8	121	7	82-124/25
97-63-2	Ethyl methacrylate	ND		56.2	42.9	76*	49.0	88	13	78-118/30
76-13-1	Freon 113	ND		56.2	55.4	99	86.5	155*	44*	62-147/29
591-78-6	2-Hexanone	ND		281	218	78	252	90	14	67-130/29
87-68-3	Hexachlorobutadiene	ND		56.2	69.9	124	83.2	149	17	77-150/36
110-54-3	Hexane	ND		56.2	56.7	101	59.7	107	5	65-147/27
98-82-8	Isopropylbenzene	ND		56.2	67.7	120	71.3	128	5	82-133/27
99-87-6	p-Isopropyltoluene	ND		56.2	65.0	116	72.4	129	11	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		281	260	92	300	107	14	69-125/24
126-98-7	Methacrylonitrile	ND		562	497	88	620	111	22	70-138/22
74-83-9	Methyl bromide	ND		56.2	62.1	110	65.5	117	5	60-146/31
74-87-3	Methyl chloride	ND		56.2	53.9	96	59.2	106	9	58-163/26
74-88-4	Methyl iodide	ND		56.2	51.5	92	56.3	101	9	66-128/27
80-62-6	Methyl methacrylate	ND		56.2	51.1	91	58.2	104	13	73-125/24
74-95-3	Methylene bromide	ND		56.2	53.2	95	62.2	111	16	75-128/26
75-09-2	Methylene chloride	5.7	JB	56.2	65.9	107	68.9	113	4	62-140/25
78-93-3	Methyl ethyl ketone	ND		281	170	60*	230	82	30*	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		56.2	51.2	91	50.6	90	1	70-131/25
91-20-3	Naphthalene	ND		56.2	54.9	98	57.1	102	4	59-143/31
76-01-7	Pentachloroethane	ND		56.2	55.0	98	54.3	97	1	64-156/37
107-12-0	Propionitrile	ND		562	454	81	597	107	27*	73-133/23
103-65-1	n-Propylbenzene	ND		56.2	66.8	119	71.7	128	7	78-129/29
100-42-5	Styrene	ND		56.2	56.3	100	57.2	102	2	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		56.2	63.5	113	63.4	113	0	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		56.2	66.6	118	74.1	133	11	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		56.2	56.5	100	66.5	119	16	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		56.2	56.6	101	63.1	113	11	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		56.2	61.6	110	68.7	123	11	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		56.2	49.1	87	55.7	100	13	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		56.2	65.3	116	65.3	117	0	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61708
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61708-1MS	G0054476.D	1	12/01/08	MM	n/a	n/a	VG2061
F61708-1MSD	G0054477.D	1	12/01/08	MM	n/a	n/a	VG2061
F61708-1	G0054475.D	1	12/01/08	MM	n/a	n/a	VG2061

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61708-1, F61708-2, F61708-3, F61708-4, F61708-5, F61708-6, F61708-7

CAS No.	Compound	F61708-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		56.2	65.2	116	70.8	127	8	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		56.2	65.3	116	70.8	127	8	79-129/31
127-18-4	Tetrachloroethylene	ND		56.2	75.7	135*	80.4	144*	6	79-132/27
108-88-3	Toluene	ND		56.2	62.9	112	66.3	119	5	80-123/26
79-01-6	Trichloroethylene	ND		56.2	62.9	112	68.7	123	9	78-132/28
75-69-4	Trichlorofluoromethane	ND		56.2	57.4	102	74.8	134	26	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		56.2	97.8	174*	94.9	170*	3	74-138/30
75-01-4	Vinyl chloride	ND		56.2	50.7	90	57.3	102	12	60-145/29
108-05-4	Vinyl Acetate	ND		281	66.0	23*	59.5	21*	10	25-164/35
	m,p-Xylene	ND		112	129	115	138	123	7	82-128/25
95-47-6	o-Xylene	ND		56.2	65.4	116	66.6	119	2	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61708-1	Limits
1868-53-7	Dibromofluoromethane	101%	108%	102%	80-121%
2037-26-5	Toluene-D8	100%	96%	93%	71-130%
460-00-4	4-Bromofluorobenzene	100%	100%	96%	59-148%
17060-07-0	1,2-Dichloroethane-D4	92%	105%	108%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61708
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61737-1MS	G0054529.D	1	12/02/08	MM	n/a	n/a	VG2062
F61737-1MSD	G0054530.D	1	12/02/08	MM	n/a	n/a	VG2062
F61737-1	G0054528.D	1	12/02/08	MM	n/a	n/a	VG2062

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61708-2, F61708-5

CAS No.	Compound	F61737-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
100-41-4	Ethylbenzene	ND		65.7	65.7	100	66.9	100	2	82-124/25
98-82-8	Isopropylbenzene	ND		65.7	70.4	107	70.4	105	0	82-133/27
108-67-8	1,3,5-Trimethylbenzene	ND		65.7	65.8	100	70.3	105	7	79-129/31

CAS No.	Surrogate Recoveries	MS	MSD	F61737-1	Limits
1868-53-7	Dibromofluoromethane	104%	100%	100%	80-121%
2037-26-5	Toluene-D8	94%	99%	91%	71-130%
460-00-4	4-Bromofluorobenzene	94%	101%	106%	59-148%
17060-07-0	1,2-Dichloroethane-D4	108%	93%	109%	77-123%

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61708
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1955-MB	QR044934.D	1	12/02/08	AH	n/a	n/a	GQR1955

The QC reported here applies to the following samples: **Method:** SW846 8015

F61708-1, F61708-3, F61708-4, F61708-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	69%	56-136%
98-08-8	aaa-Trifluorotoluene	76%	61-121%

Method Blank Summary

Job Number: F61708
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1958-MB	QR044995.D	1	12/05/08	AH	n/a	n/a	GQR1958

The QC reported here applies to the following samples: **Method:** SW846 8015

F61708-5

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	90%	56-136%
98-08-8	aaa-Trifluorotoluene	77%	61-121%

Method Blank Summary

Job Number: F61708
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1960-MB	QR045051.D	1	12/07/08	AH	n/a	n/a	GQR1960

The QC reported here applies to the following samples: **Method:** SW846 8015

F61708-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	82%	56-136%
98-08-8	aaa-Trifluorotoluene	77%	61-121%

Blank Spike Summary

Job Number: F61708
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1955-BS	QR044933.D	1	12/02/08	AH	n/a	n/a	GQR1955

The QC reported here applies to the following samples: **Method:** SW846 8015

F61708-1, F61708-3, F61708-4, F61708-6

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	20.6	103	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	94%	56-136%
98-08-8	aaa-Trifluorotoluene	88%	61-121%

Blank Spike Summary

Job Number: F61708
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1958-BS	QR044994.D	1	12/05/08	AH	n/a	n/a	GQR1958

The QC reported here applies to the following samples: **Method:** SW846 8015

F61708-5

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	18.5	93	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	102%	56-136%
98-08-8	aaa-Trifluorotoluene	96%	61-121%

Blank Spike Summary

Job Number: F61708
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1960-BS	QR045050.D	1	12/07/08	AH	n/a	n/a	GQR1960

The QC reported here applies to the following samples: **Method:** SW846 8015

F61708-2

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	19.9	100	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	96%	56-136%
98-08-8	aaa-Trifluorotoluene	96%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61708
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61737-1MS	QR044956.D	1	12/03/08	AH	n/a	n/a	GQR1955
F61737-1MSD	QR044957.D	1	12/03/08	AH	n/a	n/a	GQR1955
F61737-1	QR044950.D	1	12/03/08	AH	n/a	n/a	GQR1955

The QC reported here applies to the following samples: **Method:** SW846 8015

F61708-1, F61708-3, F61708-4, F61708-6

CAS No.	Compound	F61737-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		26.2	21.0	80	21.0	80	0	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61737-1	Limits
460-00-4	4-Bromofluorobenzene	75%	77%	74%	56-136%
98-08-8	aaa-Trifluorotoluene	91%	89%	74%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61708
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61771-4MS	QR045015.D	1	12/05/08	AH	n/a	n/a	GQR1958
F61771-4MSD	QR045016.D	1	12/05/08	AH	n/a	n/a	GQR1958
F61771-4	QR044999.D	1	12/05/08	AH	n/a	n/a	GQR1958

The QC reported here applies to the following samples: **Method:** SW846 8015

F61708-5

CAS No.	Compound	F61771-4 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		30.5	24.4	80	24.7	81	1	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61771-4	Limits
460-00-4	4-Bromofluorobenzene	98%	96%	89%	56-136%
98-08-8	aaa-Trifluorotoluene	94%	84%	77%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61708
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61772-10MS	QR045069.D	1	12/07/08	AH	n/a	n/a	GQR1960
F61772-10MSD	QR045070.D	1	12/07/08	AH	n/a	n/a	GQR1960
F61772-10 [a]	QR045055.D	1	12/07/08	AH	n/a	n/a	GQR1960

The QC reported here applies to the following samples: **Method:** SW846 8015

F61708-2

CAS No.	Compound	F61772-10 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		27.1	24.3	90	26.0	96	7	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61772-10	Limits
460-00-4	4-Bromofluorobenzene	82%	91%	76%	56-136%
98-08-8	aaa-Trifluorotoluene	93%	95%	77%	61-121%

(a) En Core samples were not preserved within 48 hours.

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61708
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27247-MB	YY10333.D	1	12/04/08	NY	11/24/08	OP27247	GYY372

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61708-1, F61708-2, F61708-3, F61708-4, F61708-5, F61708-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	79%	49-108%

Method Blank Summary

Job Number: F61708
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27247-MB	LL24386.D	1	12/08/08	NY	11/24/08	OP27247	GLL909

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61708-1, F61708-2, F61708-3, F61708-4, F61708-5, F61708-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	82%	49-108%

Blank Spike Summary

Job Number: F61708
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27247-BS	YY10332.D	1	12/04/08	NY	11/24/08	OP27247	GYY372

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61708-1, F61708-2, F61708-3, F61708-4, F61708-5, F61708-6

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	28.4	85	64-102
	TPH (> C22-C36)	33.3	33.7	101	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	85%	49-108%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61708
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27247-MS	YY10356.D	1	12/05/08	NY	11/24/08	OP27247	GYY372
OP27247-MSD	YY10357.D	1	12/05/08	NY	11/24/08	OP27247	GYY372
F61737-1	YY10352.D	1	12/04/08	NY	11/24/08	OP27247	GYY372

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61708-1, F61708-2, F61708-3, F61708-4, F61708-5, F61708-6

CAS No.	Compound	F61737-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		41.7	37.3	89	36.2	86	3	64-102/32
	TPH (> C22-C36)	ND		41.7	45.7	110	43.9	105	4	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F61737-1	Limits
84-15-1	o-Terphenyl	92%	87%	100%	49-108%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/15/08

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F61736

Sampling Date: 11/21/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **63**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Note: This report is password protected to disallow document modification or assembly.
A password to unlock this report is available from your client service representative.

Sections: 1 2 3 4 5 6 7

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F61736-1: SS61-SB14-20 7
3.2: F61736-2: SS61-SB14-28 12
3.3: F61736-3: SS61-SB14-40 17
3.4: F61736-4: SS61-SB15-22 22
3.5: F61736-5: SS61-SB15-25 27
3.6: F61736-6: SS61-SB15-33 32
3.7: F61736-7: TRIP BLANK 37
Section 4: Misc. Forms **40**
4.1: Chain of Custody 41
Section 5: GC/MS Volatiles - QC Data Summaries **43**
5.1: Method Blank Summary 44
5.2: Blank Spike Summary 47
5.3: Matrix Spike/Matrix Spike Duplicate Summary 50
Section 6: GC Volatiles - QC Data Summaries **53**
6.1: Method Blank Summary 54
6.2: Blank Spike Summary 56
6.3: Matrix Spike/Matrix Spike Duplicate Summary 58
Section 7: GC Semi-volatiles - QC Data Summaries **60**
7.1: Method Blank Summary 61
7.2: Blank Spike Summary 62
7.3: Matrix Spike/Matrix Spike Duplicate Summary 63

Sample Summary

North Wind, Inc

Job No: F61736

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F61736-1	11/21/08	08:15	BMK	11/22/08	SO	Soil	SS61-SB14-20
F61736-2	11/21/08	08:30	BMK	11/22/08	SO	Soil	SS61-SB14-28
F61736-3	11/21/08	08:40	BMK	11/22/08	SO	Soil	SS61-SB14-40
F61736-4	11/21/08	10:30	BMK	11/22/08	SO	Soil	SS61-SB15-22
F61736-5	11/21/08	10:40	BMK	11/22/08	SO	Soil	SS61-SB15-25
F61736-6	11/21/08	10:50	BMK	11/22/08	SO	Soil	SS61-SB15-33
F61736-7	11/21/08	00:00	BMK	11/22/08	SO	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F61736

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/9/2008 1:51:53 PM

6 Samples, 1 Trip Blank were collected on 11/21/2008 and received at Accutest on 11/22/2008 properly preserved, at 2 Deg. C and intact. These Samples received an Accutest job number of F61736. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2064

All samples were analyzed within the recommended method holding time.

Sample(s) F61771-4MS, F61771-4MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

BS and/or MS/MSD Recovery(s) for 1,2,3-Trichlorobenzene, Acetonitrile, Acrolein, Freon 113, Trans-1,4-Dichloro-2-Butene are outside control limits. Acetonitrile and TDB biased high and not detected in the samples. 1,2,3-Trichlorobenzene, Acrolein, Freon 113 data considered minimum values.

Matrix Spike Recovery(s) for 1-Chlorohexane, Benzene, Ethyl methacrylate, Isopropylbenzene, are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,2,4-Trichlorobenzene, Benzene, Ethyl methacrylate, are outside control limits. Probable cause due to matrix interference. See Blank Spike for method performance in clean matrix.

F61736-1 for Methylene chloride: Suspected laboratory contaminant.

F61736-1 for Freon 113: CCV outside of control limits; results may be biased low.

F61736-7 for Methylene chloride: Suspected laboratory contaminant.

F61736-2 for 1,2,3-Trichlorobenzene: CCV outside of control limits; results may be biased low.

F61736-2 for Freon 113: CCV outside of control limits; results may be biased low.

F61736-2 for Methylene chloride: Suspected laboratory contaminant.

F61736-3 for 1,2,3-Trichlorobenzene: CCV outside of control limits; results may be biased low.

F61736-5 for Methylene chloride: Suspected laboratory contaminant.

F61736-6 for Methylene chloride: Suspected laboratory contaminant.

F61736-6 for Freon 113: CCV outside of control limits; results may be biased low.

F61736-1 for 1,2,3-Trichlorobenzene: CCV outside of control limits; results may be biased low.

F61736-7 for Freon 113: CCV outside of control limits; results may be biased low.

F61736-7 for 1,2,3-Trichlorobenzene: CCV outside of control limits; results may be biased low.

F61736-6 for 1,2,3-Trichlorobenzene: CCV outside of control limits; results may be biased low.

F61736-5 for Freon 113: CCV outside of control limits; results may be biased low.

F61736-5 for 1,2,3-Trichlorobenzene: CCV outside of control limits; results may be biased low.

F61736-4 for Methylene chloride: Suspected laboratory contaminant.

F61736-4 for Freon 113: CCV outside of control limits; results may be biased low.

F61736-4 for 1,2,3-Trichlorobenzene: CCV outside of control limits; results may be biased low.

F61736-3 for Methylene chloride: Suspected laboratory contaminant.

F61736-3 for Freon 113: CCV outside of control limits; results may be biased low.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GCD3628

All samples were analyzed within the recommended method holding time.

Sample(s) F61736-1MS, F61736-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Matrix: SO **Batch ID:** GCD3629

Sample(s) F61775-2MS, F61775-2MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Extractables by GC By Method SW846 8015 M

Matrix: SO **Batch ID:** OP27263

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F61736-3MS, F61736-3MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

F61736-2 for TPH (C10-C22): Petroleum hydrocarbon pattern begins before C10.

Wet Chemistry By Method SM19 2540B M

Matrix: SO **Batch ID:** GN32946

Sample(s) F61726-1DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: December 09, 2008

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-SB14-20		
Lab Sample ID:	F61736-1	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	77.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054598.D	1	12/04/08	MM	11/22/08 10:59	n/a	VG2064
Run #2							

	Initial Weight
Run #1	5.85 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	55	28	ug/kg	
75-05-8	Acetonitrile	ND	55	18	ug/kg	
107-02-8	Acrolein	ND	28	11	ug/kg	
107-13-1	Acrylonitrile	ND	28	7.6	ug/kg	
107-05-1	Allyl chloride	ND	28	5.5	ug/kg	
71-43-2	Benzene	ND	5.5	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.5	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.5	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.5	1.9	ug/kg	
75-27-4	Bromodichloromethane	ND	5.5	1.3	ug/kg	
75-25-2	Bromoform	ND	5.5	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	5.5	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.5	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.5	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.5	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.5	2.2	ug/kg	
67-66-3	Chloroform	2.6	5.5	1.9	ug/kg	J
544-10-5	1-Chlorohexane	ND	5.5	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.5	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.5	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	28	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.5	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.5	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.5	2.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.5	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.5	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.5	2.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.5	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.5	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.5	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.5	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.5	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB14-20		
Lab Sample ID:	F61736-1	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	77.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.5	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.5	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.5	1.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.5	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	28	5.5	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.5	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.5	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.5	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.5	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.5	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.5	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	28	5.5	ug/kg	
76-13-1	Freon 113 [a]	ND	5.5	2.9	ug/kg	
591-78-6	2-Hexanone	ND	28	5.5	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.5	1.3	ug/kg	
110-54-3	Hexane	ND	5.5	2.6	ug/kg	
98-82-8	Isopropylbenzene	ND	5.5	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.5	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	28	7.1	ug/kg	
126-98-7	Methacrylonitrile	ND	28	6.1	ug/kg	
74-83-9	Methyl bromide	ND	5.5	2.4	ug/kg	
74-87-3	Methyl chloride	ND	5.5	2.6	ug/kg	
74-88-4	Methyl iodide	ND	11	2.2	ug/kg	
80-62-6	Methyl methacrylate	ND	28	5.5	ug/kg	
74-95-3	Methylene bromide	ND	5.5	1.7	ug/kg	
75-09-2	Methylene chloride [b]	25.5	11	5.5	ug/kg	
78-93-3	Methyl ethyl ketone	ND	28	9.2	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.5	1.7	ug/kg	
91-20-3	Naphthalene	ND	5.5	2.2	ug/kg	
76-01-7	Pentachloroethane	ND	28	5.5	ug/kg	
107-12-0	Propionitrile	ND	55	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.5	1.3	ug/kg	
100-42-5	Styrene	ND	5.5	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.5	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.5	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.5	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.5	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene [a]	ND	5.5	2.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.5	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.5	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB14-20		
Lab Sample ID:	F61736-1	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	77.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.5	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.5	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.5	1.3	ug/kg	
108-88-3	Toluene	ND	5.5	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.5	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.5	2.2	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	28	5.5	ug/kg	
75-01-4	Vinyl chloride	ND	5.5	2.2	ug/kg	
108-05-4	Vinyl Acetate	ND	28	13	ug/kg	
	m,p-Xylene	ND	11	2.1	ug/kg	
95-47-6	o-Xylene	ND	5.5	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-121%
2037-26-5	Toluene-D8	90%		71-130%
460-00-4	4-Bromofluorobenzene	97%		59-148%
17060-07-0	1,2-Dichloroethane-D4	109%		77-123%

(a) CCV outside of control limits; results may be biased low.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB14-20		
Lab Sample ID:	F61736-1	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	77.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086216.D	1	12/04/08	JG	11/22/08 10:59	n/a	GCD3628
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.02 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.8	3.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	84%		56-136%
98-08-8	aaa-Trifluorotoluene	85%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB14-20		
Lab Sample ID:	F61736-1	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	77.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10382.D	1	12/05/08	NY	11/25/08	OP27263	GYY372
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	11	6.4	mg/kg	
	TPH (> C22-C36)	ND	11	6.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB14-28		
Lab Sample ID:	F61736-2	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	71.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054599.D	1	12/04/08	MM	11/22/08 10:59	n/a	VG2064
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.08 g	5.0 ml	20.0 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	22000	11000	ug/kg	
75-05-8	Acetonitrile	ND	22000	7100	ug/kg	
107-02-8	Acrolein	ND	11000	4300	ug/kg	
107-13-1	Acrylonitrile	ND	11000	3000	ug/kg	
107-05-1	Allyl chloride	ND	11000	2200	ug/kg	
71-43-2	Benzene	18500	2200	440	ug/kg	
100-44-7	Benzyl Chloride	ND	2200	480	ug/kg	
108-86-1	Bromobenzene	ND	2200	440	ug/kg	
74-97-5	Bromochloromethane	ND	2200	750	ug/kg	
75-27-4	Bromodichloromethane	ND	2200	530	ug/kg	
75-25-2	Bromoform	ND	2200	660	ug/kg	
104-51-8	n-Butylbenzene	ND	2200	620	ug/kg	
135-98-8	sec-Butylbenzene	750	2200	480	ug/kg	J
98-06-6	tert-Butylbenzene	ND	2200	480	ug/kg	
108-90-7	Chlorobenzene	ND	2200	440	ug/kg	
75-00-3	Chloroethane	ND	2200	880	ug/kg	
67-66-3	Chloroform	ND	2200	750	ug/kg	
544-10-5	1-Chlorohexane	ND	2200	570	ug/kg	
95-49-8	o-Chlorotoluene	ND	2200	440	ug/kg	
106-43-4	p-Chlorotoluene	ND	2200	440	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	11000	4400	ug/kg	
75-15-0	Carbon disulfide	ND	2200	480	ug/kg	
56-23-5	Carbon tetrachloride	ND	2200	620	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2200	880	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	2200	570	ug/kg	
563-58-6	1,1-Dichloropropene	ND	2200	620	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2200	1100	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2200	440	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2200	480	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2200	620	ug/kg	
142-28-9	1,3-Dichloropropane	ND	2200	440	ug/kg	
594-20-7	2,2-Dichloropropane	ND	2200	930	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB14-28		
Lab Sample ID:	F61736-2	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	71.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	2200	440	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2200	880	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	2200	710	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2200	570	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	11000	2200	ug/kg	
541-73-1	m-Dichlorobenzene	ND	2200	440	ug/kg	
95-50-1	o-Dichlorobenzene	ND	2200	440	ug/kg	
106-46-7	p-Dichlorobenzene	ND	2200	440	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	2200	530	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2200	440	ug/kg	
100-41-4	Ethylbenzene	17500	2200	440	ug/kg	
97-63-2	Ethyl methacrylate	ND	11000	2200	ug/kg	
76-13-1	Freon 113 [a]	ND	2200	1100	ug/kg	
591-78-6	2-Hexanone	ND	11000	2200	ug/kg	
87-68-3	Hexachlorobutadiene	ND	2200	530	ug/kg	
110-54-3	Hexane	ND	2200	1100	ug/kg	
98-82-8	Isopropylbenzene	49500	2200	480	ug/kg	
99-87-6	p-Isopropyltoluene	ND	2200	480	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	11000	2800	ug/kg	
126-98-7	Methacrylonitrile	ND	11000	2400	ug/kg	
74-83-9	Methyl bromide	ND	2200	970	ug/kg	
74-87-3	Methyl chloride	ND	2200	1100	ug/kg	
74-88-4	Methyl iodide	ND	4400	880	ug/kg	
80-62-6	Methyl methacrylate	ND	11000	2200	ug/kg	
74-95-3	Methylene bromide	ND	2200	660	ug/kg	
75-09-2	Methylene chloride [b]	2580	4400	2200	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	11000	3700	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2200	660	ug/kg	
91-20-3	Naphthalene	ND	2200	880	ug/kg	
76-01-7	Pentachloroethane	ND	11000	2200	ug/kg	
107-12-0	Propionitrile	ND	22000	5300	ug/kg	
103-65-1	n-Propylbenzene	2930	2200	530	ug/kg	
100-42-5	Styrene	ND	2200	440	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2200	440	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2200	480	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2200	790	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2200	440	ug/kg	
87-61-6	1,2,3-Trichlorobenzene [a]	ND	2200	880	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	2200	840	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	2200	880	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB14-28		
Lab Sample ID:	F61736-2	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	71.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	16900	2200	440	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	1750	2200	440	ug/kg	J
127-18-4	Tetrachloroethylene	ND	2200	530	ug/kg	
108-88-3	Toluene	ND	2200	440	ug/kg	
79-01-6	Trichloroethylene	ND	2200	530	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2200	880	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	11000	2200	ug/kg	
75-01-4	Vinyl chloride	ND	2200	880	ug/kg	
108-05-4	Vinyl Acetate	ND	11000	5300	ug/kg	
	m,p-Xylene	2490	4400	840	ug/kg	J
95-47-6	o-Xylene	ND	2200	440	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-121%
2037-26-5	Toluene-D8	92%		71-130%
460-00-4	4-Bromofluorobenzene	97%		59-148%
17060-07-0	1,2-Dichloroethane-D4	113%		77-123%

(a) CCV outside of control limits; results may be biased low.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB14-28		
Lab Sample ID:	F61736-2	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	71.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086252.D	1	12/05/08	JG	11/22/08 10:59	n/a	GCD3629
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.08 g	5.0 ml	2.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1800	440	220	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	100%		56-136%
98-08-8	aaa-Trifluorotoluene	101%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB14-28		
Lab Sample ID:	F61736-2	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	71.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10397.D	1	12/05/08	NY	11/25/08	OP27263	GYY372
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22) [a]	8.24	11	6.8	mg/kg	J
	TPH (> C22-C36)	8.18	11	6.8	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	83%		49-108%

(a) Petroleum hydrocarbon pattern begins before C10.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB14-40		
Lab Sample ID:	F61736-3	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	72.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054600.D	1	12/04/08	MM	11/22/08 10:59	n/a	VG2064
Run #2							

	Initial Weight
Run #1	5.94 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	58	29	ug/kg	
75-05-8	Acetonitrile	ND	58	19	ug/kg	
107-02-8	Acrolein	ND	29	11	ug/kg	
107-13-1	Acrylonitrile	ND	29	8.0	ug/kg	
107-05-1	Allyl chloride	ND	29	5.8	ug/kg	
71-43-2	Benzene	208	5.8	1.2	ug/kg	
100-44-7	Benzyl Chloride	ND	5.8	1.3	ug/kg	
108-86-1	Bromobenzene	ND	5.8	1.2	ug/kg	
74-97-5	Bromochloromethane	ND	5.8	2.0	ug/kg	
75-27-4	Bromodichloromethane	ND	5.8	1.4	ug/kg	
75-25-2	Bromoform	ND	5.8	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	5.8	1.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.8	1.3	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.8	1.3	ug/kg	
108-90-7	Chlorobenzene	ND	5.8	1.2	ug/kg	
75-00-3	Chloroethane	ND	5.8	2.3	ug/kg	
67-66-3	Chloroform	ND	5.8	2.0	ug/kg	
544-10-5	1-Chlorohexane	ND	5.8	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.8	1.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.8	1.2	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	29	12	ug/kg	
75-15-0	Carbon disulfide	ND	5.8	1.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.8	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.8	2.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.8	1.5	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.8	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.8	2.8	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.8	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.8	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.8	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.8	1.2	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.8	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB14-40		
Lab Sample ID:	F61736-3	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	72.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.8	1.2	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.8	2.3	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.8	1.9	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.8	1.5	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	29	5.8	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.8	1.2	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.8	1.2	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.8	1.2	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.8	1.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.8	1.2	ug/kg	
100-41-4	Ethylbenzene	ND	5.8	1.2	ug/kg	
97-63-2	Ethyl methacrylate	ND	29	5.8	ug/kg	
76-13-1	Freon 113 [a]	ND	5.8	3.0	ug/kg	
591-78-6	2-Hexanone	ND	29	5.8	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.8	1.4	ug/kg	
110-54-3	Hexane	ND	5.8	2.8	ug/kg	
98-82-8	Isopropylbenzene	98.9	5.8	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.8	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	29	7.4	ug/kg	
126-98-7	Methacrylonitrile	ND	29	6.4	ug/kg	
74-83-9	Methyl bromide	ND	5.8	2.5	ug/kg	
74-87-3	Methyl chloride	ND	5.8	2.8	ug/kg	
74-88-4	Methyl iodide	ND	12	2.3	ug/kg	
80-62-6	Methyl methacrylate	ND	29	5.8	ug/kg	
74-95-3	Methylene bromide	ND	5.8	1.7	ug/kg	
75-09-2	Methylene chloride [b]	50.0	12	5.8	ug/kg	
78-93-3	Methyl ethyl ketone	ND	29	9.6	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.8	1.7	ug/kg	
91-20-3	Naphthalene	ND	5.8	2.3	ug/kg	
76-01-7	Pentachloroethane	ND	29	5.8	ug/kg	
107-12-0	Propionitrile	ND	58	14	ug/kg	
103-65-1	n-Propylbenzene	3.3	5.8	1.4	ug/kg	J
100-42-5	Styrene	ND	5.8	1.2	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.8	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.8	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.8	2.1	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.8	1.2	ug/kg	
87-61-6	1,2,3-Trichlorobenzene [a]	ND	5.8	2.3	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.8	2.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.8	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB14-40		
Lab Sample ID:	F61736-3	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	72.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.8	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.8	1.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.8	1.4	ug/kg	
108-88-3	Toluene	ND	5.8	1.2	ug/kg	
79-01-6	Trichloroethylene	ND	5.8	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.8	2.3	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	29	5.8	ug/kg	
75-01-4	Vinyl chloride	ND	5.8	2.3	ug/kg	
108-05-4	Vinyl Acetate	ND	29	14	ug/kg	
	m,p-Xylene	ND	12	2.2	ug/kg	
95-47-6	o-Xylene	ND	5.8	1.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-121%
2037-26-5	Toluene-D8	90%		71-130%
460-00-4	4-Bromofluorobenzene	96%		59-148%
17060-07-0	1,2-Dichloroethane-D4	109%		77-123%

(a) CCV outside of control limits; results may be biased low.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB14-40		
Lab Sample ID:	F61736-3	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	72.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086224.D	1	12/04/08	JG	11/22/08 10:59	n/a	GCD3628
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.28 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	4.50	8.4	4.2	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	86%		56-136%
98-08-8	aaa-Trifluorotoluene	80%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB14-40		
Lab Sample ID:	F61736-3	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	72.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10384.D	1	12/05/08	NY	11/25/08	OP27263	GYY372
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	11	6.8	mg/kg	
	TPH (> C22-C36)	ND	11	6.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	77%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB15-22		
Lab Sample ID:	F61736-4	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	77.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054601.D	1	12/04/08	MM	11/22/08 10:59	n/a	VG2064
Run #2							

	Initial Weight
Run #1	6.04 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	53	27	ug/kg	
75-05-8	Acetonitrile	ND	53	17	ug/kg	
107-02-8	Acrolein	ND	27	10	ug/kg	
107-13-1	Acrylonitrile	ND	27	7.3	ug/kg	
107-05-1	Allyl chloride	ND	27	5.3	ug/kg	
71-43-2	Benzene	ND	5.3	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.3	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.3	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.3	1.8	ug/kg	
75-27-4	Bromodichloromethane	ND	5.3	1.3	ug/kg	
75-25-2	Bromoform	ND	5.3	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	5.3	1.5	ug/kg	
135-98-8	sec-Butylbenzene	1.4	5.3	1.2	ug/kg	J
98-06-6	tert-Butylbenzene	ND	5.3	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.3	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.3	2.1	ug/kg	
67-66-3	Chloroform	ND	5.3	1.8	ug/kg	
544-10-5	1-Chlorohexane	ND	5.3	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.3	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.3	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	27	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.3	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.3	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.3	2.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.3	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.3	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.3	2.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.3	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.3	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.3	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.3	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.3	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB15-22		
Lab Sample ID:	F61736-4	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	77.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.3	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.3	2.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.3	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.3	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	27	5.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.3	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.3	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.3	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.3	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.3	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.3	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	27	5.3	ug/kg	
76-13-1	Freon 113 [a]	ND	5.3	2.8	ug/kg	
591-78-6	2-Hexanone	ND	27	5.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.3	1.3	ug/kg	
110-54-3	Hexane	ND	5.3	2.6	ug/kg	
98-82-8	Isopropylbenzene	37.0	5.3	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.3	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	27	6.8	ug/kg	
126-98-7	Methacrylonitrile	ND	27	5.9	ug/kg	
74-83-9	Methyl bromide	ND	5.3	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.3	2.6	ug/kg	
74-88-4	Methyl iodide	ND	11	2.1	ug/kg	
80-62-6	Methyl methacrylate	ND	27	5.3	ug/kg	
74-95-3	Methylene bromide	ND	5.3	1.6	ug/kg	
75-09-2	Methylene chloride [b]	29.8	11	5.3	ug/kg	
78-93-3	Methyl ethyl ketone	ND	27	8.8	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.3	1.6	ug/kg	
91-20-3	Naphthalene	ND	5.3	2.1	ug/kg	
76-01-7	Pentachloroethane	ND	27	5.3	ug/kg	
107-12-0	Propionitrile	ND	53	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.3	1.3	ug/kg	
100-42-5	Styrene	ND	5.3	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.3	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.3	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.3	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.3	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene [a]	ND	5.3	2.1	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.3	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.3	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB15-22		
Lab Sample ID:	F61736-4	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	77.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.3	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.3	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.3	1.3	ug/kg	
108-88-3	Toluene	ND	5.3	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.3	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.3	2.1	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	27	5.3	ug/kg	
75-01-4	Vinyl chloride	ND	5.3	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	27	13	ug/kg	
	m,p-Xylene	ND	11	2.0	ug/kg	
95-47-6	o-Xylene	ND	5.3	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-121%
2037-26-5	Toluene-D8	87%		71-130%
460-00-4	4-Bromofluorobenzene	96%		59-148%
17060-07-0	1,2-Dichloroethane-D4	120%		77-123%

(a) CCV outside of control limits; results may be biased low.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB15-22		
Lab Sample ID:	F61736-4	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	77.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086225.D	1	12/04/08	JG	11/22/08 10:59	n/a	GCD3628
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.07 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.7	3.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	85%		56-136%
98-08-8	aaa-Trifluorotoluene	86%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB15-22		
Lab Sample ID:	F61736-4	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	77.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10387.D	1	12/05/08	NY	11/25/08	OP27263	GYY372
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	11	6.4	mg/kg	
	TPH (> C22-C36)	ND	11	6.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	79%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB15-25		
Lab Sample ID:	F61736-5	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	71.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054602.D	1	12/04/08	MM	11/22/08 10:59	n/a	VG2064
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.58 g	5.0 ml	50.0 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	8200	4100	ug/kg	
75-05-8	Acetonitrile	ND	8200	2600	ug/kg	
107-02-8	Acrolein	ND	4100	1600	ug/kg	
107-13-1	Acrylonitrile	ND	4100	1100	ug/kg	
107-05-1	Allyl chloride	ND	4100	820	ug/kg	
71-43-2	Benzene	455	820	160	ug/kg	J
100-44-7	Benzyl Chloride	ND	820	180	ug/kg	
108-86-1	Bromobenzene	ND	820	160	ug/kg	
74-97-5	Bromochloromethane	ND	820	280	ug/kg	
75-27-4	Bromodichloromethane	ND	820	200	ug/kg	
75-25-2	Bromoform	ND	820	250	ug/kg	
104-51-8	n-Butylbenzene	ND	820	230	ug/kg	
135-98-8	sec-Butylbenzene	758	820	180	ug/kg	J
98-06-6	tert-Butylbenzene	278	820	180	ug/kg	J
108-90-7	Chlorobenzene	ND	820	160	ug/kg	
75-00-3	Chloroethane	ND	820	330	ug/kg	
67-66-3	Chloroform	ND	820	280	ug/kg	
544-10-5	1-Chlorohexane	ND	820	210	ug/kg	
95-49-8	o-Chlorotoluene	ND	820	160	ug/kg	
106-43-4	p-Chlorotoluene	ND	820	160	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	4100	1600	ug/kg	
75-15-0	Carbon disulfide	ND	820	180	ug/kg	
56-23-5	Carbon tetrachloride	ND	820	230	ug/kg	
75-34-3	1,1-Dichloroethane	ND	820	330	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	820	210	ug/kg	
563-58-6	1,1-Dichloropropene	ND	820	230	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	820	390	ug/kg	
106-93-4	1,2-Dibromoethane	ND	820	160	ug/kg	
107-06-2	1,2-Dichloroethane	ND	820	180	ug/kg	
78-87-5	1,2-Dichloropropane	ND	820	230	ug/kg	
142-28-9	1,3-Dichloropropane	ND	820	160	ug/kg	
594-20-7	2,2-Dichloropropane	ND	820	340	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB15-25		
Lab Sample ID:	F61736-5	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	71.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	820	160	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	820	330	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	820	260	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	820	210	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	4100	820	ug/kg	
541-73-1	m-Dichlorobenzene	ND	820	160	ug/kg	
95-50-1	o-Dichlorobenzene	ND	820	160	ug/kg	
106-46-7	p-Dichlorobenzene	ND	820	160	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	820	200	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	820	160	ug/kg	
100-41-4	Ethylbenzene	ND	820	160	ug/kg	
97-63-2	Ethyl methacrylate	ND	4100	820	ug/kg	
76-13-1	Freon 113 [a]	ND	820	430	ug/kg	
591-78-6	2-Hexanone	ND	4100	820	ug/kg	
87-68-3	Hexachlorobutadiene	ND	820	200	ug/kg	
110-54-3	Hexane	ND	820	390	ug/kg	
98-82-8	Isopropylbenzene	24700	820	180	ug/kg	
99-87-6	p-Isopropyltoluene	ND	820	180	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	4100	1000	ug/kg	
126-98-7	Methacrylonitrile	ND	4100	900	ug/kg	
74-83-9	Methyl bromide	ND	820	360	ug/kg	
74-87-3	Methyl chloride	ND	820	390	ug/kg	
74-88-4	Methyl iodide	ND	1600	330	ug/kg	
80-62-6	Methyl methacrylate	ND	4100	820	ug/kg	
74-95-3	Methylene bromide	ND	820	250	ug/kg	
75-09-2	Methylene chloride [b]	857	1600	820	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	4100	1400	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	820	250	ug/kg	
91-20-3	Naphthalene	ND	820	330	ug/kg	
76-01-7	Pentachloroethane	ND	4100	820	ug/kg	
107-12-0	Propionitrile	ND	8200	2000	ug/kg	
103-65-1	n-Propylbenzene	942	820	200	ug/kg	
100-42-5	Styrene	ND	820	160	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	820	160	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	820	180	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	820	290	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	820	160	ug/kg	
87-61-6	1,2,3-Trichlorobenzene [a]	ND	820	330	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	820	310	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	820	330	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB15-25		
Lab Sample ID:	F61736-5	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	71.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	658	820	160	ug/kg	J
108-67-8	1,3,5-Trimethylbenzene	ND	820	160	ug/kg	
127-18-4	Tetrachloroethylene	ND	820	200	ug/kg	
108-88-3	Toluene	ND	820	160	ug/kg	
79-01-6	Trichloroethylene	ND	820	200	ug/kg	
75-69-4	Trichlorofluoromethane	ND	820	330	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	4100	820	ug/kg	
75-01-4	Vinyl chloride	ND	820	330	ug/kg	
108-05-4	Vinyl Acetate	ND	4100	2000	ug/kg	
	m,p-Xylene	ND	1600	310	ug/kg	
95-47-6	o-Xylene	ND	820	160	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-121%
2037-26-5	Toluene-D8	88%		71-130%
460-00-4	4-Bromofluorobenzene	97%		59-148%
17060-07-0	1,2-Dichloroethane-D4	109%		77-123%

(a) CCV outside of control limits; results may be biased low.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB15-25		
Lab Sample ID:	F61736-5	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	71.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086253.D	1	12/05/08	JG	11/22/08 10:59	n/a	GCD3629
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.58 g	5.0 ml	10.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	376	82	41	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%		56-136%
98-08-8	aaa-Trifluorotoluene	107%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB15-25		
Lab Sample ID:	F61736-5	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	71.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10388.D	1	12/05/08	NY	11/25/08	OP27263	GYY372
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	11	6.9	mg/kg	
	TPH (> C22-C36)	ND	11	6.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	83%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB15-33		
Lab Sample ID:	F61736-6	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	76.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054603.D	1	12/04/08	MM	11/22/08 10:59	n/a	VG2064
Run #2							

	Initial Weight
Run #1	6.09 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	53	27	ug/kg	
75-05-8	Acetonitrile	ND	53	17	ug/kg	
107-02-8	Acrolein	ND	27	10	ug/kg	
107-13-1	Acrylonitrile	ND	27	7.4	ug/kg	
107-05-1	Allyl chloride	ND	27	5.3	ug/kg	
71-43-2	Benzene	74.5	5.3	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.3	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.3	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.3	1.8	ug/kg	
75-27-4	Bromodichloromethane	ND	5.3	1.3	ug/kg	
75-25-2	Bromoform	ND	5.3	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	5.3	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.3	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.3	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.3	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.3	2.1	ug/kg	
67-66-3	Chloroform	ND	5.3	1.8	ug/kg	
544-10-5	1-Chlorohexane	ND	5.3	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.3	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.3	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	27	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.3	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.3	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.3	2.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.3	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.3	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.3	2.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.3	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	4.8	5.3	1.2	ug/kg	J
78-87-5	1,2-Dichloropropane	ND	5.3	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.3	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.3	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB15-33		
Lab Sample ID:	F61736-6	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	76.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.3	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.3	2.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.3	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.3	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	27	5.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.3	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.3	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.3	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.3	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.3	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.3	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	27	5.3	ug/kg	
76-13-1	Freon 113 [a]	ND	5.3	2.8	ug/kg	
591-78-6	2-Hexanone	ND	27	5.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.3	1.3	ug/kg	
110-54-3	Hexane	ND	5.3	2.6	ug/kg	
98-82-8	Isopropylbenzene	25.8	5.3	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.3	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	27	6.8	ug/kg	
126-98-7	Methacrylonitrile	ND	27	5.9	ug/kg	
74-83-9	Methyl bromide	ND	5.3	2.4	ug/kg	
74-87-3	Methyl chloride	ND	5.3	2.6	ug/kg	
74-88-4	Methyl iodide	ND	11	2.1	ug/kg	
80-62-6	Methyl methacrylate	ND	27	5.3	ug/kg	
74-95-3	Methylene bromide	ND	5.3	1.6	ug/kg	
75-09-2	Methylene chloride [b]	16.1	11	5.3	ug/kg	
78-93-3	Methyl ethyl ketone	ND	27	8.9	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.3	1.6	ug/kg	
91-20-3	Naphthalene	ND	5.3	2.1	ug/kg	
76-01-7	Pentachloroethane	ND	27	5.3	ug/kg	
107-12-0	Propionitrile	ND	53	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.3	1.3	ug/kg	
100-42-5	Styrene	ND	5.3	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.3	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.3	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.3	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.3	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene [a]	ND	5.3	2.1	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.3	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.3	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB15-33		
Lab Sample ID:	F61736-6	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	76.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	2.7	5.3	1.1	ug/kg	J
108-67-8	1,3,5-Trimethylbenzene	1.2	5.3	1.1	ug/kg	J
127-18-4	Tetrachloroethylene	ND	5.3	1.3	ug/kg	
108-88-3	Toluene	ND	5.3	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.3	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.3	2.1	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	27	5.3	ug/kg	
75-01-4	Vinyl chloride	ND	5.3	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	27	13	ug/kg	
	m,p-Xylene	ND	11	2.0	ug/kg	
95-47-6	o-Xylene	ND	5.3	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-121%
2037-26-5	Toluene-D8	89%		71-130%
460-00-4	4-Bromofluorobenzene	98%		59-148%
17060-07-0	1,2-Dichloroethane-D4	108%		77-123%

(a) CCV outside of control limits; results may be biased low.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB15-33		
Lab Sample ID:	F61736-6	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	76.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086227.D	1	12/04/08	JG	11/22/08 10:59	n/a	GCD3628
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.82 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.1	3.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	86%		56-136%
98-08-8	aaa-Trifluorotoluene	84%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB15-33		
Lab Sample ID:	F61736-6	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	76.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10389.D	1	12/05/08	NY	11/25/08	OP27263	GYY372
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	11	6.5	mg/kg	
	TPH (> C22-C36)	ND	11	6.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	91%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61736-7	**Date Sampled:**	11/21/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/22/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054604.D	1	12/04/08	MM	n/a	n/a	VG2064
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61736-7	**Date Sampled:**	11/21/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/22/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113 [a]	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride [b]	6.8	10	5.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene [a]	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61736-7	**Date Sampled:**	11/21/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/22/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		80-121%
2037-26-5	Toluene-D8	88%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	112%		77-123%

(a) CCV outside of control limits; results may be biased low.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

F61736

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

Page 1 of 1

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number (1): 11-21-2008-3

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Zack Beck / Dusty McNeil / Greg Kinsman

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code (2)	Sample Number (3)	Sample Matrix (4)	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)					Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
1	SS61-SB14-20	SS61-SB14	21-Nov-2008	0815	18 - 20	N	01	SO	5	X	X	X									3
2	SS61-SB14-28	SS61-SB14	21-Nov-2008	0830	26 - 28	N	01	SO	5	X	X	X									3
3	SS61-SB14-40	SS61-SB14	21-Nov-2008	0840	38 - 40	N	01	SO	5	X	X	X									3
4	SS61-SB15-22	SS61-SB15	21-Nov-2008	1030	20 - 22	N	01	SO	5	X	X	X									3
5	SS61-SB15-25	SS61-SB15	21 Nov 2008	1040	23 - 25	N	01	SO	5	X	X	X									3
6	SS61-SB15-33	SS61-SB15	21 Nov 2008	1050	31 - 33	N	01	SO	5	X	X	X									3
7	Trip Blank				-	TB		WQ	3	X											3
					-																
					-																
					-																
					-																

Sample Analysis Requested (5) | Quality Assurance Samples (6)

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

Custody Transfers Prior to Receipt by Laboratory

Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1. M. Olive	11/21/08		1.		
2.			2.	11-22-08	0910
3.			3.		

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: _____ Shipped No.: _____

Method of Shipment: _____ Airbill Number: _____

Analytical Lab: Accutest Laboratories Delivery Location: _____

Lab Recipient: _____ Delivery Date/Time: _____

2-0

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 1010991 in the Equipment Blank Lot Control

4.1 4

F61736: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61736 CLIENT: Blake PROJECT: SS-61

DATE/TIME RECEIVED: 11.22.08 09:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.0

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8651 5824 0441

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [X] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 24

NUMBER OF 5035 FIELD KITS ? 18

NUMBER OF LAB FILTERED METALS ? 8

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE E.T. 11.22.08 TECHNICIAN SIGNATURE/DATE 11/22/08 ASBD 12/17/07

F61736: Chain of Custody

Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61736
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2064-MB	G0054581.D	1	12/04/08	MM	n/a	n/a	VG2064

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61736-1, F61736-2, F61736-3, F61736-4, F61736-5, F61736-6, F61736-7

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61736
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2064-MB	G0054581.D	1	12/04/08	MM	n/a	n/a	VG2064

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61736-1, F61736-2, F61736-3, F61736-4, F61736-5, F61736-6, F61736-7

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F61736
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2064-MB	G0054581.D	1	12/04/08	MM	n/a	n/a	VG2064

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61736-1, F61736-2, F61736-3, F61736-4, F61736-5, F61736-6, F61736-7

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	80-121%
2037-26-5	Toluene-D8	87%	71-130%
460-00-4	4-Bromofluorobenzene	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	113%	77-123%

Blank Spike Summary

Job Number: F61736
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2064-BS	G0054580.D	1	12/04/08	MM	n/a	n/a	VG2064

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61736-1, F61736-2, F61736-3, F61736-4, F61736-5, F61736-6, F61736-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	183	73	61-144
75-05-8	Acetonitrile	500	1190	238*	59-139
107-02-8	Acrolein	250	31.2	12*	27-156
107-13-1	Acrylonitrile	250	258	103	55-144
107-05-1	Allyl chloride	50	55.7	111	41-152
71-43-2	Benzene	50	54.8	110	78-130
100-44-7	Benzyl Chloride	50	47.0	94	74-130
108-86-1	Bromobenzene	50	55.4	111	78-123
74-97-5	Bromochloromethane	50	47.9	96	72-122
75-27-4	Bromodichloromethane	50	54.2	108	73-122
75-25-2	Bromoform	50	52.7	105	70-139
104-51-8	n-Butylbenzene	50	57.9	116	80-138
135-98-8	sec-Butylbenzene	50	59.7	119	82-132
98-06-6	tert-Butylbenzene	50	57.1	114	79-130
108-90-7	Chlorobenzene	50	55.4	111	83-122
75-00-3	Chloroethane	50	39.6	79	61-153
67-66-3	Chloroform	50	56.9	114	79-129
544-10-5	1-Chlorohexane	50	51.6	103	85-137
95-49-8	o-Chlorotoluene	50	56.8	114	77-123
106-43-4	p-Chlorotoluene	50	57.5	115	78-129
110-75-8	2-Chloroethyl vinyl ether	250	317	127	52-142
75-15-0	Carbon disulfide	50	46.0	92	61-142
56-23-5	Carbon tetrachloride	50	53.3	107	79-135
75-34-3	1,1-Dichloroethane	50	54.8	110	77-132
75-35-4	1,1-Dichloroethylene	50	48.3	97	66-132
563-58-6	1,1-Dichloropropene	50	54.7	109	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	49.6	99	67-129
106-93-4	1,2-Dibromoethane	50	47.9	96	77-126
107-06-2	1,2-Dichloroethane	50	49.5	99	78-129
78-87-5	1,2-Dichloropropane	50	53.0	106	74-127
142-28-9	1,3-Dichloropropane	50	50.4	101	78-118
594-20-7	2,2-Dichloropropane	50	55.3	111	80-137
124-48-1	Dibromochloromethane	50	52.6	105	78-117
75-71-8	Dichlorodifluoromethane	50	30.2	60	35-162
156-59-2	cis-1,2-Dichloroethylene	50	52.8	106	74-123
10061-01-5	cis-1,3-Dichloropropene	50	56.6	113	79-130

Blank Spike Summary

Job Number: F61736
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2064-BS	G0054580.D	1	12/04/08	MM	n/a	n/a	VG2064

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61736-1, F61736-2, F61736-3, F61736-4, F61736-5, F61736-6, F61736-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	45.6	91	71-126
541-73-1	m-Dichlorobenzene	50	57.9	116	82-126
95-50-1	o-Dichlorobenzene	50	56.7	113	83-123
106-46-7	p-Dichlorobenzene	50	56.5	113	84-124
156-60-5	trans-1,2-Dichloroethylene	50	53.0	106	77-129
10061-02-6	trans-1,3-Dichloropropene	50	57.8	116	87-131
100-41-4	Ethylbenzene	50	55.0	110	82-124
97-63-2	Ethyl methacrylate	50	45.3	91	78-118
76-13-1	Freon 113	50	24.2	48*	62-147
591-78-6	2-Hexanone	250	230	92	67-130
87-68-3	Hexachlorobutadiene	50	58.3	117	77-150
110-54-3	Hexane	50	59.5	119	65-147
98-82-8	Isopropylbenzene	50	62.0	124	82-133
99-87-6	p-Isopropyltoluene	50	59.7	119	82-132
108-10-1	4-Methyl-2-pentanone	250	231	92	69-125
126-98-7	Methacrylonitrile	500	454	91	70-138
74-83-9	Methyl bromide	50	47.0	94	60-146
74-87-3	Methyl chloride	50	43.9	88	58-163
74-88-4	Methyl iodide	50	47.0	94	66-128
80-62-6	Methyl methacrylate	50	44.4	89	73-125
74-95-3	Methylene bromide	50	52.0	104	75-128
75-09-2	Methylene chloride	50	55.0	110	62-140
78-93-3	Methyl ethyl ketone	250	212	85	66-134
1634-04-4	Methyl Tert Butyl Ether	50	46.0	92	70-131
91-20-3	Naphthalene	50	35.3	71	59-143
76-01-7	Pentachloroethane	50	55.6	111	64-156
107-12-0	Propionitrile	500	446	89	73-133
103-65-1	n-Propylbenzene	50	56.9	114	78-129
100-42-5	Styrene	50	52.8	106	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	55.2	110	81-121
71-55-6	1,1,1-Trichloroethane	50	55.4	111	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	50.4	101	70-128
79-00-5	1,1,2-Trichloroethane	50	50.0	100	76-118
87-61-6	1,2,3-Trichlorobenzene	50	25.0	50*	78-136
96-18-4	1,2,3-Trichloropropane	50	47.0	94	74-125
120-82-1	1,2,4-Trichlorobenzene	50	45.8	92	82-137

Blank Spike Summary

Job Number: F61736
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2064-BS	G0054580.D	1	12/04/08	MM	n/a	n/a	VG2064

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61736-1, F61736-2, F61736-3, F61736-4, F61736-5, F61736-6, F61736-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	57.1	114	77-129
108-67-8	1,3,5-Trimethylbenzene	50	58.5	117	79-129
127-18-4	Tetrachloroethylene	50	54.1	108	79-132
108-88-3	Toluene	50	52.9	106	80-123
79-01-6	Trichloroethylene	50	54.3	109	78-132
75-69-4	Trichlorofluoromethane	50	40.9	82	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	96.7	193*	74-138
75-01-4	Vinyl chloride	50	36.4	73	60-145
108-05-4	Vinyl Acetate	250	382	153	25-164
	m,p-Xylene	100	116	116	82-128
95-47-6	o-Xylene	50	58.6	117	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	80-121%
2037-26-5	Toluene-D8	96%	71-130%
460-00-4	4-Bromofluorobenzene	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	101%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61736
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61771-4MS	G0054585.D	1	12/04/08	MM	n/a	n/a	VG2064
F61771-4MSD	G0054586.D	1	12/04/08	MM	n/a	n/a	VG2064
F61771-4	G0054584.D	1	12/04/08	MM	n/a	n/a	VG2064

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61736-1, F61736-2, F61736-3, F61736-4, F61736-5, F61736-6, F61736-7

CAS No.	Compound	F61771-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		297	206	69	185	62	11	61-144/29
75-05-8	Acetonitrile	ND		594	1420	239*	1380	232*	3	59-139/30
107-02-8	Acrolein	ND		297	18.4	6*	21.6	7*	16	27-156/39
107-13-1	Acrylonitrile	ND		297	359	121	357	120	1	55-144/24
107-05-1	Allyl chloride	ND		59.4	54.7	92	59.0	99	8	41-152/24
71-43-2	Benzene	54.5		59.4	56.4	3*	58.9	7*	4	78-130/25
100-44-7	Benzyl Chloride	ND		59.4	52.2	88	49.3	83	6	74-130/28
108-86-1	Bromobenzene	ND		59.4	58.0	98	62.3	105	7	78-123/30
74-97-5	Bromochloromethane	ND		59.4	53.6	90	52.6	89	2	72-122/23
75-27-4	Bromodichloromethane	ND		59.4	59.4	100	60.4	102	2	73-122/25
75-25-2	Bromoform	ND		59.4	63.2	106	65.4	110	3	70-139/26
104-51-8	n-Butylbenzene	ND		59.4	58.5	98	61.2	103	5	80-138/31
135-98-8	sec-Butylbenzene	ND		59.4	58.1	98	61.5	103	6	82-132/29
98-06-6	tert-Butylbenzene	ND		59.4	57.0	96	61.5	103	8	79-130/29
108-90-7	Chlorobenzene	ND		59.4	55.6	94	58.4	98	5	83-122/23
75-00-3	Chloroethane	ND		59.4	40.8	69	41.3	69	1	61-153/31
67-66-3	Chloroform	ND		59.4	58.1	98	59.8	101	3	79-129/27
544-10-5	1-Chlorohexane	ND		59.4	47.7	80*	51.6	87	8	85-137/29
95-49-8	o-Chlorotoluene	ND		59.4	57.4	97	61.1	103	6	77-123/31
106-43-4	p-Chlorotoluene	ND		59.4	59.4	100	61.2	103	3	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		297	419	141	407	137	3	52-142/25
75-15-0	Carbon disulfide	ND		59.4	47.0	79	49.9	84	6	61-142/27
56-23-5	Carbon tetrachloride	ND		59.4	52.0	87	65.0	109	22	79-135/29
75-34-3	1,1-Dichloroethane	ND		59.4	54.5	92	57.2	96	5	77-132/26
75-35-4	1,1-Dichloroethylene	ND		59.4	49.6	83	51.0	86	3	66-132/27
563-58-6	1,1-Dichloropropene	ND		59.4	53.8	91	55.2	93	3	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		59.4	68.4	115	68.8	116	1	67-129/29
106-93-4	1,2-Dibromoethane	ND		59.4	57.1	96	58.3	98	2	77-126/24
107-06-2	1,2-Dichloroethane	ND		59.4	57.2	96	57.2	96	0	78-129/24
78-87-5	1,2-Dichloropropane	ND		59.4	59.5	100	58.9	99	1	74-127/27
142-28-9	1,3-Dichloropropane	ND		59.4	57.9	97	58.4	98	1	78-118/26
594-20-7	2,2-Dichloropropane	ND		59.4	50.6	85	53.0	89	5	80-137/28
124-48-1	Dibromochloromethane	ND		59.4	58.6	99	60.0	101	2	78-117/27
75-71-8	Dichlorodifluoromethane	ND		59.4	27.7	47	30.1	51	8	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		59.4	53.6	90	52.2	88	3	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		59.4	62.4	105	62.1	104	0	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61736
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61771-4MS	G0054585.D	1	12/04/08	MM	n/a	n/a	VG2064
F61771-4MSD	G0054586.D	1	12/04/08	MM	n/a	n/a	VG2064
F61771-4	G0054584.D	1	12/04/08	MM	n/a	n/a	VG2064

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61736-1, F61736-2, F61736-3, F61736-4, F61736-5, F61736-6, F61736-7

CAS No.	Compound	F61771-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		59.4	61.9	104	62.7	106	1	71-126/28
541-73-1	m-Dichlorobenzene	ND		59.4	59.0	99	62.7	106	6	82-126/29
95-50-1	o-Dichlorobenzene	ND		59.4	61.8	104	64.0	108	3	83-123/28
106-46-7	p-Dichlorobenzene	ND		59.4	59.7	100	62.5	105	5	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		59.4	53.1	89	54.6	92	3	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		59.4	61.8	104	64.8	109	5	87-131/27
100-41-4	Ethylbenzene	ND		59.4	54.0	91	57.1	96	6	82-124/25
97-63-2	Ethyl methacrylate	ND		59.4	34.5	58*	36.5	61*	6	78-118/30
76-13-1	Freon 113	ND		59.4	40.8	69	35.3	59*	14	62-147/29
591-78-6	2-Hexanone	ND		297	270	91	272	92	1	67-130/29
87-68-3	Hexachlorobutadiene	ND		59.4	55.0	93	57.1	96	4	77-150/36
110-54-3	Hexane	ND		59.4	56.2	95	55.7	94	1	65-147/27
98-82-8	Isopropylbenzene	11.6		59.4	59.0	80*	61.8	84	5	82-133/27
99-87-6	p-Isopropyltoluene	ND		59.4	59.1	99	62.3	105	5	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		297	304	102	304	102	0	69-125/24
126-98-7	Methacrylonitrile	ND		594	623	105	602	101	3	70-138/22
74-83-9	Methyl bromide	ND		59.4	47.2	79	48.7	82	3	60-146/31
74-87-3	Methyl chloride	ND		59.4	44.8	75	45.8	77	2	58-163/26
74-88-4	Methyl iodide	ND		59.4	47.0	79	48.8	82	4	66-128/27
80-62-6	Methyl methacrylate	ND		59.4	69.0	116	66.4	112	4	73-125/24
74-95-3	Methylene bromide	ND		59.4	63.7	107	60.8	102	5	75-128/26
75-09-2	Methylene chloride	ND		59.4	55.6	94	57.1	96	3	62-140/25
78-93-3	Methyl ethyl ketone	ND		297	253	85	237	80	7	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		59.4	59.1	99	57.3	96	3	70-131/25
91-20-3	Naphthalene	ND		59.4	44.2	74	38.8	65	13	59-143/31
76-01-7	Pentachloroethane	ND		59.4	57.0	96	58.7	99	3	64-156/37
107-12-0	Propionitrile	ND		594	619	104	594	100	4	73-133/23
103-65-1	n-Propylbenzene	ND		59.4	55.0	93	59.6	100	8	78-129/29
100-42-5	Styrene	ND		59.4	52.9	89	56.8	96	7	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		59.4	56.4	95	58.5	98	4	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		59.4	54.7	92	57.0	96	4	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		59.4	64.4	108	65.8	111	2	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		59.4	58.9	99	59.8	101	2	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		59.4	25.7	43*	21.2	36*	19	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		59.4	57.3	96	58.5	98	2	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		59.4	49.7	84	46.2	78*	7	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61736
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61771-4MS	G0054585.D	1	12/04/08	MM	n/a	n/a	VG2064
F61771-4MSD	G0054586.D	1	12/04/08	MM	n/a	n/a	VG2064
F61771-4	G0054584.D	1	12/04/08	MM	n/a	n/a	VG2064

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61736-1, F61736-2, F61736-3, F61736-4, F61736-5, F61736-6, F61736-7

CAS No.	Compound	F61771-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		59.4	57.9	97	61.5	103	6	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		59.4	57.8	97	62.4	105	8	79-129/31
127-18-4	Tetrachloroethylene	ND		59.4	54.0	91	58.9	99	9	79-132/27
108-88-3	Toluene	ND		59.4	52.0	87	54.8	92	5	80-123/26
79-01-6	Trichloroethylene	ND		59.4	54.9	92	55.0	93	0	78-132/28
75-69-4	Trichlorofluoromethane	ND		59.4	39.8	67	40.9	69	3	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		59.4	127	214*	121	204*	5	74-138/30
75-01-4	Vinyl chloride	ND		59.4	36.5	61	38.6	65	6	60-145/29
108-05-4	Vinyl Acetate	ND		297	180	61	176	59	2	25-164/35
	m,p-Xylene	ND		119	113	95	118	99	4	82-128/25
95-47-6	o-Xylene	ND		59.4	57.5	97	60.7	102	5	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61771-4	Limits
1868-53-7	Dibromofluoromethane	103%	100%	102%	80-121%
2037-26-5	Toluene-D8	93%	95%	91%	71-130%
460-00-4	4-Bromofluorobenzene	98%	99%	93%	59-148%
17060-07-0	1,2-Dichloroethane-D4	110%	103%	115%	77-123%

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61736
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3628-MB	CD086213.D	1	12/04/08	JG	n/a	n/a	GCD3628

The QC reported here applies to the following samples: **Method:** SW846 8015

F61736-1, F61736-3, F61736-4, F61736-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	84%	56-136%
98-08-8	aaa-Trifluorotoluene	85%	61-121%

Method Blank Summary

Job Number: F61736
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3629-MB	CD086241.D	1	12/05/08	JG	n/a	n/a	GCD3629

The QC reported here applies to the following samples: **Method:** SW846 8015

F61736-2, F61736-5

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	80%	56-136%
98-08-8	aaa-Trifluorotoluene	83%	61-121%

Blank Spike Summary

Job Number: F61736
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3628-BS	CD086212.D	1	12/04/08	JG	n/a	n/a	GCD3628

The QC reported here applies to the following samples: **Method:** SW846 8015

F61736-1, F61736-3, F61736-4, F61736-6

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	16.8	84	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	100%	56-136%
98-08-8	aaa-Trifluorotoluene	93%	61-121%

Blank Spike Summary

Job Number: F61736
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3629-BS	CD086245.D	1	12/05/08	JG	n/a	n/a	GCD3629

The QC reported here applies to the following samples: **Method:** SW846 8015

F61736-2, F61736-5

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	19.9	100	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	112%	56-136%
98-08-8	aaa-Trifluorotoluene	98%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61736
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61736-1MS	CD086220.D	1	12/04/08	JG	n/a	n/a	GCD3628
F61736-1MSD	CD086221.D	1	12/04/08	JG	n/a	n/a	GCD3628
F61736-1	CD086216.D	1	12/04/08	JG	n/a	n/a	GCD3628

The QC reported here applies to the following samples: **Method:** SW846 8015

F61736-1, F61736-3, F61736-4, F61736-6

CAS No.	Compound	F61736-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		27.2	24.1	88	22.9	84	5	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61736-1	Limits
460-00-4	4-Bromofluorobenzene	110%	111%	84%	56-136%
98-08-8	aaa-Trifluorotoluene	92%	91%	85%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61736
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61775-2MS	CD086243.D	1	12/05/08	JG	n/a	n/a	GCD3629
F61775-2MSD	CD086244.D	1	12/05/08	JG	n/a	n/a	GCD3629
F61775-2 [a]	CD086242.D	1	12/05/08	JG	n/a	n/a	GCD3629

The QC reported here applies to the following samples: **Method:** SW846 8015

F61736-2, F61736-5

CAS No.	Compound	F61775-2 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		22.7	18.5	82	18.4	81	1	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61775-2	Limits
460-00-4	4-Bromofluorobenzene	110%	112%	87%	56-136%
98-08-8	aaa-Trifluorotoluene	93%	91%	84%	61-121%

(a) En Core samples were not preserved within 48 hours.

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61736
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27263-MB	YY10362.D	1	12/05/08	NY	11/25/08	OP27263	GYY372

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61736-1, F61736-2, F61736-3, F61736-4, F61736-5, F61736-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	84%	49-108%

Blank Spike Summary

Job Number: F61736
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27263-BS	YY10361.D	1	12/05/08	NY	11/25/08	OP27263	GYY372

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61736-1, F61736-2, F61736-3, F61736-4, F61736-5, F61736-6

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	28.2	85	64-102
	TPH (> C22-C36)	33.3	33.5	101	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	82%	49-108%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61736
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27263-MS	YY10385.D	1	12/05/08	NY	11/25/08	OP27263	GYY372
OP27263-MSD	YY10386.D	1	12/05/08	NY	11/25/08	OP27263	GYY372
F61736-3	YY10384.D	1	12/05/08	NY	11/25/08	OP27263	GYY372

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61736-1, F61736-2, F61736-3, F61736-4, F61736-5, F61736-6

CAS No.	Compound	F61736-3 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		45.3	37.8	83	35.1	78	7	64-102/32
	TPH (> C22-C36)	ND		45.3	49.0	108	46.8	104	5	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F61736-3	Limits
84-15-1	o-Terphenyl	90%	84%	77%	49-108%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/15/08

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F61737

Sampling Date: 11/20/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **54**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Note: This report is password protected to disallow document modification or assembly.
A password to unlock this report is available from your client service representative.

Sections: 1 2 3 4 5 6 7

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F61737-1: SS61-SB13-20 7
3.2: F61737-2: SS61-SB13-29 12
3.3: F61737-3: SS61-SB13-29-a 17
3.4: F61737-4: SS61-SB13-35 22
3.5: F61737-5: TRIP BLANK 27
Section 4: Misc. Forms **30**
4.1: Chain of Custody 31
Section 5: GC/MS Volatiles - QC Data Summaries **33**
5.1: Method Blank Summary 34
5.2: Blank Spike Summary 37
5.3: Matrix Spike/Matrix Spike Duplicate Summary 40
Section 6: GC Volatiles - QC Data Summaries **43**
6.1: Method Blank Summary 44
6.2: Blank Spike Summary 46
6.3: Matrix Spike/Matrix Spike Duplicate Summary 48
Section 7: GC Semi-volatiles - QC Data Summaries **50**
7.1: Method Blank Summary 51
7.2: Blank Spike Summary 53
7.3: Matrix Spike/Matrix Spike Duplicate Summary 54

Sample Summary

North Wind, Inc

Job No: F61737

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F61737-1	11/20/08	15:10	ZBDM	11/22/08	SO	Soil	SS61-SB13-20
F61737-1D	11/20/08	15:10	ZBDM	11/22/08	SO	Soil Dup/MSD	SS61-SB13-20
F61737-1S	11/20/08	15:10	ZBDM	11/22/08	SO	Soil Matrix Spike	SS61-SB13-20
F61737-2	11/20/08	15:10	ZBDM	11/22/08	SO	Soil	SS61-SB13-29
F61737-3	11/20/08	15:10	ZBDM	11/22/08	SO	Soil	SS61-SB13-29-a
F61737-4	11/20/08	15:10	ZBDM	11/22/08	SO	Soil	SS61-SB13-35
F61737-5	11/20/08	00:00	ZBDM	11/22/08	SO	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F61737

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/15/2008 3:15:21

4 Samples, 1 Trip Blank were collected on 11/20/2008 and were received at Accutest on 11/22/2008 properly preserved, at 2.6 Deg. C and intact. These Samples received an Accutest job number of F61737. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2062

All samples were analyzed within the recommended method holding time.

Sample(s) F61737-1MS, F61737-1MSD were used as the QC samples indicated.

Sample(s) F61737-1, F61737-4, F61737-5 have compound(s) reported with a “B” qualifier, indicating analyte is found in the associated method blank.

Blank Spike Recovery(s) for Freon 113, Trans-1,4-Dichloro-2-Butene are outside control limits. Freon 113 passed in MS/MSD, SW-846 8000 requirements are met, TDB biased high in BS/MS/MSD, not detected in the samples.

Matrix Spike Recovery(s) for Acetone, Acrolein, Benzyl Chloride, Ethyl methacrylate are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for Acetone, Acrolein, Ethyl methacrylate, Methylene chloride are outside control limits. Probable cause due to matrix interference. For method performance in clean matrix refer to Blank Spike.

F61737-4 for Methylene chloride: Suspected laboratory contaminant.

F61737-1 for Methylene chloride: Suspected laboratory contaminant.

F61737-5 for Methylene chloride: Suspected laboratory contaminant.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GQR1955

All samples were analyzed within the recommended method holding time.

Sample(s) F61737-1MS, F61737-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Sample(s) F61737-2, F61737-3 have surrogates outside control limits. Probable cause due to matrix interference.

F61737-2: Confirmation run.

F61737-3: Confirmation run.

F61737-2 for aaa-Trifluorotoluene: Outside control limits due to matrix interference.

F61737-3 for 4-Bromofluorobenzene: Outside control limits due to matrix interference.

F61737-3 for aaa-Trifluorotoluene: Outside control limits due to matrix interference.

F61737-2 for 4-Bromofluorobenzene: Outside control limits due to matrix interference.

Matrix: SO **Batch ID:** GQR1958

Sample(s) F61771-4MS, F61771-4MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

The following samples were run outside of holding time for method SW846 8015: F61737-2, F61737-3 Sample re-analyzed beyond hold time; reported results are considered minimum values.

Sample(s) F61737-2, F61737-3 have surrogates outside control limits. Probable cause due to matrix interference.

F61737-2: Sample re-analyzed beyond hold time; reported results are considered minimum values.

F61737-3: Sample re-analyzed beyond hold time; reported results are considered minimum values.

Extractables by GC By Method SW846 8015 M

Matrix: SO **Batch ID:** OP27247

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F61737-1MS, F61737-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Wet Chemistry By Method SM19 2540B M

Matrix: SO **Batch ID:** GN32946

Sample(s) F61726-1DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: December 15, 2008

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-SB13-20		
Lab Sample ID:	F61737-1	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	78.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054528.D	1	12/02/08	MM	11/22/08 12:00	n/a	VG2062
Run #2							

	Initial Weight
Run #1	5.25 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	87.4	60	30	ug/kg	
75-05-8	Acetonitrile	ND	60	19	ug/kg	
107-02-8	Acrolein	ND	30	12	ug/kg	
107-13-1	Acrylonitrile	ND	30	8.3	ug/kg	
107-05-1	Allyl chloride	ND	30	6.0	ug/kg	
71-43-2	Benzene	ND	6.0	1.2	ug/kg	
100-44-7	Benzyl Chloride	ND	6.0	1.3	ug/kg	
108-86-1	Bromobenzene	ND	6.0	1.2	ug/kg	
74-97-5	Bromochloromethane	ND	6.0	2.1	ug/kg	
75-27-4	Bromodichloromethane	ND	6.0	1.4	ug/kg	
75-25-2	Bromoform	ND	6.0	1.8	ug/kg	
104-51-8	n-Butylbenzene	ND	6.0	1.7	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.0	1.3	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.0	1.3	ug/kg	
108-90-7	Chlorobenzene	ND	6.0	1.2	ug/kg	
75-00-3	Chloroethane	ND	6.0	2.4	ug/kg	
67-66-3	Chloroform	ND	6.0	2.1	ug/kg	
544-10-5	1-Chlorohexane	ND	6.0	1.6	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.0	1.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.0	1.2	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	30	12	ug/kg	
75-15-0	Carbon disulfide	ND	6.0	1.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.0	1.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.0	2.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.0	1.6	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.0	1.7	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.0	2.9	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.0	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.0	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.0	1.7	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.0	1.2	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.0	2.5	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB13-20		
Lab Sample ID:	F61737-1	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	78.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	6.0	1.2	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.0	2.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.0	1.9	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.0	1.6	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	30	6.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.0	1.2	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.0	1.2	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.0	1.2	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.0	1.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.0	1.2	ug/kg	
100-41-4	Ethylbenzene	ND	6.0	1.2	ug/kg	
97-63-2	Ethyl methacrylate	ND	30	6.0	ug/kg	
76-13-1	Freon 113	ND	6.0	3.1	ug/kg	
591-78-6	2-Hexanone	ND	30	6.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.0	1.4	ug/kg	
110-54-3	Hexane	ND	6.0	2.9	ug/kg	
98-82-8	Isopropylbenzene	ND	6.0	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.0	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	30	7.7	ug/kg	
126-98-7	Methacrylonitrile	ND	30	6.6	ug/kg	
74-83-9	Methyl bromide	ND	6.0	2.7	ug/kg	
74-87-3	Methyl chloride	ND	6.0	2.9	ug/kg	
74-88-4	Methyl iodide	ND	12	2.4	ug/kg	
80-62-6	Methyl methacrylate	ND	30	6.0	ug/kg	
74-95-3	Methylene bromide	ND	6.0	1.8	ug/kg	
75-09-2	Methylene chloride [a]	30.8	12	6.0	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	30	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.0	1.8	ug/kg	
91-20-3	Naphthalene	ND	6.0	2.4	ug/kg	
76-01-7	Pentachloroethane	ND	30	6.0	ug/kg	
107-12-0	Propionitrile	ND	60	14	ug/kg	
103-65-1	n-Propylbenzene	ND	6.0	1.4	ug/kg	
100-42-5	Styrene	ND	6.0	1.2	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.0	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.0	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.0	2.2	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.0	1.2	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.0	2.4	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.0	2.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.0	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB13-20		
Lab Sample ID:	F61737-1	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	78.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	6.0	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.0	1.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.0	1.4	ug/kg	
108-88-3	Toluene	ND	6.0	1.2	ug/kg	
79-01-6	Trichloroethylene	ND	6.0	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.0	2.4	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	30	6.0	ug/kg	
75-01-4	Vinyl chloride	ND	6.0	2.4	ug/kg	
108-05-4	Vinyl Acetate	ND	30	14	ug/kg	
	m,p-Xylene	ND	12	2.3	ug/kg	
95-47-6	o-Xylene	ND	6.0	1.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-121%
2037-26-5	Toluene-D8	91%		71-130%
460-00-4	4-Bromofluorobenzene	106%		59-148%
17060-07-0	1,2-Dichloroethane-D4	109%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB13-20		
Lab Sample ID:	F61737-1	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	78.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR044950.D	1	12/03/08	AH	11/22/08 12:00	n/a	GQR1955
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.09 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.5	3.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	74%		56-136%
98-08-8	aaa-Trifluorotoluene	74%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB13-20		
Lab Sample ID:	F61737-1	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	78.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10352.D	1	12/04/08	NY	11/24/08	OP27247	GYY372
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.3	mg/kg	
	TPH (> C22-C36)	ND	10	6.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	100%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB13-29		
Lab Sample ID:	F61737-2	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	75.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054531.D	1	12/02/08	MM	11/22/08 12:15	n/a	VG2062
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.83 g	5.0 ml	20.0 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	18000	9100	ug/kg	
75-05-8	Acetonitrile	ND	18000	5800	ug/kg	
107-02-8	Acrolein	ND	9100	3600	ug/kg	
107-13-1	Acrylonitrile	ND	9100	2500	ug/kg	
107-05-1	Allyl chloride	ND	9100	1800	ug/kg	
71-43-2	Benzene	1930	1800	360	ug/kg	
100-44-7	Benzyl Chloride	ND	1800	400	ug/kg	
108-86-1	Bromobenzene	ND	1800	360	ug/kg	
74-97-5	Bromochloromethane	ND	1800	620	ug/kg	
75-27-4	Bromodichloromethane	ND	1800	440	ug/kg	
75-25-2	Bromoform	ND	1800	550	ug/kg	
104-51-8	n-Butylbenzene	ND	1800	510	ug/kg	
135-98-8	sec-Butylbenzene	1380	1800	400	ug/kg	J
98-06-6	tert-Butylbenzene	662	1800	400	ug/kg	J
108-90-7	Chlorobenzene	ND	1800	360	ug/kg	
75-00-3	Chloroethane	ND	1800	730	ug/kg	
67-66-3	Chloroform	ND	1800	620	ug/kg	
544-10-5	1-Chlorohexane	ND	1800	470	ug/kg	
95-49-8	o-Chlorotoluene	ND	1800	360	ug/kg	
106-43-4	p-Chlorotoluene	ND	1800	360	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	9100	3600	ug/kg	
75-15-0	Carbon disulfide	ND	1800	400	ug/kg	
56-23-5	Carbon tetrachloride	ND	1800	510	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1800	730	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	1800	470	ug/kg	
563-58-6	1,1-Dichloropropene	ND	1800	510	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1800	870	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1800	360	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1800	400	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1800	510	ug/kg	
142-28-9	1,3-Dichloropropane	ND	1800	360	ug/kg	
594-20-7	2,2-Dichloropropane	ND	1800	760	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB13-29		
Lab Sample ID:	F61737-2	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	75.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1800	360	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	1800	730	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	1800	580	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1800	470	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	9100	1800	ug/kg	
541-73-1	m-Dichlorobenzene	ND	1800	360	ug/kg	
95-50-1	o-Dichlorobenzene	ND	1800	360	ug/kg	
106-46-7	p-Dichlorobenzene	ND	1800	360	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	1800	440	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1800	360	ug/kg	
100-41-4	Ethylbenzene	7770	1800	360	ug/kg	
97-63-2	Ethyl methacrylate	ND	9100	1800	ug/kg	
76-13-1	Freon 113	ND	1800	950	ug/kg	
591-78-6	2-Hexanone	ND	9100	1800	ug/kg	
87-68-3	Hexachlorobutadiene	ND	1800	440	ug/kg	
110-54-3	Hexane	ND	1800	870	ug/kg	
98-82-8	Isopropylbenzene	56400	1800	400	ug/kg	
99-87-6	p-Isopropyltoluene	ND	1800	400	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	9100	2300	ug/kg	
126-98-7	Methacrylonitrile	ND	9100	2000	ug/kg	
74-83-9	Methyl bromide	ND	1800	800	ug/kg	
74-87-3	Methyl chloride	ND	1800	870	ug/kg	
74-88-4	Methyl iodide	ND	3600	730	ug/kg	
80-62-6	Methyl methacrylate	ND	9100	1800	ug/kg	
74-95-3	Methylene bromide	ND	1800	550	ug/kg	
75-09-2	Methylene chloride	ND	3600	1800	ug/kg	
78-93-3	Methyl ethyl ketone	ND	9100	3000	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1800	550	ug/kg	
91-20-3	Naphthalene	ND	1800	730	ug/kg	
76-01-7	Pentachloroethane	ND	9100	1800	ug/kg	
107-12-0	Propionitrile	ND	18000	4400	ug/kg	
103-65-1	n-Propylbenzene	2410	1800	440	ug/kg	
100-42-5	Styrene	ND	1800	360	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1800	360	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1800	400	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1800	650	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1800	360	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	1800	730	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	1800	690	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	1800	730	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB13-29		
Lab Sample ID:	F61737-2	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	75.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	1800	360	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	1800	360	ug/kg	
127-18-4	Tetrachloroethylene	ND	1800	440	ug/kg	
108-88-3	Toluene	ND	1800	360	ug/kg	
79-01-6	Trichloroethylene	ND	1800	440	ug/kg	
75-69-4	Trichlorofluoromethane	ND	1800	730	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	9100	1800	ug/kg	
75-01-4	Vinyl chloride	ND	1800	730	ug/kg	
108-05-4	Vinyl Acetate	ND	9100	4400	ug/kg	
	m,p-Xylene	ND	3600	690	ug/kg	
95-47-6	o-Xylene	ND	1800	360	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-121%
2037-26-5	Toluene-D8	95%		71-130%
460-00-4	4-Bromofluorobenzene	96%		59-148%
17060-07-0	1,2-Dichloroethane-D4	115%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB13-29		
Lab Sample ID:	F61737-2	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	75.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	QR045011.D	1	12/05/08	AH	11/22/08 12:15	n/a	GQR1958
Run #2 [b]	QR044951.D	1	12/03/08	AH	11/22/08 12:15	n/a	GQR1955

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.83 g	5.0 ml	4.0 ul
Run #2	5.83 g	5.0 ml	100 ul

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	822	180	91	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	88%	636% [c]	56-136%
98-08-8	aaa-Trifluorotoluene	100%	578% [c]	61-121%

(a) Sample re-analyzed beyond hold time; reported results are considered minimum values.
(b) Confirmation run.
(c) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB13-29		
Lab Sample ID:	F61737-2	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	75.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10358.D	1	12/05/08	NY	11/24/08	OP27247	GYY372
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	11	6.5	mg/kg	
	TPH (> C22-C36)	ND	11	6.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	78%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB13-29-a		
Lab Sample ID:	F61737-3	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	77.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054532.D	1	12/02/08	MM	11/22/08 12:15	n/a	VG2062
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.86 g	5.0 ml	20.0 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	17000	8600	ug/kg	
75-05-8	Acetonitrile	ND	17000	5500	ug/kg	
107-02-8	Acrolein	ND	8600	3400	ug/kg	
107-13-1	Acrylonitrile	ND	8600	2400	ug/kg	
107-05-1	Allyl chloride	ND	8600	1700	ug/kg	
71-43-2	Benzene	3560	1700	340	ug/kg	
100-44-7	Benzyl Chloride	ND	1700	380	ug/kg	
108-86-1	Bromobenzene	ND	1700	340	ug/kg	
74-97-5	Bromochloromethane	ND	1700	590	ug/kg	
75-27-4	Bromodichloromethane	ND	1700	410	ug/kg	
75-25-2	Bromoform	ND	1700	520	ug/kg	
104-51-8	n-Butylbenzene	ND	1700	480	ug/kg	
135-98-8	sec-Butylbenzene	1730	1700	380	ug/kg	
98-06-6	tert-Butylbenzene	710	1700	380	ug/kg	J
108-90-7	Chlorobenzene	ND	1700	340	ug/kg	
75-00-3	Chloroethane	ND	1700	690	ug/kg	
67-66-3	Chloroform	ND	1700	590	ug/kg	
544-10-5	1-Chlorohexane	ND	1700	450	ug/kg	
95-49-8	o-Chlorotoluene	ND	1700	340	ug/kg	
106-43-4	p-Chlorotoluene	ND	1700	340	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	8600	3400	ug/kg	
75-15-0	Carbon disulfide	ND	1700	380	ug/kg	
56-23-5	Carbon tetrachloride	ND	1700	480	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1700	690	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	1700	450	ug/kg	
563-58-6	1,1-Dichloropropene	ND	1700	480	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1700	830	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1700	340	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1700	380	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1700	480	ug/kg	
142-28-9	1,3-Dichloropropane	ND	1700	340	ug/kg	
594-20-7	2,2-Dichloropropane	ND	1700	720	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB13-29-a		
Lab Sample ID:	F61737-3	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	77.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1700	340	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	1700	690	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	1700	550	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1700	450	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	8600	1700	ug/kg	
541-73-1	m-Dichlorobenzene	ND	1700	340	ug/kg	
95-50-1	o-Dichlorobenzene	ND	1700	340	ug/kg	
106-46-7	p-Dichlorobenzene	ND	1700	340	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	1700	410	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1700	340	ug/kg	
100-41-4	Ethylbenzene	12000	1700	340	ug/kg	
97-63-2	Ethyl methacrylate	ND	8600	1700	ug/kg	
76-13-1	Freon 113	ND	1700	900	ug/kg	
591-78-6	2-Hexanone	ND	8600	1700	ug/kg	
87-68-3	Hexachlorobutadiene	ND	1700	410	ug/kg	
110-54-3	Hexane	ND	1700	830	ug/kg	
98-82-8	Isopropylbenzene	68900	1700	380	ug/kg	
99-87-6	p-Isopropyltoluene	ND	1700	380	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	8600	2200	ug/kg	
126-98-7	Methacrylonitrile	ND	8600	1900	ug/kg	
74-83-9	Methyl bromide	ND	1700	760	ug/kg	
74-87-3	Methyl chloride	ND	1700	830	ug/kg	
74-88-4	Methyl iodide	ND	3400	690	ug/kg	
80-62-6	Methyl methacrylate	ND	8600	1700	ug/kg	
74-95-3	Methylene bromide	ND	1700	520	ug/kg	
75-09-2	Methylene chloride	ND	3400	1700	ug/kg	
78-93-3	Methyl ethyl ketone	ND	8600	2900	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1700	520	ug/kg	
91-20-3	Naphthalene	ND	1700	690	ug/kg	
76-01-7	Pentachloroethane	ND	8600	1700	ug/kg	
107-12-0	Propionitrile	ND	17000	4100	ug/kg	
103-65-1	n-Propylbenzene	3190	1700	410	ug/kg	
100-42-5	Styrene	ND	1700	340	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1700	340	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1700	380	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1700	620	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1700	340	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	1700	690	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	1700	660	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	1700	690	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB13-29-a		
Lab Sample ID:	F61737-3	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	77.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	561	1700	340	ug/kg	J
108-67-8	1,3,5-Trimethylbenzene	ND	1700	340	ug/kg	
127-18-4	Tetrachloroethylene	ND	1700	410	ug/kg	
108-88-3	Toluene	ND	1700	340	ug/kg	
79-01-6	Trichloroethylene	ND	1700	410	ug/kg	
75-69-4	Trichlorofluoromethane	ND	1700	690	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	8600	1700	ug/kg	
75-01-4	Vinyl chloride	ND	1700	690	ug/kg	
108-05-4	Vinyl Acetate	ND	8600	4100	ug/kg	
	m,p-Xylene	ND	3400	660	ug/kg	
95-47-6	o-Xylene	ND	1700	340	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-121%
2037-26-5	Toluene-D8	91%		71-130%
460-00-4	4-Bromofluorobenzene	101%		59-148%
17060-07-0	1,2-Dichloroethane-D4	106%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB13-29-a		
Lab Sample ID:	F61737-3	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	77.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	QR045012.D	1	12/05/08	AH	11/22/08 12:15	n/a	GQR1958
Run #2 [b]	QR044952.D	1	12/03/08	AH	11/22/08 12:15	n/a	GQR1955

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.86 g	5.0 ml	2.5 ul
Run #2	5.86 g	5.0 ml	100 ul

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1130	280	140	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	82%	915% [c]	56-136%
98-08-8	aaa-Trifluorotoluene	94%	447% [c]	61-121%

(a) Sample re-analyzed beyond hold time; reported results are considered minimum values.
(b) Confirmation run.
(c) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB13-29-a		
Lab Sample ID:	F61737-3	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	77.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10359.D	1	12/05/08	NY	11/24/08	OP27247	GYY372
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.3	mg/kg	
	TPH (> C22-C36)	ND	10	6.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	76%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB13-35		
Lab Sample ID:	F61737-4	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	77.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054533.D	1	12/02/08	MM	11/22/08 12:15	n/a	VG2062
Run #2							

	Initial Weight
Run #1	5.68 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	42.1	57	29	ug/kg	J
75-05-8	Acetonitrile	ND	57	18	ug/kg	
107-02-8	Acrolein	ND	29	11	ug/kg	
107-13-1	Acrylonitrile	ND	29	7.9	ug/kg	
107-05-1	Allyl chloride	ND	29	5.7	ug/kg	
71-43-2	Benzene	6.7	5.7	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.7	1.3	ug/kg	
108-86-1	Bromobenzene	ND	5.7	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.7	1.9	ug/kg	
75-27-4	Bromodichloromethane	ND	5.7	1.4	ug/kg	
75-25-2	Bromoform	ND	5.7	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	5.7	1.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.7	1.3	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.7	1.3	ug/kg	
108-90-7	Chlorobenzene	ND	5.7	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.7	2.3	ug/kg	
67-66-3	Chloroform	ND	5.7	1.9	ug/kg	
544-10-5	1-Chlorohexane	ND	5.7	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.7	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.7	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	29	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.7	1.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.7	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.7	2.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.7	1.5	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.7	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.7	2.7	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.7	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	1.9	5.7	1.3	ug/kg	J
78-87-5	1,2-Dichloropropane	ND	5.7	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.7	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.7	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB13-35		
Lab Sample ID:	F61737-4	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	77.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.7	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.7	2.3	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.7	1.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.7	1.5	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	29	5.7	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.7	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.7	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.7	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.7	1.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.7	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.7	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	29	5.7	ug/kg	
76-13-1	Freon 113	ND	5.7	3.0	ug/kg	
591-78-6	2-Hexanone	ND	29	5.7	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.7	1.4	ug/kg	
110-54-3	Hexane	ND	5.7	2.7	ug/kg	
98-82-8	Isopropylbenzene	7.4	5.7	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.7	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	29	7.3	ug/kg	
126-98-7	Methacrylonitrile	ND	29	6.3	ug/kg	
74-83-9	Methyl bromide	ND	5.7	2.5	ug/kg	
74-87-3	Methyl chloride	ND	5.7	2.7	ug/kg	
74-88-4	Methyl iodide	ND	11	2.3	ug/kg	
80-62-6	Methyl methacrylate	ND	29	5.7	ug/kg	
74-95-3	Methylene bromide	ND	5.7	1.7	ug/kg	
75-09-2	Methylene chloride [a]	7.3	11	5.7	ug/kg	JB
78-93-3	Methyl ethyl ketone	ND	29	9.5	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.7	1.7	ug/kg	
91-20-3	Naphthalene	ND	5.7	2.3	ug/kg	
76-01-7	Pentachloroethane	ND	29	5.7	ug/kg	
107-12-0	Propionitrile	ND	57	14	ug/kg	
103-65-1	n-Propylbenzene	ND	5.7	1.4	ug/kg	
100-42-5	Styrene	ND	5.7	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.7	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.7	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.7	2.1	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.7	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.7	2.3	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.7	2.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.7	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB13-35		
Lab Sample ID:	F61737-4	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	77.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.7	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.7	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.7	1.4	ug/kg	
108-88-3	Toluene	ND	5.7	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.7	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.7	2.3	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	29	5.7	ug/kg	
75-01-4	Vinyl chloride	ND	5.7	2.3	ug/kg	
108-05-4	Vinyl Acetate	ND	29	14	ug/kg	
	m,p-Xylene	ND	11	2.2	ug/kg	
95-47-6	o-Xylene	ND	5.7	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		80-121%
2037-26-5	Toluene-D8	89%		71-130%
460-00-4	4-Bromofluorobenzene	105%		59-148%
17060-07-0	1,2-Dichloroethane-D4	116%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB13-35		
Lab Sample ID:	F61737-4	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	77.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR044953.D	1	12/03/08	AH	11/22/08 12:15	n/a	GQR1955
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.40 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.5	3.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	76%		56-136%
98-08-8	aaa-Trifluorotoluene	75%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB13-35		
Lab Sample ID:	F61737-4	**Date Sampled:**	11/20/08
Matrix:	SO - Soil	**Date Received:**	11/22/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	77.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10360.D	1	12/05/08	NY	11/24/08	OP27247	GYY372
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	11	6.5	mg/kg	
	TPH (> C22-C36)	ND	11	6.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	91%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61737-5	**Date Sampled:**	11/20/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/22/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054534.D	1	12/02/08	MM	n/a	n/a	VG2062
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61737-5	**Date Sampled:**	11/20/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/22/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride [a]	6.0	10	5.0	ug/kg	JB
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61737-5	**Date Sampled:**	11/20/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/22/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-121%
2037-26-5	Toluene-D8	90%		71-130%
460-00-4	4-Bromofluorobenzene	97%		59-148%
17060-07-0	1,2-Dichloroethane-D4	111%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

F61737

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

Page 1 of 1

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number (1): 11-21-2008-2

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Zack Beck / Dusty McNeil

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code (2)	Sample Number (3)	Sample Matrix (4)	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)					Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
1	SS61-SB13-20	SS61-SB13	20-Nov-2008	1510	18 - 20	N	01	SO	5	X	X	X									2
1 2	SS61-SB13-20-MS	SS61-SB13	20-Nov-2008	1510	18 - 20	MS	01	SO	5	X	X	X									2
1 3	SS61-SB13-20-MSD	SS61-SB13	20-Nov-2008	1510	18 - 20	SD	01	SO	5	X	X	X									2
2 4	SS61-SB13-29	SS61-SB13	20-Nov-2008	1510	27 - 29	N	01	SO	5	X	X	X									2
3 5	SS61-SB13-29-2	SS61-SB13	20-Nov-2008	1510	27 - 29	FD	01	SO	5	X	X	X									2
4	SS61-SB13-35	SS61-SB13	20-Nov-2008	1510	33 - 35	N	01	SO	5	X	X	X									2
5	Trip Blank				-	TB		WQ	3	X											2
					-																
					-																
					-																
					-																

Sample Analysis Requested (5) | Quality Assurance Samples (6)

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time		Received by (signed)	Date	Time
1.		11/21/08	1400	1.			
2.		11/22/08	9:00	2.		11/22/08	9:00
3.				3.			

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: Shipped No.:

Method of Shipment: Airbill Number:

Analytical Lab: Accutest Laboratories Delivery Location:

Lab Recipient: Delivery Date/Time:

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

2.6

4.1 4

F61737: Chain of Custody
Page 1 of 2

ACCUTEST Laboratories
F61737

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61737 CLIENT: BHATE PROJECT: SS-61

DATE/TIME RECEIVED: 11/22/08 9:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.6

METHOD OF DELIVERY: ~~FEDEX~~ UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8651 5824 0474

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [X] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 24

NUMBER OF 5035 FIELD KITS ? FB

NUMBER OF LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE: 11/22/08 TECHNICIAN SIGNATURE/DATE: E.T. 11-22-08 ASBD 12/17/07

4.1 4

F61737: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61737
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2062-MB	G0054527.D	1	12/02/08	MM	n/a	n/a	VG2062

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61737-1, F61737-2, F61737-3, F61737-4, F61737-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61737
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2062-MB	G0054527.D	1	12/02/08	MM	n/a	n/a	VG2062

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61737-1, F61737-2, F61737-3, F61737-4, F61737-5

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	5.6	10	5.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	2.1	5.0	2.0	ug/kg	J
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F61737
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2062-MB	G0054527.D	1	12/02/08	MM	n/a	n/a	VG2062

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61737-1, F61737-2, F61737-3, F61737-4, F61737-5

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	80-121%
2037-26-5	Toluene-D8	92%	71-130%
460-00-4	4-Bromofluorobenzene	96%	59-148%
17060-07-0	1,2-Dichloroethane-D4	113%	77-123%

Blank Spike Summary

Job Number: F61737
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2062-BS	G0054526.D	1	12/02/08	MM	n/a	n/a	VG2062

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61737-1, F61737-2, F61737-3, F61737-4, F61737-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	181	72	61-144
75-05-8	Acetonitrile	500	445	89	59-139
107-02-8	Acrolein	250	74.2	30	27-156
107-13-1	Acrylonitrile	250	251	100	55-144
107-05-1	Allyl chloride	50	49.4	99	41-152
71-43-2	Benzene	50	53.5	107	78-130
100-44-7	Benzyl Chloride	50	45.1	90	74-130
108-86-1	Bromobenzene	50	56.1	112	78-123
74-97-5	Bromochloromethane	50	44.5	89	72-122
75-27-4	Bromodichloromethane	50	50.5	101	73-122
75-25-2	Bromoform	50	48.2	96	70-139
104-51-8	n-Butylbenzene	50	57.5	115	80-138
135-98-8	sec-Butylbenzene	50	60.1	120	82-132
98-06-6	tert-Butylbenzene	50	58.4	117	79-130
108-90-7	Chlorobenzene	50	53.7	107	83-122
75-00-3	Chloroethane	50	45.3	91	61-153
67-66-3	Chloroform	50	53.2	106	79-129
544-10-5	1-Chlorohexane	50	48.4	97	85-137
95-49-8	o-Chlorotoluene	50	58.6	117	77-123
106-43-4	p-Chlorotoluene	50	56.6	113	78-129
110-75-8	2-Chloroethyl vinyl ether	250	316	126	52-142
75-15-0	Carbon disulfide	50	41.2	82	61-142
56-23-5	Carbon tetrachloride	50	49.6	99	79-135
75-34-3	1,1-Dichloroethane	50	52.3	105	77-132
75-35-4	1,1-Dichloroethylene	50	46.4	93	66-132
563-58-6	1,1-Dichloropropene	50	50.1	100	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	49.7	99	67-129
106-93-4	1,2-Dibromoethane	50	47.3	95	77-126
107-06-2	1,2-Dichloroethane	50	48.6	97	78-129
78-87-5	1,2-Dichloropropane	50	52.1	104	74-127
142-28-9	1,3-Dichloropropane	50	49.0	98	78-118
594-20-7	2,2-Dichloropropane	50	55.2	110	80-137
124-48-1	Dibromochloromethane	50	50.4	101	78-117
75-71-8	Dichlorodifluoromethane	50	33.7	67	35-162
156-59-2	cis-1,2-Dichloroethylene	50	50.4	101	74-123
10061-01-5	cis-1,3-Dichloropropene	50	52.2	104	79-130

Blank Spike Summary

Job Number: F61737
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2062-BS	G0054526.D	1	12/02/08	MM	n/a	n/a	VG2062

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61737-1, F61737-2, F61737-3, F61737-4, F61737-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	46.7	93	71-126
541-73-1	m-Dichlorobenzene	50	55.3	111	82-126
95-50-1	o-Dichlorobenzene	50	54.7	109	83-123
106-46-7	p-Dichlorobenzene	50	56.9	114	84-124
156-60-5	trans-1,2-Dichloroethylene	50	50.5	101	77-129
10061-02-6	trans-1,3-Dichloropropene	50	57.2	114	87-131
100-41-4	Ethylbenzene	50	53.8	108	82-124
97-63-2	Ethyl methacrylate	50	46.5	93	78-118
76-13-1	Freon 113	50	28.1	56*	62-147
591-78-6	2-Hexanone	250	229	92	67-130
87-68-3	Hexachlorobutadiene	50	56.8	114	77-150
110-54-3	Hexane	50	52.8	106	65-147
98-82-8	Isopropylbenzene	50	57.8	116	82-133
99-87-6	p-Isopropyltoluene	50	58.6	117	82-132
108-10-1	4-Methyl-2-pentanone	250	235	94	69-125
126-98-7	Methacrylonitrile	500	453	91	70-138
74-83-9	Methyl bromide	50	49.5	99	60-146
74-87-3	Methyl chloride	50	43.9	88	58-163
74-88-4	Methyl iodide	50	40.6	81	66-128
80-62-6	Methyl methacrylate	50	45.0	90	73-125
74-95-3	Methylene bromide	50	50.9	102	75-128
75-09-2	Methylene chloride	50	49.8	100	62-140
78-93-3	Methyl ethyl ketone	250	204	82	66-134
1634-04-4	Methyl Tert Butyl Ether	50	46.1	92	70-131
91-20-3	Naphthalene	50	54.3	109	59-143
76-01-7	Pentachloroethane	50	57.1	114	64-156
107-12-0	Propionitrile	500	432	86	73-133
103-65-1	n-Propylbenzene	50	57.6	115	78-129
100-42-5	Styrene	50	51.5	103	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	53.9	108	81-121
71-55-6	1,1,1-Trichloroethane	50	52.2	104	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	51.9	104	70-128
79-00-5	1,1,2-Trichloroethane	50	50.7	101	76-118
87-61-6	1,2,3-Trichlorobenzene	50	59.6	119	78-136
96-18-4	1,2,3-Trichloropropane	50	48.0	96	74-125
120-82-1	1,2,4-Trichlorobenzene	50	56.8	114	82-137

Blank Spike Summary

Job Number: F61737
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2062-BS	G0054526.D	1	12/02/08	MM	n/a	n/a	VG2062

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61737-1, F61737-2, F61737-3, F61737-4, F61737-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	57.0	114	77-129
108-67-8	1,3,5-Trimethylbenzene	50	58.1	116	79-129
127-18-4	Tetrachloroethylene	50	54.8	110	79-132
108-88-3	Toluene	50	53.4	107	80-123
79-01-6	Trichloroethylene	50	53.0	106	78-132
75-69-4	Trichlorofluoromethane	50	42.4	85	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	104	208*	74-138
75-01-4	Vinyl chloride	50	38.7	77	60-145
108-05-4	Vinyl Acetate	250	355	142	25-164
	m,p-Xylene	100	113	113	82-128
95-47-6	o-Xylene	50	56.0	112	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	80-121%
2037-26-5	Toluene-D8	98%	71-130%
460-00-4	4-Bromofluorobenzene	101%	59-148%
17060-07-0	1,2-Dichloroethane-D4	91%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61737
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61737-1MS	G0054529.D	1	12/02/08	MM	n/a	n/a	VG2062
F61737-1MSD	G0054530.D	1	12/02/08	MM	n/a	n/a	VG2062
F61737-1	G0054528.D	1	12/02/08	MM	n/a	n/a	VG2062

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61737-1, F61737-2, F61737-3, F61737-4, F61737-5

CAS No.	Compound	F61737-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	87.4		329	265	54*	236	44*	12	61-144/29
75-05-8	Acetonitrile	ND		657	582	89	587	87	1	59-139/30
107-02-8	Acrolein	ND		329	60.1	18*	47.3	14*	24	27-156/39
107-13-1	Acrylonitrile	ND		329	358	109	349	104	3	55-144/24
107-05-1	Allyl chloride	ND		65.7	59.6	91	62.1	93	4	41-152/24
71-43-2	Benzene	ND		65.7	68.0	103	63.5	95	7	78-130/25
100-44-7	Benzyl Chloride	ND		65.7	46.1	70*	50.1	75	8	74-130/28
108-86-1	Bromobenzene	ND		65.7	68.3	104	71.8	107	5	78-123/30
74-97-5	Bromochloromethane	ND		65.7	59.6	91	56.4	84	6	72-122/23
75-27-4	Bromodichloromethane	ND		65.7	62.9	96	64.5	96	3	73-122/25
75-25-2	Bromoform	ND		65.7	61.4	93	63.6	95	4	70-139/26
104-51-8	n-Butylbenzene	ND		65.7	71.4	109	73.2	109	2	80-138/31
135-98-8	sec-Butylbenzene	ND		65.7	72.2	110	75.6	113	5	82-132/29
98-06-6	tert-Butylbenzene	ND		65.7	66.6	101	68.6	102	3	79-130/29
108-90-7	Chlorobenzene	ND		65.7	66.4	101	66.3	99	0	83-122/23
75-00-3	Chloroethane	ND		65.7	58.5	89	57.3	85	2	61-153/31
67-66-3	Chloroform	ND		65.7	69.4	106	66.9	100	4	79-129/27
544-10-5	1-Chlorohexane	ND		65.7	60.6	92	63.1	94	4	85-137/29
95-49-8	o-Chlorotoluene	ND		65.7	68.9	105	72.5	108	5	77-123/31
106-43-4	p-Chlorotoluene	ND		65.7	68.1	104	71.9	107	5	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		329	424	129	426	127	0	52-142/25
75-15-0	Carbon disulfide	ND		65.7	57.6	88	50.7	76	13	61-142/27
56-23-5	Carbon tetrachloride	ND		65.7	68.6	104	63.8	95	7	79-135/29
75-34-3	1,1-Dichloroethane	ND		65.7	67.7	103	64.2	96	5	77-132/26
75-35-4	1,1-Dichloroethylene	ND		65.7	66.0	100	59.6	89	10	66-132/27
563-58-6	1,1-Dichloropropene	ND		65.7	65.6	100	65.3	97	0	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		65.7	63.5	97	67.6	101	6	67-129/29
106-93-4	1,2-Dibromoethane	ND		65.7	59.6	91	63.4	94	6	77-126/24
107-06-2	1,2-Dichloroethane	ND		65.7	62.6	95	62.6	93	0	78-129/24
78-87-5	1,2-Dichloropropane	ND		65.7	66.5	101	63.8	95	4	74-127/27
142-28-9	1,3-Dichloropropane	ND		65.7	59.8	91	62.3	93	4	78-118/26
594-20-7	2,2-Dichloropropane	ND		65.7	65.0	99	63.6	95	2	80-137/28
124-48-1	Dibromochloromethane	ND		65.7	60.4	92	65.1	97	7	78-117/27
75-71-8	Dichlorodifluoromethane	ND		65.7	51.3	78	49.8	74	3	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		65.7	62.6	95	61.2	91	2	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		65.7	64.7	98	65.8	98	2	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61737
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61737-1MS	G0054529.D	1	12/02/08	MM	n/a	n/a	VG2062
F61737-1MSD	G0054530.D	1	12/02/08	MM	n/a	n/a	VG2062
F61737-1	G0054528.D	1	12/02/08	MM	n/a	n/a	VG2062

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61737-1, F61737-2, F61737-3, F61737-4, F61737-5

CAS No.	Compound	F61737-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		65.7	57.3	87	59.7	89	4	71-126/28
541-73-1	m-Dichlorobenzene	ND		65.7	67.3	102	71.2	106	6	82-126/29
95-50-1	o-Dichlorobenzene	ND		65.7	66.6	101	69.6	104	4	83-123/28
106-46-7	p-Dichlorobenzene	ND		65.7	68.9	105	71.2	106	3	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		65.7	66.2	101	60.8	91	9	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		65.7	62.8	96	69.8	104	11	87-131/27
100-41-4	Ethylbenzene	ND		65.7	65.7	100	66.9	100	2	82-124/25
97-63-2	Ethyl methacrylate	ND		65.7	36.8	56*	39.8	59*	8	78-118/30
76-13-1	Freon 113	ND		65.7	70.9	108	65.5	98	8	62-147/29
591-78-6	2-Hexanone	ND		329	275	84	293	87	6	67-130/29
87-68-3	Hexachlorobutadiene	ND		65.7	69.5	106	78.8	117	13	77-150/36
110-54-3	Hexane	ND		65.7	74.1	113	70.4	105	5	65-147/27
98-82-8	Isopropylbenzene	ND		65.7	70.4	107	70.4	105	0	82-133/27
99-87-6	p-Isopropyltoluene	ND		65.7	73.8	112	76.2	114	3	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		329	312	95	317	94	2	69-125/24
126-98-7	Methacrylonitrile	ND		657	635	97	618	92	3	70-138/22
74-83-9	Methyl bromide	ND		65.7	71.0	108	66.0	98	7	60-146/31
74-87-3	Methyl chloride	ND		65.7	58.3	89	54.7	81	6	58-163/26
74-88-4	Methyl iodide	ND		65.7	54.4	83	47.5	71	14	66-128/27
80-62-6	Methyl methacrylate	ND		65.7	64.8	99	68.6	102	6	73-125/24
74-95-3	Methylene bromide	ND		65.7	67.1	102	66.4	99	1	75-128/26
75-09-2	Methylene chloride	30.8	B	65.7	73.9	66	61.7	46*	18	62-140/25
78-93-3	Methyl ethyl ketone	ND		329	256	78	244	73	5	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		65.7	58.2	89	60.5	90	4	70-131/25
91-20-3	Naphthalene	ND		65.7	68.1	104	74.8	111	9	59-143/31
76-01-7	Pentachloroethane	ND		65.7	60.7	92	63.1	94	4	64-156/37
107-12-0	Propionitrile	ND		657	578	88	583	87	1	73-133/23
103-65-1	n-Propylbenzene	ND		65.7	70.2	107	73.4	109	4	78-129/29
100-42-5	Styrene	ND		65.7	60.2	92	60.9	91	1	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		65.7	64.2	98	64.6	96	1	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		65.7	68.8	105	65.9	98	4	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		65.7	65.2	99	71.9	107	10	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		65.7	62.7	95	63.4	94	1	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		65.7	73.7	112	83.7	125	13	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		65.7	59.0	90	64.7	96	9	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		65.7	70.1	107	78.5	117	11	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61737
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61737-1MS	G0054529.D	1	12/02/08	MM	n/a	n/a	VG2062
F61737-1MSD	G0054530.D	1	12/02/08	MM	n/a	n/a	VG2062
F61737-1	G0054528.D	1	12/02/08	MM	n/a	n/a	VG2062

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61737-1, F61737-2, F61737-3, F61737-4, F61737-5

CAS No.	Compound	F61737-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		65.7	69.3	105	71.9	107	4	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		65.7	65.8	100	70.3	105	7	79-129/31
127-18-4	Tetrachloroethylene	ND		65.7	72.6	110	75.1	112	3	79-132/27
108-88-3	Toluene	ND		65.7	62.1	94	65.2	97	5	80-123/26
79-01-6	Trichloroethylene	ND		65.7	66.4	101	66.5	99	0	78-132/28
75-69-4	Trichlorofluoromethane	ND		65.7	67.8	103	57.7	86	16	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		65.7	122	186*	130	194*	6	74-138/30
75-01-4	Vinyl chloride	ND		65.7	54.1	82	50.0	74	8	60-145/29
108-05-4	Vinyl Acetate	ND		329	236	72	244	73	3	25-164/35
	m,p-Xylene	ND		131	136	103	137	102	1	82-128/25
95-47-6	o-Xylene	ND		65.7	66.6	101	67.7	101	2	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61737-1	Limits
1868-53-7	Dibromofluoromethane	104%	100%	100%	80-121%
2037-26-5	Toluene-D8	94%	99%	91%	71-130%
460-00-4	4-Bromofluorobenzene	94%	101%	106%	59-148%
17060-07-0	1,2-Dichloroethane-D4	108%	93%	109%	77-123%

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61737
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1955-MB	QR044934.D	1	12/02/08	AH	n/a	n/a	GQR1955

The QC reported here applies to the following samples: **Method:** SW846 8015

F61737-1, F61737-4

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	69%	56-136%
98-08-8	aaa-Trifluorotoluene	76%	61-121%

Method Blank Summary

Job Number: F61737
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1958-MB	QR044995.D	1	12/05/08	AH	n/a	n/a	GQR1958

The QC reported here applies to the following samples: **Method:** SW846 8015

F61737-2, F61737-3

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	90%	56-136%
98-08-8	aaa-Trifluorotoluene	77%	61-121%

Blank Spike Summary

Job Number: F61737
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1955-BS	QR044933.D	1	12/02/08	AH	n/a	n/a	GQR1955

The QC reported here applies to the following samples: **Method:** SW846 8015

F61737-1, F61737-4

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	20.6	103	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	94%	56-136%
98-08-8	aaa-Trifluorotoluene	88%	61-121%

Blank Spike Summary

Job Number: F61737
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1958-BS	QR044994.D	1	12/05/08	AH	n/a	n/a	GQR1958

The QC reported here applies to the following samples: **Method:** SW846 8015

F61737-2, F61737-3

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	18.5	93	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	102%	56-136%
98-08-8	aaa-Trifluorotoluene	96%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61737
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61737-1MS	QR044956.D	1	12/03/08	AH	n/a	n/a	GQR1955
F61737-1MSD	QR044957.D	1	12/03/08	AH	n/a	n/a	GQR1955
F61737-1	QR044950.D	1	12/03/08	AH	n/a	n/a	GQR1955

The QC reported here applies to the following samples: **Method:** SW846 8015

F61737-1, F61737-4

CAS No.	Compound	F61737-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		26.2	21.0	80	21.0	80	0	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61737-1	Limits
460-00-4	4-Bromofluorobenzene	75%	77%	74%	56-136%
98-08-8	aaa-Trifluorotoluene	91%	89%	74%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61737
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61771-4MS	QR045015.D	1	12/05/08	AH	n/a	n/a	GQR1958
F61771-4MSD	QR045016.D	1	12/05/08	AH	n/a	n/a	GQR1958
F61771-4	QR044999.D	1	12/05/08	AH	n/a	n/a	GQR1958

The QC reported here applies to the following samples: **Method:** SW846 8015

F61737-2, F61737-3

CAS No.	Compound	F61771-4 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		30.5	24.4	80	24.7	81	1	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61771-4	Limits
460-00-4	4-Bromofluorobenzene	98%	96%	89%	56-136%
98-08-8	aaa-Trifluorotoluene	94%	84%	77%	61-121%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61737
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27247-MB	YY10333.D	1	12/04/08	NY	11/24/08	OP27247	GYY372

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61737-1, F61737-2, F61737-3, F61737-4

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	79%	49-108%

Method Blank Summary

Job Number: F61737
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27247-MB	LL24386.D	1	12/08/08	NY	11/24/08	OP27247	GLL909

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61737-1, F61737-2, F61737-3, F61737-4

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	82%	49-108%

Blank Spike Summary

Job Number: F61737
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27247-BS	YY10332.D	1	12/04/08	NY	11/24/08	OP27247	GYY372

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61737-1, F61737-2, F61737-3, F61737-4

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	28.4	85	64-102
	TPH (> C22-C36)	33.3	33.7	101	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	85%	49-108%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61737
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27247-MS	YY10356.D	1	12/05/08	NY	11/24/08	OP27247	GYY372
OP27247-MSD	YY10357.D	1	12/05/08	NY	11/24/08	OP27247	GYY372
F61737-1	YY10352.D	1	12/04/08	NY	11/24/08	OP27247	GYY372

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61737-1, F61737-2, F61737-3, F61737-4

CAS No.	Compound	F61737-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		41.7	37.3	89	36.2	86	3	64-102/32
	TPH (> C22-C36)	ND		41.7	45.7	110	43.9	105	4	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F61737-1	Limits
84-15-1	o-Terphenyl	92%	87%	100%	49-108%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/15/08

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F61770

Sampling Date: 11/24/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **90**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Note: This report is password protected to disallow document modification or assembly.
A password to unlock this report is available from your client service representative.

Sections: 1 2 3 4 5 6 7

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **7**
3.1: F61770-1: SS61-SB26-19 8
3.2: F61770-2: SS61-SB26-24 13
3.3: F61770-3: SS61-SB26-24-a 18
3.4: F61770-4: SS61-SB26-40 23
3.5: F61770-5: SS61-SB27-20 28
3.6: F61770-6: SS61-SB27-28 33
3.7: F61770-7: SS61-SB27-35 38
3.8: F61770-8: TRIP BLANK 43
Section 4: Misc. Forms **46**
4.1: Chain of Custody 47
Section 5: GC/MS Volatiles - QC Data Summaries **49**
5.1: Method Blank Summary 50
5.2: Blank Spike Summary 59
5.3: Matrix Spike/Matrix Spike Duplicate Summary 68
Section 6: GC Volatiles - QC Data Summaries **77**
6.1: Method Blank Summary 78
6.2: Blank Spike Summary 80
6.3: Matrix Spike/Matrix Spike Duplicate Summary 82
Section 7: GC Semi-volatiles - QC Data Summaries **84**
7.1: Method Blank Summary 85
7.2: Blank Spike Summary 87
7.3: Matrix Spike/Matrix Spike Duplicate Summary 89

Sample Summary

North Wind, Inc

Job No: F61770

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F61770-1	11/24/08	08:30	ZB	11/25/08	SO	Soil	SS61-SB26-19
F61770-2	11/24/08	08:45	ZB	11/25/08	SO	Soil	SS61-SB26-24
F61770-3	11/24/08	08:45	ZB	11/25/08	SO	Soil	SS61-SB26-24-a
F61770-4	11/24/08	09:00	ZB	11/25/08	SO	Soil	SS61-SB26-40
F61770-5	11/24/08	10:30	ZB	11/25/08	SO	Soil	SS61-SB27-20
F61770-6	11/24/08	10:45	ZB	11/25/08	SO	Soil	SS61-SB27-28
F61770-7	11/24/08	11:00	ZB	11/25/08	SO	Soil	SS61-SB27-35
F61770-8	11/24/08	00:00	ZB	11/25/08	SO	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F61770

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/15/2008 3:52:31

7 Samples, 1 Trip Blank were collected on 11/24/2008 and received at Accutest on 11/25/2008 properly preserved, at 2.8 Deg. C and intact. These Samples received an Accutest job number of F61770. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2065

All samples were analyzed within the recommended method holding time.

Sample(s) F61770-1MS, F61770-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2-Dibromoethane, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Acrolein, Benzyl Chloride, cis-1,4-Dichloro-2-Butene, Ethyl methacrylate, Methacrylonitrile, Methyl methacrylate, Naphthalene, Propionitrile, Trans-1,4-Dichloro-2-Butene are outside control limits. Biased low, reported data considered minimum values.

Matrix Spike Recovery(s) for 2,2-Dichloropropane, Acetone, Acrolein, Benzyl Chloride, Chloroethane, Ethyl methacrylate, Methyl bromide, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,2,3-Trichlorobenzene, 2,2-Dichloropropane, Acetone, Acrolein, Benzyl Chloride, Ethyl methacrylate, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

RPD(s) for MSD for 1,2,3-Trichlorobenzene, Naphthalene are outside control limits for sample F61770-1MSD. Probable cause due to sample homogeneity.

F61770-3 for Methylene chloride: Suspected laboratory contaminant.

F61770-2 for Naphthalene: I-Cal not valid for this compound.

F61770-6 for Methylene chloride: Suspected laboratory contaminant.

Matrix: SO **Batch ID:** VG2066

All samples were analyzed within the recommended method holding time.

Sample(s) F61816-1MS, F61816-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for 2-Hexanone, Acetone, Acrolein, Dibromochloromethane, Ethyl methacrylate, Methacrylonitrile, Methyl ethyl ketone, Methyl methacrylate, Propionitrile, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for 1-Chlorohexane, Acetone, Acrolein, Benzyl Chloride, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1-Chlorohexane, Acetone, Acrolein, Benzyl Chloride, Hexachlorobutadiene, Methyl ethyl ketone, Naphthalene, Trans-1,4-Dichloro-2-Butene are outside control limits. Probable cause due to matrix interference.

RPD(s) for MSD for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Acetone, Freon 113, Naphthalene are outside control limits for sample F61816-1MSD. Probable cause due to sample homogeneity.

Matrix: SO **Batch ID:** VG2067

All method blanks for this batch meet method specific criteria.

Sample(s) F61902-1MS, F61902-1MSD were used as the QC samples indicated.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2067

The following samples were run outside of holding time for method SW846 8260B: F61770-6

Matrix: SO **Batch ID:** VG2071

All method blanks for this batch meet method specific criteria.

Sample(s) F61975-4MS, F61975-4MSD were used as the QC samples indicated.

The following samples were run outside of holding time for method SW846 8260B: F61770-2 Sample re-analyzed beyond hold time; reported results are considered minimum values.

F61770-2: Sample re-analyzed beyond hold time; reported results are considered minimum values.

Matrix: SO **Batch ID:** VK1729

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GQR1960

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61772-10MS, F61772-10MSD were used as the QC samples indicated.

Sample(s) F61770-2, F61770-3, F61770-2 have surrogates outside control limits. Probable cause due to matrix interference.

F61770-7: Confirmation run.

F61770-6: Confirmation run.

F61770-2: Confirmation run.

F61770-3: Confirmation run.

F61770-2 for 4-Bromofluorobenzene: Outside control limits due to matrix interference.

F61770-3 for aaa-Trifluorotoluene: Outside control limits due to matrix interference.

F61770-3 for 4-Bromofluorobenzene: Outside control limits due to matrix interference.

F61770-2 for aaa-Trifluorotoluene: Outside control limits due to matrix interference.

F61770-2 for 4-Bromofluorobenzene: Result reported from PID.

Matrix: SO **Batch ID:** GQR1962

All method blanks for this batch meet method specific criteria.

Sample(s) F61770-7MS, F61770-7MSD were used as the QC samples indicated.

The following samples were run outside of holding time for method SW846 8015: F61770-2, F61770-3, F61770-6, F61770-7 Sample re-analyzed beyond hold time; reported results are considered minimum values.

Sample(s) F61770-2, F61770-3, F61770-2 have surrogates outside control limits. Probable cause due to matrix interference.

F61770-2: Sample re-analyzed beyond hold time; reported results are considered minimum values.

F61770-7: Sample re-analyzed beyond hold time; reported results are considered minimum values.

F61770-6: Sample re-analyzed beyond hold time; reported results are considered minimum values.

F61770-3: Sample re-analyzed beyond hold time; reported results are considered minimum values.

F61770-3 for aaa-Trifluorotoluene: Result reported from PID.

F61770-3 for aaa-Trifluorotoluene: Outside control limits due to matrix interference.

F61770-2 for aaa-Trifluorotoluene: Outside control limits due to matrix interference.

F61770-2 for aaa-Trifluorotoluene: Result reported from PID.

Extractables by GC By Method SW846 8015 M

Matrix: SO **Batch ID:** OP27307

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61771-4MS, F61771-4MSD were used as the QC samples indicated.

Matrix: SO **Batch ID:** OP27313

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F61816-3MS, F61816-3MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Wet Chemistry By Method SM19 2540B M

Matrix: SO **Batch ID:** GN32962

Sample(s) F61770-1DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____

Svetlana Izosimova, QAO (signature on file)

Date: December 15, 2008

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-SB26-19		
Lab Sample ID:	F61770-1	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	78.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054627.D	1	12/05/08	MM	11/25/08 14:47	n/a	VG2065
Run #2							

	Initial Weight
Run #1	5.84 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	54	27	ug/kg	
75-05-8	Acetonitrile	ND	54	17	ug/kg	
107-02-8	Acrolein	ND	27	11	ug/kg	
107-13-1	Acrylonitrile	ND	27	7.5	ug/kg	
107-05-1	Allyl chloride	ND	27	5.4	ug/kg	
71-43-2	Benzene	5.6	5.4	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.4	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.4	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.4	1.8	ug/kg	
75-27-4	Bromodichloromethane	ND	5.4	1.3	ug/kg	
75-25-2	Bromoform	ND	5.4	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	5.4	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.4	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.4	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.4	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.4	2.2	ug/kg	
67-66-3	Chloroform	ND	5.4	1.8	ug/kg	
544-10-5	1-Chlorohexane	ND	5.4	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.4	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.4	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	27	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.4	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.4	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.4	2.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.4	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.4	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.4	2.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.4	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.4	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.4	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.4	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.4	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB26-19		
Lab Sample ID:	F61770-1	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	78.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.4	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.4	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.4	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.4	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	27	5.4	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.4	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.4	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.4	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.4	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.4	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.4	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	27	5.4	ug/kg	
76-13-1	Freon 113	ND	5.4	2.8	ug/kg	
591-78-6	2-Hexanone	ND	27	5.4	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.4	1.3	ug/kg	
110-54-3	Hexane	ND	5.4	2.6	ug/kg	
98-82-8	Isopropylbenzene	2.8	5.4	1.2	ug/kg	J
99-87-6	p-Isopropyltoluene	ND	5.4	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	27	7.0	ug/kg	
126-98-7	Methacrylonitrile	ND	27	6.0	ug/kg	
74-83-9	Methyl bromide	ND	5.4	2.4	ug/kg	
74-87-3	Methyl chloride	ND	5.4	2.6	ug/kg	
74-88-4	Methyl iodide	ND	11	2.2	ug/kg	
80-62-6	Methyl methacrylate	ND	27	5.4	ug/kg	
74-95-3	Methylene bromide	ND	5.4	1.6	ug/kg	
75-09-2	Methylene chloride	ND	11	5.4	ug/kg	
78-93-3	Methyl ethyl ketone	ND	27	9.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.4	1.6	ug/kg	
91-20-3	Naphthalene	ND	5.4	2.2	ug/kg	
76-01-7	Pentachloroethane	ND	27	5.4	ug/kg	
107-12-0	Propionitrile	ND	54	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.4	1.3	ug/kg	
100-42-5	Styrene	ND	5.4	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.4	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.4	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.4	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.4	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.4	2.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.4	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.4	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB26-19		
Lab Sample ID:	F61770-1	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	78.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.4	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.4	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.4	1.3	ug/kg	
108-88-3	Toluene	ND	5.4	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.4	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.4	2.2	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	27	5.4	ug/kg	
75-01-4	Vinyl chloride	ND	5.4	2.2	ug/kg	
108-05-4	Vinyl Acetate	ND	27	13	ug/kg	
	m,p-Xylene	ND	11	2.1	ug/kg	
95-47-6	o-Xylene	ND	5.4	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		80-121%
2037-26-5	Toluene-D8	86%		71-130%
460-00-4	4-Bromofluorobenzene	101%		59-148%
17060-07-0	1,2-Dichloroethane-D4	117%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB26-19		
Lab Sample ID:	F61770-1	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	78.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045059.D	1	12/07/08	AH	11/25/08 14:47	n/a	GQR1960
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.53 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.1	3.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	72%		56-136%
98-08-8	aaa-Trifluorotoluene	78%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB26-19		
Lab Sample ID:	F61770-1	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	78.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24348.D	1	12/05/08	NY	12/02/08	OP27307	GLL908
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	11	6.3	mg/kg	
	TPH (> C22-C36)	ND	11	6.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	83%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB26-24		
Lab Sample ID:	F61770-2	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054630.D	1	12/05/08	MM	11/25/08 14:47	n/a	VG2065
Run #2 [a]	G0054812.D	1	12/12/08	MM	11/25/08 14:47	n/a	VG2071
Run #3	K039536.D	1	12/08/08	SH	11/25/08 14:47	n/a	VK1729

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.69 g		
Run #2	5.65 g	5.0 ml	100 ul
Run #3	5.94 g		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	52	26	ug/kg	
75-05-8	Acetonitrile	ND	52	17	ug/kg	
107-02-8	Acrolein	ND	26	10	ug/kg	
107-13-1	Acrylonitrile	ND	26	7.2	ug/kg	
107-05-1	Allyl chloride	ND	26	5.2	ug/kg	
71-43-2	Benzene	92.2	5.2	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.2	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.2	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.2	1.8	ug/kg	
75-27-4	Bromodichloromethane	ND	5.2	1.3	ug/kg	
75-25-2	Bromoform	ND	5.2	1.6	ug/kg	
104-51-8	n-Butylbenzene	2.2	5.2	1.5	ug/kg	J
135-98-8	sec-Butylbenzene	47.3	5.2	1.2	ug/kg	
98-06-6	tert-Butylbenzene	20.4	5.2	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.2	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.2	2.1	ug/kg	
67-66-3	Chloroform	ND	5.2	1.8	ug/kg	
544-10-5	1-Chlorohexane	ND	5.2	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.2	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.2	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	26	10	ug/kg	
75-15-0	Carbon disulfide	4.1	5.2	1.2	ug/kg	J
56-23-5	Carbon tetrachloride	ND	5.2	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.2	2.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.2	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.2	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.2	2.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.2	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.2	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.2	1.5	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB26-24		
Lab Sample ID:	F61770-2	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	5.2	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.2	2.2	ug/kg	
124-48-1	Dibromochloromethane	ND	5.2	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.2	2.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.2	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.2	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	26	5.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.2	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.2	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.2	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.2	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.2	1.0	ug/kg	
100-41-4	Ethylbenzene	79.0	5.2	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	26	5.2	ug/kg	
76-13-1	Freon 113	ND	5.2	2.7	ug/kg	
591-78-6	2-Hexanone	ND	26	5.2	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.2	1.3	ug/kg	
110-54-3	Hexane	192	5.2	2.5	ug/kg	
98-82-8	Isopropylbenzene	7740 [b]	310	69	ug/kg	
99-87-6	p-Isopropyltoluene	3.9	5.2	1.2	ug/kg	J
108-10-1	4-Methyl-2-pentanone	ND	26	6.7	ug/kg	
126-98-7	Methacrylonitrile	ND	26	5.8	ug/kg	
74-83-9	Methyl bromide	ND	5.2	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.2	2.5	ug/kg	
74-88-4	Methyl iodide	ND	10	2.1	ug/kg	
80-62-6	Methyl methacrylate	ND	26	5.2	ug/kg	
74-95-3	Methylene bromide	ND	5.2	1.6	ug/kg	
75-09-2	Methylene chloride	ND	10	5.2	ug/kg	
78-93-3	Methyl ethyl ketone	ND	26	8.7	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.2	1.6	ug/kg	
91-20-3	Naphthalene [c]	2.8	5.2	2.1	ug/kg	J
76-01-7	Pentachloroethane	ND	26	5.2	ug/kg	
107-12-0	Propionitrile	ND	52	13	ug/kg	
103-65-1	n-Propylbenzene	25.3	5.2	1.3	ug/kg	
100-42-5	Styrene	ND	5.2	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.2	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.2	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.2	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.2	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.2	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB26-24		
Lab Sample ID:	F61770-2	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-18-4	1,2,3-Trichloropropane	ND	5.2	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.2	2.1	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	171	5.2	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	99.7	5.2	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.2	1.3	ug/kg	
108-88-3	Toluene	12.8	5.2	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.2	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.2	2.1	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	26	5.2	ug/kg	
75-01-4	Vinyl chloride	ND	5.2	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	26	13	ug/kg	
	m,p-Xylene	157	10	2.0	ug/kg	
95-47-6	o-Xylene	33.7	5.2	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
1868-53-7	Dibromofluoromethane	102%	92%	99%	80-121%
2037-26-5	Toluene-D8	96%	95%	108%	71-130%
460-00-4	4-Bromofluorobenzene	98%	96%	102%	59-148%
17060-07-0	1,2-Dichloroethane-D4	114%	97%	87%	77-123%

(a) Sample re-analyzed beyond hold time; reported results are considered minimum values.
(b) Result is from Run# 2
(c) I-Cal not valid for this compound.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB26-24		
Lab Sample ID:	F61770-2	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	83.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	QR045106.D	1	12/09/08	AH	11/25/08 14:47	n/a	GQR1962
Run #2 [b]	QR045060.D	1	12/07/08	AH	11/25/08 14:47	n/a	GQR1960

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.65 g	5.0 ml	25.0 ul
Run #2	5.65 g	5.0 ml	100 ul

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	92.6	25	12	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene		105% [c]	56-136%
460-00-4	4-Bromofluorobenzene	84%	153% [d]	56-136%
98-08-8	aaa-Trifluorotoluene	114% [c]		61-121%
98-08-8	aaa-Trifluorotoluene	146% [d]	330% [d]	61-121%

(a) Sample re-analyzed beyond hold time; reported results are considered minimum values.
(b) Confirmation run.
(c) Result reported from PID.
(d) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB26-24		
Lab Sample ID:	F61770-2	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	83.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24376.D	1	12/05/08	NY	12/02/08	OP27307	GLL908
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.9	5.9	mg/kg	
	TPH (> C22-C36)	ND	9.9	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	82%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB26-24-a		
Lab Sample ID:	F61770-3	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	73.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054631.D	1	12/05/08	MM	11/25/08 14:47	n/a	VG2065
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.72 g	5.0 ml	100 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3900	1900	ug/kg	
75-05-8	Acetonitrile	ND	3900	1200	ug/kg	
107-02-8	Acrolein	ND	1900	760	ug/kg	
107-13-1	Acrylonitrile	ND	1900	530	ug/kg	
107-05-1	Allyl chloride	ND	1900	390	ug/kg	
71-43-2	Benzene	217	390	77	ug/kg	J
100-44-7	Benzyl Chloride	ND	390	85	ug/kg	
108-86-1	Bromobenzene	ND	390	77	ug/kg	
74-97-5	Bromochloromethane	ND	390	130	ug/kg	
75-27-4	Bromodichloromethane	ND	390	93	ug/kg	
75-25-2	Bromoform	ND	390	120	ug/kg	
104-51-8	n-Butylbenzene	ND	390	110	ug/kg	
135-98-8	sec-Butylbenzene	379	390	85	ug/kg	J
98-06-6	tert-Butylbenzene	155	390	85	ug/kg	J
108-90-7	Chlorobenzene	ND	390	77	ug/kg	
75-00-3	Chloroethane	ND	390	150	ug/kg	
67-66-3	Chloroform	ND	390	130	ug/kg	
544-10-5	1-Chlorohexane	ND	390	100	ug/kg	
95-49-8	o-Chlorotoluene	ND	390	77	ug/kg	
106-43-4	p-Chlorotoluene	ND	390	77	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1900	770	ug/kg	
75-15-0	Carbon disulfide	ND	390	85	ug/kg	
56-23-5	Carbon tetrachloride	ND	390	110	ug/kg	
75-34-3	1,1-Dichloroethane	ND	390	150	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	390	100	ug/kg	
563-58-6	1,1-Dichloropropene	ND	390	110	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	390	190	ug/kg	
106-93-4	1,2-Dibromoethane	ND	390	77	ug/kg	
107-06-2	1,2-Dichloroethane	ND	390	85	ug/kg	
78-87-5	1,2-Dichloropropane	ND	390	110	ug/kg	
142-28-9	1,3-Dichloropropane	ND	390	77	ug/kg	
594-20-7	2,2-Dichloropropane	ND	390	160	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB26-24-a		
Lab Sample ID:	F61770-3	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	73.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	390	77	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	390	150	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	390	120	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	390	100	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	1900	390	ug/kg	
541-73-1	m-Dichlorobenzene	ND	390	77	ug/kg	
95-50-1	o-Dichlorobenzene	ND	390	77	ug/kg	
106-46-7	p-Dichlorobenzene	ND	390	77	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	390	93	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	390	77	ug/kg	
100-41-4	Ethylbenzene	ND	390	77	ug/kg	
97-63-2	Ethyl methacrylate	ND	1900	390	ug/kg	
76-13-1	Freon 113	ND	390	200	ug/kg	
591-78-6	2-Hexanone	ND	1900	390	ug/kg	
87-68-3	Hexachlorobutadiene	ND	390	93	ug/kg	
110-54-3	Hexane	1300	390	190	ug/kg	
98-82-8	Isopropylbenzene	9130	390	85	ug/kg	
99-87-6	p-Isopropyltoluene	ND	390	85	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1900	490	ug/kg	
126-98-7	Methacrylonitrile	ND	1900	430	ug/kg	
74-83-9	Methyl bromide	ND	390	170	ug/kg	
74-87-3	Methyl chloride	ND	390	190	ug/kg	
74-88-4	Methyl iodide	ND	770	150	ug/kg	
80-62-6	Methyl methacrylate	ND	1900	390	ug/kg	
74-95-3	Methylene bromide	ND	390	120	ug/kg	
75-09-2	Methylene chloride [a]	1230	770	390	ug/kg	
78-93-3	Methyl ethyl ketone	ND	1900	640	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	390	120	ug/kg	
91-20-3	Naphthalene	ND	390	150	ug/kg	
76-01-7	Pentachloroethane	ND	1900	390	ug/kg	
107-12-0	Propionitrile	ND	3900	930	ug/kg	
103-65-1	n-Propylbenzene	224	390	93	ug/kg	J
100-42-5	Styrene	ND	390	77	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	390	77	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	390	85	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	390	140	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	390	77	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	390	150	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	390	150	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	390	150	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB26-24-a		
Lab Sample ID:	F61770-3	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	73.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	1960	390	77	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	940	390	77	ug/kg	
127-18-4	Tetrachloroethylene	ND	390	93	ug/kg	
108-88-3	Toluene	192	390	77	ug/kg	J
79-01-6	Trichloroethylene	ND	390	93	ug/kg	
75-69-4	Trichlorofluoromethane	ND	390	150	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	1900	390	ug/kg	
75-01-4	Vinyl chloride	ND	390	150	ug/kg	
108-05-4	Vinyl Acetate	ND	1900	930	ug/kg	
	m,p-Xylene	3290	770	150	ug/kg	
95-47-6	o-Xylene	1200	390	77	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-121%
2037-26-5	Toluene-D8	87%		71-130%
460-00-4	4-Bromofluorobenzene	101%		59-148%
17060-07-0	1,2-Dichloroethane-D4	111%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB26-24-a		
Lab Sample ID:	F61770-3	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	73.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	QR045107.D	1	12/09/08	AH	11/25/08 14:47	n/a	GQR1962
Run #2 [b]	QR045061.D	1	12/07/08	AH	11/25/08 14:47	n/a	GQR1960

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.72 g	5.0 ml	25.0 ul
Run #2	5.72 g	5.0 ml	100 ul

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	135	31	15	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	99%	165% [c]	56-136%
98-08-8	aaa-Trifluorotoluene	116% [d]		61-121%
98-08-8	aaa-Trifluorotoluene	148% [c]	339% [c]	61-121%

(a) Sample re-analyzed beyond hold time; reported results are considered minimum values.
(b) Confirmation run.
(c) Outside control limits due to matrix interference.
(d) Result reported from PID.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB26-24-a		
Lab Sample ID:	F61770-3	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	73.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24377.D	1	12/05/08	NY	12/02/08	OP27307	GLL908
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	11	6.8	mg/kg	
	TPH (> C22-C36)	ND	11	6.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	73%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB26-40		
Lab Sample ID:	F61770-4	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054632.D	1	12/05/08	MM	11/25/08 15:30	n/a	VG2065
Run #2							

	Initial Weight
Run #1	5.21 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	55	27	ug/kg	
75-05-8	Acetonitrile	ND	55	17	ug/kg	
107-02-8	Acrolein	ND	27	11	ug/kg	
107-13-1	Acrylonitrile	ND	27	7.5	ug/kg	
107-05-1	Allyl chloride	ND	27	5.5	ug/kg	
71-43-2	Benzene	ND	5.5	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.5	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.5	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.5	1.9	ug/kg	
75-27-4	Bromodichloromethane	ND	5.5	1.3	ug/kg	
75-25-2	Bromoform	ND	5.5	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	5.5	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.5	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.5	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.5	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.5	2.2	ug/kg	
67-66-3	Chloroform	ND	5.5	1.9	ug/kg	
544-10-5	1-Chlorohexane	ND	5.5	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.5	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.5	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	27	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.5	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.5	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.5	2.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.5	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.5	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.5	2.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.5	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	4.5	5.5	1.2	ug/kg	J
78-87-5	1,2-Dichloropropane	ND	5.5	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.5	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.5	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB26-40		
Lab Sample ID:	F61770-4	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.5	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.5	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.5	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.5	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	27	5.5	ug/kg	
541-73-1	m-Dichlorobenzene	1.2	5.5	1.1	ug/kg	J
95-50-1	o-Dichlorobenzene	4.2	5.5	1.1	ug/kg	J
106-46-7	p-Dichlorobenzene	1.6	5.5	1.1	ug/kg	J
156-60-5	trans-1,2-Dichloroethylene	ND	5.5	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.5	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.5	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	27	5.5	ug/kg	
76-13-1	Freon 113	ND	5.5	2.8	ug/kg	
591-78-6	2-Hexanone	ND	27	5.5	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.5	1.3	ug/kg	
110-54-3	Hexane	ND	5.5	2.6	ug/kg	
98-82-8	Isopropylbenzene	ND	5.5	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.5	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	27	7.0	ug/kg	
126-98-7	Methacrylonitrile	ND	27	6.0	ug/kg	
74-83-9	Methyl bromide	ND	5.5	2.4	ug/kg	
74-87-3	Methyl chloride	ND	5.5	2.6	ug/kg	
74-88-4	Methyl iodide	ND	11	2.2	ug/kg	
80-62-6	Methyl methacrylate	ND	27	5.5	ug/kg	
74-95-3	Methylene bromide	ND	5.5	1.6	ug/kg	
75-09-2	Methylene chloride	ND	11	5.5	ug/kg	
78-93-3	Methyl ethyl ketone	ND	27	9.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.5	1.6	ug/kg	
91-20-3	Naphthalene	ND	5.5	2.2	ug/kg	
76-01-7	Pentachloroethane	ND	27	5.5	ug/kg	
107-12-0	Propionitrile	ND	55	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.5	1.3	ug/kg	
100-42-5	Styrene	ND	5.5	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.5	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.5	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.5	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.5	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.5	2.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.5	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.5	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB26-40		
Lab Sample ID:	F61770-4	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.5	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.5	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.5	1.3	ug/kg	
108-88-3	Toluene	ND	5.5	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.5	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.5	2.2	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	27	5.5	ug/kg	
75-01-4	Vinyl chloride	ND	5.5	2.2	ug/kg	
108-05-4	Vinyl Acetate	ND	27	13	ug/kg	
	m,p-Xylene	ND	11	2.1	ug/kg	
95-47-6	o-Xylene	ND	5.5	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-121%
2037-26-5	Toluene-D8	88%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	107%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB26-40		
Lab Sample ID:	F61770-4	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	87.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045062.D	1	12/07/08	AH	11/25/08 15:30	n/a	GQR1960
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.31 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.1	3.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	75%		56-136%
98-08-8	aaa-Trifluorotoluene	75%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB26-40		
Lab Sample ID:	F61770-4	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	87.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24351.D	1	12/05/08	NY	12/02/08	OP27307	GLL908
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.5	5.7	mg/kg	
	TPH (> C22-C36)	ND	9.5	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	87%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB27-20		
Lab Sample ID:	F61770-5	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054633.D	1	12/05/08	MM	11/25/08 15:30	n/a	VG2065
Run #2							

	Initial Weight
Run #1	5.91 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	51	26	ug/kg	
75-05-8	Acetonitrile	ND	51	16	ug/kg	
107-02-8	Acrolein	ND	26	10	ug/kg	
107-13-1	Acrylonitrile	ND	26	7.1	ug/kg	
107-05-1	Allyl chloride	ND	26	5.1	ug/kg	
71-43-2	Benzene	46.6	5.1	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.1	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.1	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.1	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.1	1.2	ug/kg	
75-25-2	Bromoform	ND	5.1	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.1	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.1	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.1	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.1	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.1	2.1	ug/kg	
67-66-3	Chloroform	ND	5.1	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.1	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.1	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.1	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	26	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.1	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.1	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.1	2.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.1	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.1	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.1	2.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.1	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	1.6	5.1	1.1	ug/kg	J
78-87-5	1,2-Dichloropropane	ND	5.1	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.1	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.1	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB27-20		
Lab Sample ID:	F61770-5	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.1	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.1	2.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.1	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.1	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	26	5.1	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.1	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.1	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.1	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.1	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.1	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.1	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	26	5.1	ug/kg	
76-13-1	Freon 113	ND	5.1	2.7	ug/kg	
591-78-6	2-Hexanone	ND	26	5.1	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.1	1.2	ug/kg	
110-54-3	Hexane	ND	5.1	2.5	ug/kg	
98-82-8	Isopropylbenzene	3.3	5.1	1.1	ug/kg	J
99-87-6	p-Isopropyltoluene	ND	5.1	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	26	6.6	ug/kg	
126-98-7	Methacrylonitrile	ND	26	5.6	ug/kg	
74-83-9	Methyl bromide	ND	5.1	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.1	2.5	ug/kg	
74-88-4	Methyl iodide	ND	10	2.1	ug/kg	
80-62-6	Methyl methacrylate	ND	26	5.1	ug/kg	
74-95-3	Methylene bromide	ND	5.1	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.1	ug/kg	
78-93-3	Methyl ethyl ketone	ND	26	8.5	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.1	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.1	2.1	ug/kg	
76-01-7	Pentachloroethane	ND	26	5.1	ug/kg	
107-12-0	Propionitrile	ND	51	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.1	1.2	ug/kg	
100-42-5	Styrene	ND	5.1	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.1	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.1	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.1	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.1	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.1	2.1	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.1	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.1	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB27-20		
Lab Sample ID:	F61770-5	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.1	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.1	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.1	1.2	ug/kg	
108-88-3	Toluene	ND	5.1	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.1	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.1	2.1	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	26	5.1	ug/kg	
75-01-4	Vinyl chloride	ND	5.1	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	26	12	ug/kg	
	m,p-Xylene	ND	10	2.0	ug/kg	
95-47-6	o-Xylene	ND	5.1	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-121%
2037-26-5	Toluene-D8	86%		71-130%
460-00-4	4-Bromofluorobenzene	103%		59-148%
17060-07-0	1,2-Dichloroethane-D4	108%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB27-20		
Lab Sample ID:	F61770-5	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	82.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045063.D	1	12/07/08	AH	11/25/08 15:30	n/a	GQR1960
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.85 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.3	3.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	77%		56-136%
98-08-8	aaa-Trifluorotoluene	77%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB27-20		
Lab Sample ID:	F61770-5	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	82.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24352.D	1	12/05/08	NY	12/02/08	OP27307	GLL908
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.1	mg/kg	
	TPH (> C22-C36)	ND	10	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	92%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB27-28		
Lab Sample ID:	F61770-6	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	78.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054634.D	1	12/05/08	MM	11/25/08 15:30	n/a	VG2065
Run #2	G0054701.D	1	12/08/08	MM	11/25/08 15:30	n/a	VG2067

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.91 g	5.0 ml	100 ul
Run #2	5.91 g	5.0 ml	50.0 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3400	1700	ug/kg	
75-05-8	Acetonitrile	ND	3400	1100	ug/kg	
107-02-8	Acrolein	ND	1700	670	ug/kg	
107-13-1	Acrylonitrile	ND	1700	470	ug/kg	
107-05-1	Allyl chloride	ND	1700	340	ug/kg	
71-43-2	Benzene	1370	340	68	ug/kg	
100-44-7	Benzyl Chloride	ND	340	75	ug/kg	
108-86-1	Bromobenzene	ND	340	68	ug/kg	
74-97-5	Bromochloromethane	ND	340	120	ug/kg	
75-27-4	Bromodichloromethane	ND	340	81	ug/kg	
75-25-2	Bromoform	ND	340	100	ug/kg	
104-51-8	n-Butylbenzene	ND	340	95	ug/kg	
135-98-8	sec-Butylbenzene	339	340	75	ug/kg	J
98-06-6	tert-Butylbenzene	135	340	75	ug/kg	J
108-90-7	Chlorobenzene	ND	340	68	ug/kg	
75-00-3	Chloroethane	ND	340	140	ug/kg	
67-66-3	Chloroform	ND	340	120	ug/kg	
544-10-5	1-Chlorohexane	ND	340	88	ug/kg	
95-49-8	o-Chlorotoluene	ND	340	68	ug/kg	
106-43-4	p-Chlorotoluene	ND	340	68	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1700	680	ug/kg	
75-15-0	Carbon disulfide	ND	340	75	ug/kg	
56-23-5	Carbon tetrachloride	ND	340	95	ug/kg	
75-34-3	1,1-Dichloroethane	ND	340	140	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	340	88	ug/kg	
563-58-6	1,1-Dichloropropene	ND	340	95	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	340	160	ug/kg	
106-93-4	1,2-Dibromoethane	ND	340	68	ug/kg	
107-06-2	1,2-Dichloroethane	ND	340	75	ug/kg	
78-87-5	1,2-Dichloropropane	ND	340	95	ug/kg	
142-28-9	1,3-Dichloropropane	ND	340	68	ug/kg	
594-20-7	2,2-Dichloropropane	ND	340	140	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB27-28		
Lab Sample ID:	F61770-6	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	78.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	340	68	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	340	140	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	340	110	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	340	88	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	1700	340	ug/kg	
541-73-1	m-Dichlorobenzene	ND	340	68	ug/kg	
95-50-1	o-Dichlorobenzene	ND	340	68	ug/kg	
106-46-7	p-Dichlorobenzene	ND	340	68	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	340	81	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	340	68	ug/kg	
100-41-4	Ethylbenzene	7320	340	68	ug/kg	
97-63-2	Ethyl methacrylate	ND	1700	340	ug/kg	
76-13-1	Freon 113	ND	340	180	ug/kg	
591-78-6	2-Hexanone	ND	1700	340	ug/kg	
87-68-3	Hexachlorobutadiene	ND	340	81	ug/kg	
110-54-3	Hexane	ND	340	160	ug/kg	
98-82-8	Isopropylbenzene	16200 [a]	680	150	ug/kg	
99-87-6	p-Isopropyltoluene	ND	340	75	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1700	430	ug/kg	
126-98-7	Methacrylonitrile	ND	1700	370	ug/kg	
74-83-9	Methyl bromide	ND	340	150	ug/kg	
74-87-3	Methyl chloride	ND	340	160	ug/kg	
74-88-4	Methyl iodide	ND	680	140	ug/kg	
80-62-6	Methyl methacrylate	ND	1700	340	ug/kg	
74-95-3	Methylene bromide	ND	340	100	ug/kg	
75-09-2	Methylene chloride [b]	1280	680	340	ug/kg	
78-93-3	Methyl ethyl ketone	ND	1700	560	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	340	100	ug/kg	
91-20-3	Naphthalene	ND	340	140	ug/kg	
76-01-7	Pentachloroethane	ND	1700	340	ug/kg	
107-12-0	Propionitrile	ND	3400	810	ug/kg	
103-65-1	n-Propylbenzene	1810	340	81	ug/kg	
100-42-5	Styrene	ND	340	68	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	340	68	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	340	75	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	340	120	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	340	68	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	340	140	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	340	130	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	340	140	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB27-28		
Lab Sample ID:	F61770-6	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	78.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	340	68	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	340	68	ug/kg	
127-18-4	Tetrachloroethylene	ND	340	81	ug/kg	
108-88-3	Toluene	ND	340	68	ug/kg	
79-01-6	Trichloroethylene	ND	340	81	ug/kg	
75-69-4	Trichlorofluoromethane	ND	340	140	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	1700	340	ug/kg	
75-01-4	Vinyl chloride	ND	340	140	ug/kg	
108-05-4	Vinyl Acetate	ND	1700	810	ug/kg	
	m,p-Xylene	ND	680	130	ug/kg	
95-47-6	o-Xylene	ND	340	68	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%	99%	80-121%
2037-26-5	Toluene-D8	100%	96%	71-130%
460-00-4	4-Bromofluorobenzene	95%	93%	59-148%
17060-07-0	1,2-Dichloroethane-D4	108%	103%	77-123%

(a) Result is from Run# 2
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB27-28		
Lab Sample ID:	F61770-6	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	78.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	QR045108.D	1	12/09/08	AH	11/25/08 15:30	n/a	GQR1962
Run #2 [b]	QR045064.D	1	12/07/08	AH	11/25/08 15:30	n/a	GQR1960

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.91 g	5.0 ml	5.0 ul
Run #2	5.91 g	5.0 ml	10.0 ul

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	751	140	68	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	110%	97%	56-136%
98-08-8	aaa-Trifluorotoluene	104%	96%	61-121%

(a) Sample re-analyzed beyond hold time; reported results are considered minimum values.
(b) Confirmation run.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB27-28		
Lab Sample ID:	F61770-6	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	78.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24320.D	1	12/04/08	NY	12/03/08	OP27313	GLL908
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	11	6.4	mg/kg	
	TPH (> C22-C36)	ND	11	6.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	82%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB27-35		
Lab Sample ID:	F61770-7	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	77.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054635.D	1	12/05/08	MM	11/25/08 15:30	n/a	VG2065
Run #2							

	Initial Weight
Run #1	5.60 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	58	29	ug/kg	
75-05-8	Acetonitrile	ND	58	18	ug/kg	
107-02-8	Acrolein	ND	29	11	ug/kg	
107-13-1	Acrylonitrile	ND	29	7.9	ug/kg	
107-05-1	Allyl chloride	ND	29	5.8	ug/kg	
71-43-2	Benzene	1.9	5.8	1.2	ug/kg	J
100-44-7	Benzyl Chloride	ND	5.8	1.3	ug/kg	
108-86-1	Bromobenzene	ND	5.8	1.2	ug/kg	
74-97-5	Bromochloromethane	ND	5.8	2.0	ug/kg	
75-27-4	Bromodichloromethane	ND	5.8	1.4	ug/kg	
75-25-2	Bromoform	ND	5.8	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	5.8	1.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.8	1.3	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.8	1.3	ug/kg	
108-90-7	Chlorobenzene	ND	5.8	1.2	ug/kg	
75-00-3	Chloroethane	ND	5.8	2.3	ug/kg	
67-66-3	Chloroform	ND	5.8	2.0	ug/kg	
544-10-5	1-Chlorohexane	ND	5.8	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.8	1.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.8	1.2	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	29	12	ug/kg	
75-15-0	Carbon disulfide	ND	5.8	1.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.8	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.8	2.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.8	1.5	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.8	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.8	2.8	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.8	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.8	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.8	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.8	1.2	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.8	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB27-35		
Lab Sample ID:	F61770-7	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	77.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.8	1.2	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.8	2.3	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.8	1.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.8	1.5	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	29	5.8	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.8	1.2	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.8	1.2	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.8	1.2	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.8	1.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.8	1.2	ug/kg	
100-41-4	Ethylbenzene	ND	5.8	1.2	ug/kg	
97-63-2	Ethyl methacrylate	ND	29	5.8	ug/kg	
76-13-1	Freon 113	ND	5.8	3.0	ug/kg	
591-78-6	2-Hexanone	ND	29	5.8	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.8	1.4	ug/kg	
110-54-3	Hexane	ND	5.8	2.8	ug/kg	
98-82-8	Isopropylbenzene	ND	5.8	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.8	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	29	7.4	ug/kg	
126-98-7	Methacrylonitrile	ND	29	6.3	ug/kg	
74-83-9	Methyl bromide	ND	5.8	2.5	ug/kg	
74-87-3	Methyl chloride	ND	5.8	2.8	ug/kg	
74-88-4	Methyl iodide	ND	12	2.3	ug/kg	
80-62-6	Methyl methacrylate	ND	29	5.8	ug/kg	
74-95-3	Methylene bromide	ND	5.8	1.7	ug/kg	
75-09-2	Methylene chloride	ND	12	5.8	ug/kg	
78-93-3	Methyl ethyl ketone	ND	29	9.6	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.8	1.7	ug/kg	
91-20-3	Naphthalene	ND	5.8	2.3	ug/kg	
76-01-7	Pentachloroethane	ND	29	5.8	ug/kg	
107-12-0	Propionitrile	ND	58	14	ug/kg	
103-65-1	n-Propylbenzene	ND	5.8	1.4	ug/kg	
100-42-5	Styrene	ND	5.8	1.2	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.8	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.8	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.8	2.1	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.8	1.2	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.8	2.3	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.8	2.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.8	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB27-35		
Lab Sample ID:	F61770-7	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	77.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.8	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.8	1.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.8	1.4	ug/kg	
108-88-3	Toluene	ND	5.8	1.2	ug/kg	
79-01-6	Trichloroethylene	ND	5.8	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.8	2.3	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	29	5.8	ug/kg	
75-01-4	Vinyl chloride	ND	5.8	2.3	ug/kg	
108-05-4	Vinyl Acetate	ND	29	14	ug/kg	
	m,p-Xylene	ND	12	2.2	ug/kg	
95-47-6	o-Xylene	ND	5.8	1.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-121%
2037-26-5	Toluene-D8	85%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	110%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB27-35		
Lab Sample ID:	F61770-7	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	77.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	QR045105.D	1	12/09/08	AH	11/25/08 15:30	n/a	GQR1962
Run #2 [b]	QR045065.D	1	12/07/08	AH	11/25/08 15:30	n/a	GQR1960

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.65 g	5.0 ml	100 ul
Run #2	5.65 g	5.0 ml	10.0 ul

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.2	3.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	74%	72%	56-136%
98-08-8	aaa-Trifluorotoluene	75%	75%	61-121%

(a) Sample re-analyzed beyond hold time; reported results are considered minimum values.
(b) Confirmation run.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB27-35		
Lab Sample ID:	F61770-7	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	77.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24321.D	1	12/04/08	NY	12/03/08	OP27313	GLL908
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	11	6.4	mg/kg	
	TPH (> C22-C36)	ND	11	6.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	78%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61770-8	**Date Sampled:**	11/24/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/25/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054663.D	1	12/06/08	MM	n/a	n/a	VG2066
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61770-8	**Date Sampled:**	11/24/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/25/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61770-8	**Date Sampled:**	11/24/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/25/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		80-121%
2037-26-5	Toluene-D8	86%		71-130%
460-00-4	4-Bromofluorobenzene	102%		59-148%
17060-07-0	1,2-Dichloroethane-D4	107%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

F61770

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

Page 1 of 1

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number (1): 11-24-2008-5

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Zack Beck / Greg Kinsman

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code (2)	Sample Number (3)	Sample Matrix (4)	Sample Analysis Requested (5): Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)	Quality Assurance Samples (6): Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
1	SS61-SB26-19	SS61-SB26	24-11-2008	0830	17-19	N	01	SO	5	X	X	X					5
2	SS61-SB26-24	SS61-SB26	24-11-2008	0845	22-24	N	01	SO	5	X	X	X					5
3	SS61-SB26-242	SS61-SB26	24-11-2008	0845	22-24	FD	01	SO	5	X	X	X					5
4	SS61-SB26-40	SS61-SB26	24-11-2008	0900	38-40	N	01	SO	5	X	X	X					5
5	SS61-SB27-20	SS61-SB27	24-11-2008	1030	18-20	N	01	SO	5	X	X	X					5
6	SS61-SB27-28	SS61-SB27	24-11-2008	1045	26-28	N	01	SO	5	X	X	X					5
7	SS61-SB27-35	SS61-SB28	24-11-2008	1100	33-35	N	01	SO	5	X	X	X					5
8	Trip Blank				-	TB		WQ	3	X							5
					-												
					-												
					-												

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1.		11/24/08	1400			
2.		11/25/08	9:00		11/25/08	9:00
3.						

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: Shipped No.:

Method of Shipment: Airbill Number:

Analytical Lab: Accutest Laboratories Delivery Location:

Lab Recipient: Delivery Date/Time:

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

2.8

4.1 4

F61770: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61770 CLIENT: BHATE PROJECT: SS-61

DATE/TIME RECEIVED: 11/25/08 9:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.8

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8668 5474 8650

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [X] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 28

NUMBER OF 5035 FIELD KITS ? 1TG

NUMBER OF LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE: 11/25/08 TECHNICIAN SIGNATURE/DATE: 11-25-08

ASBD 12/17/07

4.1 4

F61770: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61770
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2065-MB	G0054625.D	1	12/05/08	MM	n/a	n/a	VG2065

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61770-1, F61770-2, F61770-3, F61770-4, F61770-5, F61770-6, F61770-7

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61770
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2065-MB	G0054625.D	1	12/05/08	MM	n/a	n/a	VG2065

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61770-1, F61770-2, F61770-3, F61770-4, F61770-5, F61770-6, F61770-7

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F61770
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2065-MB	G0054625.D	1	12/05/08	MM	n/a	n/a	VG2065

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61770-1, F61770-2, F61770-3, F61770-4, F61770-5, F61770-6, F61770-7

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	104%	80-121%
2037-26-5	Toluene-D8	86%	71-130%
460-00-4	4-Bromofluorobenzene	101%	59-148%
17060-07-0	1,2-Dichloroethane-D4	109%	77-123%

Method Blank Summary

Job Number: F61770
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2066-MB	G0054653.D	1	12/06/08	MM	n/a	n/a	VG2066

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61770-8

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61770
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2066-MB	G0054653.D	1	12/06/08	MM	n/a	n/a	VG2066

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61770-8

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	2.4	5.0	1.2	ug/kg	J
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	5.7	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	4.0	5.0	2.0	ug/kg	J

Method Blank Summary

Job Number: F61770
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2066-MB	G0054653.D	1	12/06/08	MM	n/a	n/a	VG2066

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61770-8

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	104%	80-121%
2037-26-5	Toluene-D8	88%	71-130%
460-00-4	4-Bromofluorobenzene	94%	59-148%
17060-07-0	1,2-Dichloroethane-D4	107%	77-123%

Method Blank Summary

Job Number: F61770
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2067-MB	G0054678.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61770-6

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	80-121%
2037-26-5	Toluene-D8	88%	71-130%
460-00-4	4-Bromofluorobenzene	94%	59-148%
17060-07-0	1,2-Dichloroethane-D4	102%	77-123%

Method Blank Summary

Job Number: F61770
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VK1729-MB	K039533.D	1	12/08/08	SH	n/a	n/a	VK1729

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61770-2

CAS No.	Compound	Result	RL	MDL	Units	Q

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	92%	80-121%
2037-26-5	Toluene-D8	99%	71-130%
460-00-4	4-Bromofluorobenzene	108%	59-148%
17060-07-0	1,2-Dichloroethane-D4	81%	77-123%

Method Blank Summary

Job Number: F61770
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2071-MB	G0054811.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61770-2

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	80-121%
2037-26-5	Toluene-D8	91%	71-130%
460-00-4	4-Bromofluorobenzene	92%	59-148%
17060-07-0	1,2-Dichloroethane-D4	100%	77-123%

Blank Spike Summary

Job Number: F61770
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2065-BS	G0054622.D	1	12/05/08	MM	n/a	n/a	VG2065

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61770-1, F61770-2, F61770-3, F61770-4, F61770-5, F61770-6, F61770-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	125	50*	61-144
75-05-8	Acetonitrile	500	333	67	59-139
107-02-8	Acrolein	250	44.0	18*	27-156
107-13-1	Acrylonitrile	250	184	74	55-144
107-05-1	Allyl chloride	50	41.1	82	41-152
71-43-2	Benzene	50	48.0	96	78-130
100-44-7	Benzyl Chloride	50	36.3	73*	74-130
108-86-1	Bromobenzene	50	49.6	99	78-123
74-97-5	Bromochloromethane	50	37.8	76	72-122
75-27-4	Bromodichloromethane	50	43.8	88	73-122
75-25-2	Bromoform	50	37.1	74	70-139
104-51-8	n-Butylbenzene	50	54.1	108	80-138
135-98-8	sec-Butylbenzene	50	56.1	112	82-132
98-06-6	tert-Butylbenzene	50	55.9	112	79-130
108-90-7	Chlorobenzene	50	47.4	95	83-122
75-00-3	Chloroethane	50	38.4	77	61-153
67-66-3	Chloroform	50	47.9	96	79-129
544-10-5	1-Chlorohexane	50	50.4	101	85-137
95-49-8	o-Chlorotoluene	50	53.3	107	77-123
106-43-4	p-Chlorotoluene	50	52.6	105	78-129
110-75-8	2-Chloroethyl vinyl ether	250	249	100	52-142
75-15-0	Carbon disulfide	50	39.4	79	61-142
56-23-5	Carbon tetrachloride	50	50.9	102	79-135
75-34-3	1,1-Dichloroethane	50	47.6	95	77-132
75-35-4	1,1-Dichloroethylene	50	48.7	97	66-132
563-58-6	1,1-Dichloropropene	50	46.8	94	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	34.5	69	67-129
106-93-4	1,2-Dibromoethane	50	37.0	74*	77-126
107-06-2	1,2-Dichloroethane	50	39.6	79	78-129
78-87-5	1,2-Dichloropropane	50	44.1	88	74-127
142-28-9	1,3-Dichloropropane	50	38.8	78	78-118
594-20-7	2,2-Dichloropropane	50	47.4	95	80-137
124-48-1	Dibromochloromethane	50	41.5	83	78-117
75-71-8	Dichlorodifluoromethane	50	46.6	93	35-162
156-59-2	cis-1,2-Dichloroethylene	50	44.7	89	74-123
10061-01-5	cis-1,3-Dichloropropene	50	45.7	91	79-130

Blank Spike Summary

Job Number: F61770
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2065-BS	G0054622.D	1	12/05/08	MM	n/a	n/a	VG2065

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61770-1, F61770-2, F61770-3, F61770-4, F61770-5, F61770-6, F61770-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	33.9	68*	71-126
541-73-1	m-Dichlorobenzene	50	52.9	106	82-126
95-50-1	o-Dichlorobenzene	50	49.4	99	83-123
106-46-7	p-Dichlorobenzene	50	50.7	101	84-124
156-60-5	trans-1,2-Dichloroethylene	50	45.6	91	77-129
10061-02-6	trans-1,3-Dichloropropene	50	44.3	89	87-131
100-41-4	Ethylbenzene	50	48.5	97	82-124
97-63-2	Ethyl methacrylate	50	28.6	57*	78-118
76-13-1	Freon 113	50	49.0	98	62-147
591-78-6	2-Hexanone	250	159	64*	67-130
87-68-3	Hexachlorobutadiene	50	47.8	96	77-150
110-54-3	Hexane	50	48.9	98	65-147
98-82-8	Isopropylbenzene	50	52.1	104	82-133
99-87-6	p-Isopropyltoluene	50	56.0	112	82-132
108-10-1	4-Methyl-2-pentanone	250	168	67*	69-125
126-98-7	Methacrylonitrile	500	304	61*	70-138
74-83-9	Methyl bromide	50	42.1	84	60-146
74-87-3	Methyl chloride	50	49.4	99	58-163
74-88-4	Methyl iodide	50	37.8	76	66-128
80-62-6	Methyl methacrylate	50	33.2	66*	73-125
74-95-3	Methylene bromide	50	40.4	81	75-128
75-09-2	Methylene chloride	50	48.4	97	62-140
78-93-3	Methyl ethyl ketone	250	171	68	66-134
1634-04-4	Methyl Tert Butyl Ether	50	37.1	74	70-131
91-20-3	Naphthalene	50	20.0	40*	59-143
76-01-7	Pentachloroethane	50	43.2	86	64-156
107-12-0	Propionitrile	500	283	57*	73-133
103-65-1	n-Propylbenzene	50	55.3	111	78-129
100-42-5	Styrene	50	48.3	97	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	46.5	93	81-121
71-55-6	1,1,1-Trichloroethane	50	48.3	97	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	40.7	81	70-128
79-00-5	1,1,2-Trichloroethane	50	39.6	79	76-118
87-61-6	1,2,3-Trichlorobenzene	50	25.4	51*	78-136
96-18-4	1,2,3-Trichloropropane	50	36.4	73*	74-125
120-82-1	1,2,4-Trichlorobenzene	50	25.5	51*	82-137

Blank Spike Summary

Job Number: F61770
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2065-BS	G0054622.D	1	12/05/08	MM	n/a	n/a	VG2065

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61770-1, F61770-2, F61770-3, F61770-4, F61770-5, F61770-6, F61770-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	55.6	111	77-129
108-67-8	1,3,5-Trimethylbenzene	50	55.5	111	79-129
127-18-4	Tetrachloroethylene	50	47.5	95	79-132
108-88-3	Toluene	50	46.6	93	80-123
79-01-6	Trichloroethylene	50	46.2	92	78-132
75-69-4	Trichlorofluoromethane	50	48.8	98	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	77.7	155*	74-138
75-01-4	Vinyl chloride	50	44.2	88	60-145
108-05-4	Vinyl Acetate	250	249	100	25-164
	m,p-Xylene	100	101	101	82-128
95-47-6	o-Xylene	50	48.7	97	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	80-121%
2037-26-5	Toluene-D8	96%	71-130%
460-00-4	4-Bromofluorobenzene	101%	59-148%
17060-07-0	1,2-Dichloroethane-D4	92%	77-123%

Blank Spike Summary

Job Number: F61770
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2066-BS	G0054651.D	1	12/06/08	MM	n/a	n/a	VG2066

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61770-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	101	40*	61-144
75-05-8	Acetonitrile	500	394	79	59-139
107-02-8	Acrolein	250	41.4	17*	27-156
107-13-1	Acrylonitrile	250	244	98	55-144
107-05-1	Allyl chloride	50	49.6	99	41-152
71-43-2	Benzene	50	50.1	100	78-130
100-44-7	Benzyl Chloride	50	40.6	81	74-130
108-86-1	Bromobenzene	50	51.1	102	78-123
74-97-5	Bromochloromethane	50	39.3	79	72-122
75-27-4	Bromodichloromethane	50	44.2	88	73-122
75-25-2	Bromoform	50	37.7	75	70-139
104-51-8	n-Butylbenzene	50	58.3	117	80-138
135-98-8	sec-Butylbenzene	50	57.5	115	82-132
98-06-6	tert-Butylbenzene	50	56.3	113	79-130
108-90-7	Chlorobenzene	50	48.8	98	83-122
75-00-3	Chloroethane	50	43.7	87	61-153
67-66-3	Chloroform	50	49.7	99	79-129
544-10-5	1-Chlorohexane	50	43.9	88	85-137
95-49-8	o-Chlorotoluene	50	55.1	110	77-123
106-43-4	p-Chlorotoluene	50	54.0	108	78-129
110-75-8	2-Chloroethyl vinyl ether	250	245	98	52-142
75-15-0	Carbon disulfide	50	38.5	77	61-142
56-23-5	Carbon tetrachloride	50	47.7	95	79-135
75-34-3	1,1-Dichloroethane	50	48.5	97	77-132
75-35-4	1,1-Dichloroethylene	50	46.5	93	66-132
563-58-6	1,1-Dichloropropene	50	47.2	94	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	47.8	96	67-129
106-93-4	1,2-Dibromoethane	50	39.3	79	77-126
107-06-2	1,2-Dichloroethane	50	41.3	83	78-129
78-87-5	1,2-Dichloropropane	50	47.1	94	74-127
142-28-9	1,3-Dichloropropane	50	40.3	81	78-118
594-20-7	2,2-Dichloropropane	50	55.5	111	80-137
124-48-1	Dibromochloromethane	50	36.6	73*	78-117
75-71-8	Dichlorodifluoromethane	50	39.0	78	35-162
156-59-2	cis-1,2-Dichloroethylene	50	45.2	90	74-123
10061-01-5	cis-1,3-Dichloropropene	50	45.7	91	79-130

Blank Spike Summary

Job Number: F61770
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2066-BS	G0054651.D	1	12/06/08	MM	n/a	n/a	VG2066

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61770-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	40.1	80	71-126
541-73-1	m-Dichlorobenzene	50	53.5	107	82-126
95-50-1	o-Dichlorobenzene	50	53.0	106	83-123
106-46-7	p-Dichlorobenzene	50	52.9	106	84-124
156-60-5	trans-1,2-Dichloroethylene	50	47.1	94	77-129
10061-02-6	trans-1,3-Dichloropropene	50	47.5	95	87-131
100-41-4	Ethylbenzene	50	49.6	99	82-124
97-63-2	Ethyl methacrylate	50	37.1	74*	78-118
76-13-1	Freon 113	50	68.4	137	62-147
591-78-6	2-Hexanone	250	165	66*	67-130
87-68-3	Hexachlorobutadiene	50	72.1	144	77-150
110-54-3	Hexane	50	49.9	100	65-147
98-82-8	Isopropylbenzene	50	52.9	106	82-133
99-87-6	p-Isopropyltoluene	50	58.0	116	82-132
108-10-1	4-Methyl-2-pentanone	250	186	74	69-125
126-98-7	Methacrylonitrile	500	342	68*	70-138
74-83-9	Methyl bromide	50	45.8	92	60-146
74-87-3	Methyl chloride	50	45.9	92	58-163
74-88-4	Methyl iodide	50	38.8	78	66-128
80-62-6	Methyl methacrylate	50	33.5	67*	73-125
74-95-3	Methylene bromide	50	40.4	81	75-128
75-09-2	Methylene chloride	50	49.4	99	62-140
78-93-3	Methyl ethyl ketone	250	122	49*	66-134
1634-04-4	Methyl Tert Butyl Ether	50	38.7	77	70-131
91-20-3	Naphthalene	50	55.2	110	59-143
76-01-7	Pentachloroethane	50	51.6	103	64-156
107-12-0	Propionitrile	500	320	64*	73-133
103-65-1	n-Propylbenzene	50	55.4	111	78-129
100-42-5	Styrene	50	49.6	99	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	46.7	93	81-121
71-55-6	1,1,1-Trichloroethane	50	49.5	99	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	44.0	88	70-128
79-00-5	1,1,2-Trichloroethane	50	42.3	85	76-118
87-61-6	1,2,3-Trichlorobenzene	50	64.9	130	78-136
96-18-4	1,2,3-Trichloropropane	50	36.8	74	74-125
120-82-1	1,2,4-Trichlorobenzene	50	66.3	133	82-137

Blank Spike Summary

Job Number: F61770
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2066-BS	G0054651.D	1	12/06/08	MM	n/a	n/a	VG2066

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61770-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	56.4	113	77-129
108-67-8	1,3,5-Trimethylbenzene	50	56.2	112	79-129
127-18-4	Tetrachloroethylene	50	49.1	98	79-132
108-88-3	Toluene	50	48.2	96	80-123
79-01-6	Trichloroethylene	50	47.3	95	78-132
75-69-4	Trichlorofluoromethane	50	48.4	97	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	87.7	175*	74-138
75-01-4	Vinyl chloride	50	42.4	85	60-145
108-05-4	Vinyl Acetate	250	311	124	25-164
	m,p-Xylene	100	103	103	82-128
95-47-6	o-Xylene	50	50.5	101	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	80-121%
2037-26-5	Toluene-D8	99%	71-130%
460-00-4	4-Bromofluorobenzene	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	87%	77-123%

Blank Spike Summary

Job Number: F61770
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VK1729-BS	K039534.D	1	12/08/08	SH	n/a	n/a	VK1729

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61770-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	95%	80-121%
2037-26-5	Toluene-D8	108%	71-130%
460-00-4	4-Bromofluorobenzene	108%	59-148%
17060-07-0	1,2-Dichloroethane-D4	86%	77-123%

Blank Spike Summary

Job Number: F61770
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2067-BS	G0054692.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61770-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
98-82-8	Isopropylbenzene	50	57.8	116	82-133

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	80-121%
2037-26-5	Toluene-D8	98%	71-130%
460-00-4	4-Bromofluorobenzene	95%	59-148%
17060-07-0	1,2-Dichloroethane-D4	95%	77-123%

Blank Spike Summary

Job Number: F61770
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2071-BS	G0054810.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61770-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
98-82-8	Isopropylbenzene	50	57.3	115	82-133

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	80-121%
2037-26-5	Toluene-D8	97%	71-130%
460-00-4	4-Bromofluorobenzene	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	87%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61770
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61770-1MS	G0054628.D	1	12/05/08	MM	n/a	n/a	VG2065
F61770-1MSD	G0054629.D	1	12/05/08	MM	n/a	n/a	VG2065
F61770-1	G0054627.D	1	12/05/08	MM	n/a	n/a	VG2065

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61770-1, F61770-2, F61770-3, F61770-4, F61770-5, F61770-6, F61770-7

CAS No.	Compound	F61770-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		312	153	49*	139	45*	10	61-144/29
75-05-8	Acetonitrile	ND		625	516	83	502	81	3	59-139/30
107-02-8	Acrolein	ND		312	ND	0*	ND	0*	nc	27-156/39
107-13-1	Acrylonitrile	ND		312	246	79	251	81	2	55-144/24
107-05-1	Allyl chloride	ND		62.5	54.6	87	56.5	91	3	41-152/24
71-43-2	Benzene	5.6		62.5	57.2	83	56.0	81	2	78-130/25
100-44-7	Benzyl Chloride	ND		62.5	31.2	50*	30.5	49*	2	74-130/28
108-86-1	Bromobenzene	ND		62.5	57.5	92	57.0	92	1	78-123/30
74-97-5	Bromochloromethane	ND		62.5	49.7	80	48.5	78	2	72-122/23
75-27-4	Bromodichloromethane	ND		62.5	55.8	89	54.5	88	2	73-122/25
75-25-2	Bromoform	ND		62.5	51.8	83	51.4	83	1	70-139/26
104-51-8	n-Butylbenzene	ND		62.5	56.8	91	54.7	88	4	80-138/31
135-98-8	sec-Butylbenzene	ND		62.5	59.3	95	58.7	94	1	82-132/29
98-06-6	tert-Butylbenzene	ND		62.5	59.5	95	58.5	94	2	79-130/29
108-90-7	Chlorobenzene	ND		62.5	55.1	88	55.3	89	0	83-122/23
75-00-3	Chloroethane	ND		62.5	36.8	59*	43.6	70	17	61-153/31
67-66-3	Chloroform	ND		62.5	57.3	92	56.3	91	2	79-129/27
544-10-5	1-Chlorohexane	ND		62.5	54.0	86	53.0	85	2	85-137/29
95-49-8	o-Chlorotoluene	ND		62.5	58.6	94	56.7	91	3	77-123/31
106-43-4	p-Chlorotoluene	ND		62.5	58.7	94	56.3	91	4	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		312	394	126	386	124	2	52-142/25
75-15-0	Carbon disulfide	ND		62.5	45.4	73	45.6	73	0	61-142/27
56-23-5	Carbon tetrachloride	ND		62.5	60.2	96	59.2	95	2	79-135/29
75-34-3	1,1-Dichloroethane	ND		62.5	57.2	92	56.1	90	2	77-132/26
75-35-4	1,1-Dichloroethylene	ND		62.5	54.6	87	54.7	88	0	66-132/27
563-58-6	1,1-Dichloropropene	ND		62.5	55.5	89	54.0	87	3	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		62.5	59.1	95	56.7	91	4	67-129/29
106-93-4	1,2-Dibromoethane	ND		62.5	52.8	85	53.5	86	1	77-126/24
107-06-2	1,2-Dichloroethane	ND		62.5	56.0	90	54.4	87	3	78-129/24
78-87-5	1,2-Dichloropropane	ND		62.5	57.5	92	54.7	88	5	74-127/27
142-28-9	1,3-Dichloropropane	ND		62.5	53.1	85	52.1	84	2	78-118/26
594-20-7	2,2-Dichloropropane	ND		62.5	44.5	71*	46.2	74*	4	80-137/28
124-48-1	Dibromochloromethane	ND		62.5	54.3	87	52.5	84	3	78-117/27
75-71-8	Dichlorodifluoromethane	ND		62.5	48.5	78	47.2	76	3	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		62.5	53.7	86	52.5	84	2	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		62.5	54.2	87	53.5	86	1	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61770
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61770-1MS	G0054628.D	1	12/05/08	MM	n/a	n/a	VG2065
F61770-1MSD	G0054629.D	1	12/05/08	MM	n/a	n/a	VG2065
F61770-1	G0054627.D	1	12/05/08	MM	n/a	n/a	VG2065

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61770-1, F61770-2, F61770-3, F61770-4, F61770-5, F61770-6, F61770-7

CAS No.	Compound	F61770-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		62.5	49.2	79	49.7	80	1	71-126/28
541-73-1	m-Dichlorobenzene	ND		62.5	59.6	95	56.8	91	5	82-126/29
95-50-1	o-Dichlorobenzene	ND		62.5	58.9	94	56.9	91	3	83-123/28
106-46-7	p-Dichlorobenzene	ND		62.5	59.4	95	58.1	93	2	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		62.5	54.0	86	53.3	86	1	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		62.5	56.1	90	55.3	89	1	87-131/27
100-41-4	Ethylbenzene	ND		62.5	55.6	89	54.0	87	3	82-124/25
97-63-2	Ethyl methacrylate	ND		62.5	14.1	23*	13.5	22*	4	78-118/30
76-13-1	Freon 113	ND		62.5	52.1	83	62.8	101	19	62-147/29
591-78-6	2-Hexanone	ND		312	220	70	215	69	2	67-130/29
87-68-3	Hexachlorobutadiene	ND		62.5	60.0	96	56.5	91	6	77-150/36
110-54-3	Hexane	ND		62.5	51.6	83	52.3	84	1	65-147/27
98-82-8	Isopropylbenzene	2.8	J	62.5	58.5	89	57.2	87	2	82-133/27
99-87-6	p-Isopropyltoluene	ND		62.5	60.1	96	58.2	94	3	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		312	284	91	274	88	4	69-125/24
126-98-7	Methacrylonitrile	ND		625	554	89	545	88	2	70-138/22
74-83-9	Methyl bromide	ND		62.5	33.5	54*	45.5	73	30	60-146/31
74-87-3	Methyl chloride	ND		62.5	40.9	65	41.3	66	1	58-163/26
74-88-4	Methyl iodide	ND		62.5	42.5	68	42.9	69	1	66-128/27
80-62-6	Methyl methacrylate	ND		62.5	65.3	105	66.8	107	2	73-125/24
74-95-3	Methylene bromide	ND		62.5	55.6	89	54.5	88	2	75-128/26
75-09-2	Methylene chloride	ND		62.5	62.7	100	64.9	104	3	62-140/25
78-93-3	Methyl ethyl ketone	ND		312	215	69	206	66	4	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		62.5	56.5	90	55.2	89	2	70-131/25
91-20-3	Naphthalene	ND		62.5	72.0	115	51.1	82	34*	59-143/31
76-01-7	Pentachloroethane	ND		62.5	49.3	79	45.9	74	7	64-156/37
107-12-0	Propionitrile	ND		625	512	82	505	81	1	73-133/23
103-65-1	n-Propylbenzene	ND		62.5	58.9	94	58.8	95	0	78-129/29
100-42-5	Styrene	ND		62.5	55.6	89	55.2	89	1	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		62.5	55.3	89	55.5	89	0	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		62.5	57.0	91	57.0	92	0	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		62.5	60.0	96	56.9	91	5	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		62.5	55.1	88	53.4	86	3	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		62.5	69.9	112	43.5	70*	47*	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		62.5	53.7	86	51.0	82	5	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		62.5	67.7	108	51.3	82	28	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61770
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61770-1MS	G0054628.D	1	12/05/08	MM	n/a	n/a	VG2065
F61770-1MSD	G0054629.D	1	12/05/08	MM	n/a	n/a	VG2065
F61770-1	G0054627.D	1	12/05/08	MM	n/a	n/a	VG2065

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61770-1, F61770-2, F61770-3, F61770-4, F61770-5, F61770-6, F61770-7

CAS No.	Compound	F61770-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		62.5	60.0	96	59.2	95	1	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		62.5	60.2	96	59.1	95	2	79-129/31
127-18-4	Tetrachloroethylene	ND		62.5	63.3	101	62.9	101	1	79-132/27
108-88-3	Toluene	ND		62.5	54.0	86	53.3	86	1	80-123/26
79-01-6	Trichloroethylene	ND		62.5	56.6	91	53.8	86	5	78-132/28
75-69-4	Trichlorofluoromethane	ND		62.5	54.5	87	55.3	89	1	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		62.5	102	163*	100	161*	2	74-138/30
75-01-4	Vinyl chloride	ND		62.5	37.9	61	38.0	61	0	60-145/29
108-05-4	Vinyl Acetate	ND		312	26.4	8*	24.4	8*	8	25-164/35
	m,p-Xylene	ND		125	114	91	113	91	1	82-128/25
95-47-6	o-Xylene	ND		62.5	55.6	89	54.7	88	2	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61770-1	Limits
1868-53-7	Dibromofluoromethane	103%	98%	106%	80-121%
2037-26-5	Toluene-D8	95%	93%	86%	71-130%
460-00-4	4-Bromofluorobenzene	100%	96%	101%	59-148%
17060-07-0	1,2-Dichloroethane-D4	103%	100%	117%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61770
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61816-1MS	G0054655.D	1	12/06/08	MM	n/a	n/a	VG2066
F61816-1MSD	G0054656.D	1	12/06/08	MM	n/a	n/a	VG2066
F61816-1	G0054654.D	1	12/06/08	MM	n/a	n/a	VG2066

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61770-8

CAS No.	Compound	F61816-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		312	87.1	28*	134	43*	42*	61-144/29
75-05-8	Acetonitrile	ND		625	557	89	637	103	13	59-139/30
107-02-8	Acrolein	ND		312	22.6	7*	15.5	5*	37	27-156/39
107-13-1	Acrylonitrile	ND		312	331	106	366	118	10	55-144/24
107-05-1	Allyl chloride	ND		62.5	69.2	111	69.2	112	0	41-152/24
71-43-2	Benzene	9.0		62.5	66.2	92	64.6	90	2	78-130/25
100-44-7	Benzyl Chloride	ND		62.5	42.8	69*	42.9	69*	0	74-130/28
108-86-1	Bromobenzene	ND		62.5	66.3	106	64.5	104	3	78-123/30
74-97-5	Bromochloromethane	ND		62.5	54.4	87	55.5	90	2	72-122/23
75-27-4	Bromodichloromethane	ND		62.5	62.0	99	62.9	102	1	73-122/25
75-25-2	Bromoform	ND		62.5	57.3	92	56.7	92	1	70-139/26
104-51-8	n-Butylbenzene	ND		62.5	68.7	110	66.1	107	4	80-138/31
135-98-8	sec-Butylbenzene	ND		62.5	71.2	114	66.4	107	7	82-132/29
98-06-6	tert-Butylbenzene	ND		62.5	69.5	111	66.3	107	5	79-130/29
108-90-7	Chlorobenzene	ND		62.5	63.7	102	61.9	100	3	83-122/23
75-00-3	Chloroethane	ND		62.5	60.4	97	55.7	90	8	61-153/31
67-66-3	Chloroform	ND		62.5	66.7	107	66.5	107	0	79-129/27
544-10-5	1-Chlorohexane	ND		62.5	52.6	84*	50.1	81*	5	85-137/29
95-49-8	o-Chlorotoluene	ND		62.5	68.4	110	63.4	102	8	77-123/31
106-43-4	p-Chlorotoluene	ND		62.5	68.1	109	63.8	103	7	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		312	379	121	410	132	8	52-142/25
75-15-0	Carbon disulfide	ND		62.5	56.1	90	53.9	87	4	61-142/27
56-23-5	Carbon tetrachloride	ND		62.5	69.6	111	66.3	107	5	79-135/29
75-34-3	1,1-Dichloroethane	ND		62.5	66.5	106	66.2	107	0	77-132/26
75-35-4	1,1-Dichloroethylene	ND		62.5	65.8	105	64.6	104	2	66-132/27
563-58-6	1,1-Dichloropropene	ND		62.5	65.6	105	66.1	107	1	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		62.5	65.1	104	72.9	118	11	67-129/29
106-93-4	1,2-Dibromoethane	ND		62.5	56.7	91	56.6	91	0	77-126/24
107-06-2	1,2-Dichloroethane	ND		62.5	57.9	93	60.7	98	5	78-129/24
78-87-5	1,2-Dichloropropane	ND		62.5	62.0	99	64.6	104	4	74-127/27
142-28-9	1,3-Dichloropropane	ND		62.5	57.6	92	57.3	93	1	78-118/26
594-20-7	2,2-Dichloropropane	ND		62.5	66.2	106	64.0	103	3	80-137/28
124-48-1	Dibromochloromethane	ND		62.5	54.5	87	52.9	85	3	78-117/27
75-71-8	Dichlorodifluoromethane	ND		62.5	55.2	88	53.8	87	3	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		62.5	61.1	98	59.6	96	2	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		62.5	62.4	100	63.2	102	1	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61770
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61816-1MS	G0054655.D	1	12/06/08	MM	n/a	n/a	VG2066
F61816-1MSD	G0054656.D	1	12/06/08	MM	n/a	n/a	VG2066
F61816-1	G0054654.D	1	12/06/08	MM	n/a	n/a	VG2066

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61770-8

CAS No.	Compound	F61816-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		62.5	60.2	96	58.4	94	3	71-126/28
541-73-1	m-Dichlorobenzene	ND		62.5	68.9	110	65.1	105	6	82-126/29
95-50-1	o-Dichlorobenzene	ND		62.5	67.5	108	66.4	107	2	83-123/28
106-46-7	p-Dichlorobenzene	ND		62.5	68.7	110	67.5	109	2	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		62.5	64.9	104	64.7	104	0	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		62.5	65.2	104	63.8	103	2	87-131/27
100-41-4	Ethylbenzene	ND		62.5	65.4	105	61.7	100	6	82-124/25
97-63-2	Ethyl methacrylate	ND		62.5	60.0	96	60.7	98	1	78-118/30
76-13-1	Freon 113	ND		62.5	87.7	140	52.8	85	50*	62-147/29
591-78-6	2-Hexanone	ND		312	246	79	254	82	3	67-130/29
87-68-3	Hexachlorobutadiene	ND		62.5	77.2	124	95.5	154*	21	77-150/36
110-54-3	Hexane	ND		62.5	43.3	69	45.0	73	4	65-147/27
98-82-8	Isopropylbenzene	3.9	J	62.5	68.9	104	65.2	99	6	82-133/27
99-87-6	p-Isopropyltoluene	ND		62.5	71.6	115	68.3	110	5	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		312	296	95	311	100	5	69-125/24
126-98-7	Methacrylonitrile	ND		625	565	90	621	100	9	70-138/22
74-83-9	Methyl bromide	ND		62.5	60.4	97	57.4	93	5	60-146/31
74-87-3	Methyl chloride	ND		62.5	60.1	96	59.8	97	1	58-163/26
74-88-4	Methyl iodide	ND		62.5	51.7	83	51.4	83	1	66-128/27
80-62-6	Methyl methacrylate	ND		62.5	59.3	95	60.9	98	3	73-125/24
74-95-3	Methylene bromide	ND		62.5	60.2	96	62.9	102	4	75-128/26
75-09-2	Methylene chloride	7.3	J	62.5	60.5	85	62.7	89	4	62-140/25
78-93-3	Methyl ethyl ketone	ND		312	171	55*	195	63*	13	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		62.5	56.6	91	62.1	100	9	70-131/25
91-20-3	Naphthalene	ND		62.5	59.4	95	192	310*	105*	59-143/31
76-01-7	Pentachloroethane	ND		62.5	66.2	106	62.8	101	5	64-156/37
107-12-0	Propionitrile	ND		625	510	82	609	98	18	73-133/23
103-65-1	n-Propylbenzene	ND		62.5	70.1	112	65.3	105	7	78-129/29
100-42-5	Styrene	ND		62.5	62.1	99	61.0	98	2	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		62.5	62.2	100	60.0	97	4	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		62.5	68.5	110	67.7	109	1	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		62.5	63.0	101	63.2	102	0	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		62.5	58.3	93	58.2	94	0	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		62.5	59.6	95	125	202*	71*	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		62.5	54.8	88	55.3	89	1	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		62.5	69.0	110	188	304*	93*	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61770
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61816-1MS	G0054655.D	1	12/06/08	MM	n/a	n/a	VG2066
F61816-1MSD	G0054656.D	1	12/06/08	MM	n/a	n/a	VG2066
F61816-1	G0054654.D	1	12/06/08	MM	n/a	n/a	VG2066

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61770-8

CAS No.	Compound	F61816-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		62.5	70.5	113	66.4	107	6	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		62.5	69.7	112	65.9	106	6	79-129/31
127-18-4	Tetrachloroethylene	ND		62.5	70.6	113	67.9	110	4	79-132/27
108-88-3	Toluene	ND		62.5	62.9	101	60.0	97	5	80-123/26
79-01-6	Trichloroethylene	ND		62.5	64.7	104	64.7	104	0	78-132/28
75-69-4	Trichlorofluoromethane	ND		62.5	68.6	110	65.6	106	4	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		62.5	119	191*	122	197*	2	74-138/30
75-01-4	Vinyl chloride	ND		62.5	58.8	94	57.4	93	2	60-145/29
108-05-4	Vinyl Acetate	ND		312	79.1	25	80.9	26	2	25-164/35
	m,p-Xylene	ND		125	135	108	128	103	5	82-128/25
95-47-6	o-Xylene	ND		62.5	65.4	105	63.0	102	4	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61816-1	Limits
1868-53-7	Dibromofluoromethane	100%	104%	107%	80-121%
2037-26-5	Toluene-D8	98%	96%	85%	71-130%
460-00-4	4-Bromofluorobenzene	99%	96%	100%	59-148%
17060-07-0	1,2-Dichloroethane-D4	98%	104%	106%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61770
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61902-1MS	G0054687.D	1	12/08/08	MM	n/a	n/a	VG2067
F61902-1MSD	G0054688.D	1	12/08/08	MM	n/a	n/a	VG2067
F61902-1	G0054686.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61770-6

CAS No.	Compound	F61902-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
98-82-8	Isopropylbenzene	ND		60.2	57.7	96	59.2	94	3	82-133/27

CAS No.	Surrogate Recoveries	MS	MSD	F61902-1	Limits
1868-53-7	Dibromofluoromethane	100%	101%	103%	80-121%
2037-26-5	Toluene-D8	97%	93%	88%	71-130%
460-00-4	4-Bromofluorobenzene	94%	93%	93%	59-148%
17060-07-0	1,2-Dichloroethane-D4	93%	94%	102%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61770
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62031-2MS	K039546.D	1	12/08/08	SH	n/a	n/a	VK1729
F62031-2MSD	K039547.D	1	12/08/08	SH	n/a	n/a	VK1729
F62031-2	K039545.D	1	12/08/08	SH	n/a	n/a	VK1729

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61770-2

CAS No.	Compound	F62031-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD

CAS No.	Surrogate Recoveries	MS	MSD	F62031-2	Limits
1868-53-7	Dibromofluoromethane	92%	102%	99%	80-121%
2037-26-5	Toluene-D8	99%	109%	100%	71-130%
460-00-4	4-Bromofluorobenzene	104%	105%	104%	59-148%
17060-07-0	1,2-Dichloroethane-D4	82%	84%	90%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61770
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61975-4MS	G0054817.D	1	12/12/08	MM	n/a	n/a	VG2071
F61975-4MSD	G0054818.D	1	12/12/08	MM	n/a	n/a	VG2071
F61975-4	G0054816.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61770-2

CAS No.	Compound	F61975-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
98-82-8	Isopropylbenzene	ND		61.1	72.4	119	66.8	112	8	82-133/27

CAS No.	Surrogate Recoveries	MS	MSD	F61975-4	Limits
1868-53-7	Dibromofluoromethane	95%	95%	95%	80-121%
2037-26-5	Toluene-D8	99%	105%	94%	71-130%
460-00-4	4-Bromofluorobenzene	97%	97%	93%	59-148%
17060-07-0	1,2-Dichloroethane-D4	90%	92%	98%	77-123%

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61770
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1960-MB	QR045051.D	1	12/07/08	AH	n/a	n/a	GQR1960

The QC reported here applies to the following samples: **Method:** SW846 8015

F61770-1, F61770-4, F61770-5

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	82%	56-136%
98-08-8	aaa-Trifluorotoluene	77%	61-121%

Method Blank Summary

Job Number: F61770
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1962-MB	QR045104.D	1	12/09/08	AH	n/a	n/a	GQR1962

The QC reported here applies to the following samples: **Method:** SW846 8015

F61770-2, F61770-3, F61770-6, F61770-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	72%	56-136%
98-08-8	aaa-Trifluorotoluene	79%	61-121%

Blank Spike Summary

Job Number: F61770
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1960-BS	QR045050.D	1	12/07/08	AH	n/a	n/a	GQR1960

The QC reported here applies to the following samples: **Method:** SW846 8015

F61770-1, F61770-4, F61770-5

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	19.9	100	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	96%	56-136%
98-08-8	aaa-Trifluorotoluene	96%	61-121%

Blank Spike Summary

Job Number: F61770
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1962-BS	QR045103.D	1	12/09/08	AH	n/a	n/a	GQR1962

The QC reported here applies to the following samples: **Method:** SW846 8015

F61770-2, F61770-3, F61770-6, F61770-7

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	18.7	94	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	95%	56-136%
98-08-8	aaa-Trifluorotoluene	86%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61770
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61772-10MS	QR045069.D	1	12/07/08	AH	n/a	n/a	GQR1960
F61772-10MSD	QR045070.D	1	12/07/08	AH	n/a	n/a	GQR1960
F61772-10 [a]	QR045055.D	1	12/07/08	AH	n/a	n/a	GQR1960

The QC reported here applies to the following samples: **Method:** SW846 8015

F61770-1, F61770-4, F61770-5

CAS No.	Compound	F61772-10 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		27.1	24.3	90	26.0	96	7	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61772-10	Limits
460-00-4	4-Bromofluorobenzene	82%	91%	76%	56-136%
98-08-8	aaa-Trifluorotoluene	93%	95%	77%	61-121%

(a) En Core samples were not preserved within 48 hours.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61770
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61770-7MS	QR045112.D	1	12/09/08	AH	n/a	n/a	GQR1962
F61770-7MSD	QR045115.D	1	12/10/08	AH	n/a	n/a	GQR1962
F61770-7 [a]	QR045105.D	1	12/09/08	AH	n/a	n/a	GQR1962

The QC reported here applies to the following samples: **Method:** SW846 8015

F61770-2, F61770-3, F61770-6, F61770-7

CAS No.	Compound	F61770-7 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		28.6	28.8	101	28.3	99	2	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61770-7	Limits
460-00-4	4-Bromofluorobenzene	123%	123%	74%	56-136%
98-08-8	aaa-Trifluorotoluene	96%	103%	75%	61-121%

(a) Sample re-analyzed beyond hold time; reported results are considered minimum values.

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61770
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27307-MB	LL24346.D	1	12/05/08	NY	12/02/08	OP27307	GLL908

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61770-1, F61770-2, F61770-3, F61770-4, F61770-5

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	88%	49-108%

Method Blank Summary

Job Number: F61770
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27313-MB	LL24319.D	1	12/04/08	NY	12/03/08	OP27313	GLL908

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61770-6, F61770-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	90%	49-108%

Blank Spike Summary

Job Number: F61770
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27307-BS	LL24345.D	1	12/05/08	NY	12/02/08	OP27307	GLL908

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61770-1, F61770-2, F61770-3, F61770-4, F61770-5

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	29.3	88	64-102
	TPH (> C22-C36)	33.3	33.0	99	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	90%	49-108%

Blank Spike Summary

Job Number: F61770
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27313-BS	LL24318.D	1	12/04/08	NY	12/03/08	OP27313	GLL908

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61770-6, F61770-7

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	27.4	82	64-102
	TPH (> C22-C36)	33.3	31.2	94	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	87%	49-108%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61770
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27307-MS	LL24359.D	1	12/05/08	NY	12/02/08	OP27307	GLL908
OP27307-MSD	LL24360.D	1	12/05/08	NY	12/02/08	OP27307	GLL908
F61771-4	LL24358.D	1	12/05/08	NY	12/02/08	OP27307	GLL908

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61770-1, F61770-2, F61770-3, F61770-4, F61770-5

CAS No.	Compound	F61771-4 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		45	37.3	83	40.6	90	8	64-102/32
	TPH (> C22-C36)	ND		45	38.1	85	45.3	101	17	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F61771-4	Limits
84-15-1	o-Terphenyl	84%	92%	87%	49-108%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61770
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27313-MS	LL24325.D	1	12/04/08	NY	12/03/08	OP27313	GLL908
OP27313-MSD	LL24326.D	1	12/04/08	NY	12/03/08	OP27313	GLL908
F61816-3	LL24324.D	1	12/04/08	NY	12/03/08	OP27313	GLL908

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61770-6, F61770-7

CAS No.	Compound	F61816-3 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		37	31.4	85	28.3	76	10	64-102/32
	TPH (> C22-C36)	ND		37	36.7	99	31.8	85	14	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F61816-3	Limits
84-15-1	o-Terphenyl	88%	83%	76%	49-108%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/15/08

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F61771

Sampling Date: 11/23/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **69**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Note: This report is password protected to disallow document modification or assembly.
A password to unlock this report is available from your client service representative.

Sections: 1 2 3 4 5 6 7

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F61771-1: SS61-SB24-16 7
3.2: F61771-2: SS61-SB24-27 12
3.3: F61771-3: SS61-SB24-40 17
3.4: F61771-4: SS61-SB25-20 22
3.5: F61771-5: SS61-SB25-24 27
3.6: F61771-5A: SS61-SB25-24 30
3.7: F61771-6: SS61-SB25-35 32
3.8: F61771-7: TRIP BLANK 37
Section 4: Misc. Forms **40**
4.1: Chain of Custody 41
Section 5: GC/MS Volatiles - QC Data Summaries **43**
5.1: Method Blank Summary 44
5.2: Blank Spike Summary 50
5.3: Matrix Spike/Matrix Spike Duplicate Summary 56
Section 6: GC Volatiles - QC Data Summaries **62**
6.1: Method Blank Summary 63
6.2: Blank Spike Summary 64
6.3: Matrix Spike/Matrix Spike Duplicate Summary 65
Section 7: GC Semi-volatiles - QC Data Summaries **66**
7.1: Method Blank Summary 67
7.2: Blank Spike Summary 68
7.3: Matrix Spike/Matrix Spike Duplicate Summary 69

Sample Summary

North Wind, Inc

Job No: F61771

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F61771-1	11/23/08	14:20	GK	11/25/08	SO	Soil	SS61-SB24-16
F61771-2	11/23/08	14:30	GK	11/25/08	SO	Soil	SS61-SB24-27
F61771-3	11/23/08	14:40	GK	11/25/08	SO	Soil	SS61-SB24-40
F61771-4	11/23/08	16:00	GK	11/25/08	SO	Soil	SS61-SB25-20
F61771-4D	11/23/08	16:00	GK	11/25/08	SO	Soil Dup/MSD	SS61-SB25-20
F61771-4S	11/23/08	16:00	GK	11/25/08	SO	Soil Matrix Spike	SS61-SB25-20
F61771-5	11/23/08	16:15	GK	11/25/08	SO	Soil	SS61-SB25-24
F61771-5A	11/23/08	16:15	GK	11/25/08	SO	Soil	SS61-SB25-24
F61771-6	11/23/08	16:30	GK	11/25/08	SO	Soil	SS61-SB25-35
F61771-7	11/23/08	00:00	GK	11/25/08	SO	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F61771

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/15/2008 4:39:27

6 Samples, 1 Trip Blank were collected on 11/23/2008 and were received at Accutest on 11/25/2008 properly preserved, at 3.2 Deg. C and intact. These Samples received an Accutest job number of F61771. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2063

All samples were analyzed within the recommended method holding time.

Sample(s) F61775-2MS, F61775-2MSD were used as the QC samples indicated.

Sample(s) F61771-2, F61771-5, F61771-7 have compound(s) reported with a “B” qualifier, indicating analyte is found in the associated method blank.

Blank Spike Recovery(s) for Hexachlorobutadiene, Trans-1,4-Dichloro-2-Butene are outside control limits. Hexachlorobutadiene passed in MS/MSD, sw-846 8000 requirements are met. TDB biased high in BS/MS/MSD.

Matrix Spike Recovery(s) for Acetone, Acrolein, Benzyl Chloride, Freon 113 are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for Acetone, Acrolein, Benzyl Chloride are outside control limits. Probable cause due to matrix interference. See Balnk Spike for method performance in clean matrix.

RPD(s) for MSD for Freon 113 are outside control limits for sample F61775-2MSD. Probable cause due to sample homogeneity.

F61771-7 for Methylene chloride: Suspected laboratory contaminant.

F61771-5 for Methylene chloride: Suspected laboratory contaminant.

F61771-2 for Methylene chloride: Suspected laboratory contaminant.

Matrix: SO **Batch ID:** VG2064

All samples were analyzed within the recommended method holding time.

Sample(s) F61771-4MS, F61771-4MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for 1,2,3-Trichlorobenzene, Acetonitrile, Acrolein, Freon 113, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for 1,2,3-Trichlorobenzene, 1-Chlorohexane, Acetonitrile, Acrolein, Benzene, Ethyl methacrylate, Isopropylbenzene, Trans-1,4-Dichloro-2-Butene are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Acetonitrile, Acrolein, Benzene, Ethyl methacrylate, Freon 113, Trans-1,4-Dichloro-2-Butene are outside control limits. Probable cause due to matrix interference.

F61771-4 for 1,2,3-Trichlorobenzene: CCV outside of control limits; results may be biased low.

F61771-4 for Freon 113: CCV outside of control limits; results may be biased low.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GQR1958

All samples were analyzed within the recommended method holding time.

Sample(s) F61771-4MS, F61771-4MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Sample(s) F61771-2 have surrogates outside control limits. Probable cause due to matrix interference.

F61771-2 for aaa-Trifluorotoluene: Outside control limits due to matrix interference.

F61771-2 for aaa-Trifluorotoluene: Result reported from PID.

Extractables by GC By Method SW846 8015 M

Matrix: SO **Batch ID:** OP27307

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61771-4MS, F61771-4MSD were used as the QC samples indicated.

F61771-2 for TPH (C10-C22): Petroleum hydrocarbon pattern begins before C10.

Wet Chemistry By Method SM19 2540B M

Matrix: SO **Batch ID:** GN32962

Sample(s) F61770-1DUP were used as the QC samples for Solids, Percent.

Matrix: SO **Batch ID:** GN32970

Sample(s) F61775-2DUP were used as the QC samples for Solids, Percent.

Matrix: SO **Batch ID:** GN32992

Sample(s) F61771-3DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: December 15, 2008

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-SB24-16		
Lab Sample ID:	F61771-1	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	76.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054570.D	1	12/03/08	MM	11/25/08 12:46	n/a	VG2063
Run #2							

	Initial Weight
Run #1	5.69 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	58	29	ug/kg	
75-05-8	Acetonitrile	ND	58	18	ug/kg	
107-02-8	Acrolein	ND	29	11	ug/kg	
107-13-1	Acrylonitrile	ND	29	8.0	ug/kg	
107-05-1	Allyl chloride	ND	29	5.8	ug/kg	
71-43-2	Benzene	ND	5.8	1.2	ug/kg	
100-44-7	Benzyl Chloride	ND	5.8	1.3	ug/kg	
108-86-1	Bromobenzene	ND	5.8	1.2	ug/kg	
74-97-5	Bromochloromethane	ND	5.8	2.0	ug/kg	
75-27-4	Bromodichloromethane	ND	5.8	1.4	ug/kg	
75-25-2	Bromoform	ND	5.8	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	5.8	1.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.8	1.3	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.8	1.3	ug/kg	
108-90-7	Chlorobenzene	ND	5.8	1.2	ug/kg	
75-00-3	Chloroethane	ND	5.8	2.3	ug/kg	
67-66-3	Chloroform	ND	5.8	2.0	ug/kg	
544-10-5	1-Chlorohexane	ND	5.8	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.8	1.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.8	1.2	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	29	12	ug/kg	
75-15-0	Carbon disulfide	ND	5.8	1.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.8	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.8	2.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.8	1.5	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.8	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.8	2.8	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.8	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.8	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.8	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.8	1.2	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.8	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB24-16		
Lab Sample ID:	F61771-1	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	76.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.8	1.2	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.8	2.3	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.8	1.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.8	1.5	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	29	5.8	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.8	1.2	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.8	1.2	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.8	1.2	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.8	1.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.8	1.2	ug/kg	
100-41-4	Ethylbenzene	ND	5.8	1.2	ug/kg	
97-63-2	Ethyl methacrylate	ND	29	5.8	ug/kg	
76-13-1	Freon 113	ND	5.8	3.0	ug/kg	
591-78-6	2-Hexanone	ND	29	5.8	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.8	1.4	ug/kg	
110-54-3	Hexane	ND	5.8	2.8	ug/kg	
98-82-8	Isopropylbenzene	ND	5.8	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.8	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	29	7.4	ug/kg	
126-98-7	Methacrylonitrile	ND	29	6.4	ug/kg	
74-83-9	Methyl bromide	ND	5.8	2.5	ug/kg	
74-87-3	Methyl chloride	ND	5.8	2.8	ug/kg	
74-88-4	Methyl iodide	ND	12	2.3	ug/kg	
80-62-6	Methyl methacrylate	ND	29	5.8	ug/kg	
74-95-3	Methylene bromide	ND	5.8	1.7	ug/kg	
75-09-2	Methylene chloride	ND	12	5.8	ug/kg	
78-93-3	Methyl ethyl ketone	ND	29	9.6	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.8	1.7	ug/kg	
91-20-3	Naphthalene	ND	5.8	2.3	ug/kg	
76-01-7	Pentachloroethane	ND	29	5.8	ug/kg	
107-12-0	Propionitrile	ND	58	14	ug/kg	
103-65-1	n-Propylbenzene	ND	5.8	1.4	ug/kg	
100-42-5	Styrene	ND	5.8	1.2	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.8	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.8	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.8	2.1	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.8	1.2	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.8	2.3	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.8	2.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.8	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB24-16		
Lab Sample ID:	F61771-1	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	76.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.8	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.8	1.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.8	1.4	ug/kg	
108-88-3	Toluene	ND	5.8	1.2	ug/kg	
79-01-6	Trichloroethylene	ND	5.8	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.8	2.3	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	29	5.8	ug/kg	
75-01-4	Vinyl chloride	ND	5.8	2.3	ug/kg	
108-05-4	Vinyl Acetate	ND	29	14	ug/kg	
	m,p-Xylene	ND	12	2.2	ug/kg	
95-47-6	o-Xylene	ND	5.8	1.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		80-121%
2037-26-5	Toluene-D8	90%		71-130%
460-00-4	4-Bromofluorobenzene	96%		59-148%
17060-07-0	1,2-Dichloroethane-D4	112%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB24-16		
Lab Sample ID:	F61771-1	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	76.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR044996.D	1	12/05/08	AH	11/25/08 12:46	n/a	GQR1958
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.50 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.6	3.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	86%		56-136%
98-08-8	aaa-Trifluorotoluene	79%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB24-16		
Lab Sample ID:	F61771-1	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	76.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24355.D	1	12/05/08	NY	12/02/08	OP27307	GLL908
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	11	6.5	mg/kg	
	TPH (> C22-C36)	ND	11	6.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	89%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB24-27		
Lab Sample ID:	F61771-2	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	69.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054571.D	1	12/03/08	MM	11/25/08 12:46	n/a	VG2063
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.58 g	5.0 ml	20.0 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	22000	11000	ug/kg	
75-05-8	Acetonitrile	ND	22000	7000	ug/kg	
107-02-8	Acrolein	ND	11000	4300	ug/kg	
107-13-1	Acrylonitrile	ND	11000	3000	ug/kg	
107-05-1	Allyl chloride	ND	11000	2200	ug/kg	
71-43-2	Benzene	9730	2200	440	ug/kg	
100-44-7	Benzyl Chloride	ND	2200	480	ug/kg	
108-86-1	Bromobenzene	ND	2200	440	ug/kg	
74-97-5	Bromochloromethane	ND	2200	740	ug/kg	
75-27-4	Bromodichloromethane	ND	2200	520	ug/kg	
75-25-2	Bromoform	ND	2200	660	ug/kg	
104-51-8	n-Butylbenzene	ND	2200	610	ug/kg	
135-98-8	sec-Butylbenzene	1020	2200	480	ug/kg	J
98-06-6	tert-Butylbenzene	495	2200	480	ug/kg	J
108-90-7	Chlorobenzene	ND	2200	440	ug/kg	
75-00-3	Chloroethane	ND	2200	870	ug/kg	
67-66-3	Chloroform	ND	2200	740	ug/kg	
544-10-5	1-Chlorohexane	ND	2200	570	ug/kg	
95-49-8	o-Chlorotoluene	ND	2200	440	ug/kg	
106-43-4	p-Chlorotoluene	ND	2200	440	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	11000	4400	ug/kg	
75-15-0	Carbon disulfide	481	2200	480	ug/kg	J
56-23-5	Carbon tetrachloride	ND	2200	610	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2200	870	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	2200	570	ug/kg	
563-58-6	1,1-Dichloropropene	ND	2200	610	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2200	1000	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2200	440	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2200	480	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2200	610	ug/kg	
142-28-9	1,3-Dichloropropane	ND	2200	440	ug/kg	
594-20-7	2,2-Dichloropropane	ND	2200	920	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB24-27		
Lab Sample ID:	F61771-2	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	69.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	2200	440	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2200	870	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	2200	700	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2200	570	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	11000	2200	ug/kg	
541-73-1	m-Dichlorobenzene	ND	2200	440	ug/kg	
95-50-1	o-Dichlorobenzene	ND	2200	440	ug/kg	
106-46-7	p-Dichlorobenzene	ND	2200	440	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	2200	520	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2200	440	ug/kg	
100-41-4	Ethylbenzene	ND	2200	440	ug/kg	
97-63-2	Ethyl methacrylate	ND	11000	2200	ug/kg	
76-13-1	Freon 113	ND	2200	1100	ug/kg	
591-78-6	2-Hexanone	ND	11000	2200	ug/kg	
87-68-3	Hexachlorobutadiene	ND	2200	520	ug/kg	
110-54-3	Hexane	6130	2200	1000	ug/kg	
98-82-8	Isopropylbenzene	59800	2200	480	ug/kg	
99-87-6	p-Isopropyltoluene	ND	2200	480	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	11000	2800	ug/kg	
126-98-7	Methacrylonitrile	ND	11000	2400	ug/kg	
74-83-9	Methyl bromide	ND	2200	960	ug/kg	
74-87-3	Methyl chloride	ND	2200	1000	ug/kg	
74-88-4	Methyl iodide	ND	4400	870	ug/kg	
80-62-6	Methyl methacrylate	ND	11000	2200	ug/kg	
74-95-3	Methylene bromide	ND	2200	660	ug/kg	
75-09-2	Methylene chloride [a]	4340	4400	2200	ug/kg	JB
78-93-3	Methyl ethyl ketone	ND	11000	3600	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2200	660	ug/kg	
91-20-3	Naphthalene	ND	2200	870	ug/kg	
76-01-7	Pentachloroethane	ND	11000	2200	ug/kg	
107-12-0	Propionitrile	ND	22000	5200	ug/kg	
103-65-1	n-Propylbenzene	2650	2200	520	ug/kg	
100-42-5	Styrene	ND	2200	440	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2200	440	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2200	480	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2200	790	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2200	440	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	2200	870	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	2200	830	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	2200	870	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB24-27		
Lab Sample ID:	F61771-2	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	69.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	21600	2200	440	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	6580	2200	440	ug/kg	
127-18-4	Tetrachloroethylene	ND	2200	520	ug/kg	
108-88-3	Toluene	3870	2200	440	ug/kg	
79-01-6	Trichloroethylene	ND	2200	520	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2200	870	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	11000	2200	ug/kg	
75-01-4	Vinyl chloride	ND	2200	870	ug/kg	
108-05-4	Vinyl Acetate	ND	11000	5200	ug/kg	
	m,p-Xylene	26700	4400	830	ug/kg	
95-47-6	o-Xylene	17000	2200	440	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-121%
2037-26-5	Toluene-D8	92%		71-130%
460-00-4	4-Bromofluorobenzene	97%		59-148%
17060-07-0	1,2-Dichloroethane-D4	112%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB24-27		
Lab Sample ID:	F61771-2	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	69.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045006.D	1	12/05/08	AH	11/25/08 12:46	n/a	GQR1958
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.58 g	5.0 ml	2.5 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1500	350	170	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	103%		56-136%
98-08-8	aaa-Trifluorotoluene	113% [a]		61-121%
98-08-8	aaa-Trifluorotoluene	134% [b]		61-121%

(a) Result reported from PID.
(b) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB24-27		
Lab Sample ID:	F61771-2	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	69.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24378.D	1	12/05/08	NY	12/02/08	OP27307	GLL908
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22) [a]	17.3	12	7.2	mg/kg	
	TPH (> C22-C36)	ND	12	7.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		49-108%

(a) Petroleum hydrocarbon pattern begins before C10.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB24-40		
Lab Sample ID:	F61771-3	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054572.D	1	12/03/08	MM	11/25/08 12:46	n/a	VG2063
Run #2							

	Initial Weight
Run #1	5.28 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	82.8	57	28	ug/kg	
75-05-8	Acetonitrile	ND	57	18	ug/kg	
107-02-8	Acrolein	ND	28	11	ug/kg	
107-13-1	Acrylonitrile	ND	28	7.9	ug/kg	
107-05-1	Allyl chloride	ND	28	5.7	ug/kg	
71-43-2	Benzene	ND	5.7	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.7	1.3	ug/kg	
108-86-1	Bromobenzene	ND	5.7	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.7	1.9	ug/kg	
75-27-4	Bromodichloromethane	ND	5.7	1.4	ug/kg	
75-25-2	Bromoform	ND	5.7	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	5.7	1.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.7	1.3	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.7	1.3	ug/kg	
108-90-7	Chlorobenzene	ND	5.7	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.7	2.3	ug/kg	
67-66-3	Chloroform	ND	5.7	1.9	ug/kg	
544-10-5	1-Chlorohexane	ND	5.7	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.7	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.7	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	28	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.7	1.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.7	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.7	2.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.7	1.5	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.7	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.7	2.7	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.7	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	1.8	5.7	1.3	ug/kg	J
78-87-5	1,2-Dichloropropane	ND	5.7	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.7	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.7	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB24-40		
Lab Sample ID:	F61771-3	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.7	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.7	2.3	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.7	1.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.7	1.5	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	28	5.7	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.7	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	2.0	5.7	1.1	ug/kg	J
106-46-7	p-Dichlorobenzene	ND	5.7	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.7	1.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.7	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.7	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	28	5.7	ug/kg	
76-13-1	Freon 113	ND	5.7	3.0	ug/kg	
591-78-6	2-Hexanone	ND	28	5.7	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.7	1.4	ug/kg	
110-54-3	Hexane	ND	5.7	2.7	ug/kg	
98-82-8	Isopropylbenzene	ND	5.7	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.7	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	28	7.3	ug/kg	
126-98-7	Methacrylonitrile	ND	28	6.3	ug/kg	
74-83-9	Methyl bromide	ND	5.7	2.5	ug/kg	
74-87-3	Methyl chloride	ND	5.7	2.7	ug/kg	
74-88-4	Methyl iodide	ND	11	2.3	ug/kg	
80-62-6	Methyl methacrylate	ND	28	5.7	ug/kg	
74-95-3	Methylene bromide	ND	5.7	1.7	ug/kg	
75-09-2	Methylene chloride	ND	11	5.7	ug/kg	
78-93-3	Methyl ethyl ketone	ND	28	9.5	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.7	1.7	ug/kg	
91-20-3	Naphthalene	ND	5.7	2.3	ug/kg	
76-01-7	Pentachloroethane	ND	28	5.7	ug/kg	
107-12-0	Propionitrile	ND	57	14	ug/kg	
103-65-1	n-Propylbenzene	ND	5.7	1.4	ug/kg	
100-42-5	Styrene	ND	5.7	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.7	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.7	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.7	2.1	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.7	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.7	2.3	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.7	2.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.7	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB24-40		
Lab Sample ID:	F61771-3	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.7	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.7	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.7	1.4	ug/kg	
108-88-3	Toluene	ND	5.7	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.7	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.7	2.3	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	28	5.7	ug/kg	
75-01-4	Vinyl chloride	ND	5.7	2.3	ug/kg	
108-05-4	Vinyl Acetate	ND	28	14	ug/kg	
	m,p-Xylene	ND	11	2.2	ug/kg	
95-47-6	o-Xylene	ND	5.7	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-121%
2037-26-5	Toluene-D8	89%		71-130%
460-00-4	4-Bromofluorobenzene	96%		59-148%
17060-07-0	1,2-Dichloroethane-D4	107%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB24-40		
Lab Sample ID:	F61771-3	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	83.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR044998.D	1	12/05/08	AH	11/25/08 12:46	n/a	GQR1958
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.35 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.6	3.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%		56-136%
98-08-8	aaa-Trifluorotoluene	81%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB24-40		
Lab Sample ID:	F61771-3	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	83.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24357.D	1	12/05/08	NY	12/02/08	OP27307	GLL908
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.0	mg/kg	
	TPH (> C22-C36)	ND	10	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	94%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB25-20		
Lab Sample ID:	F61771-4	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	73.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054584.D	1	12/04/08	MM	11/25/08 12:46	n/a	VG2064
Run #2							

	Initial Weight
Run #1	6.00 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	56	28	ug/kg	
75-05-8	Acetonitrile	ND	56	18	ug/kg	
107-02-8	Acrolein	ND	28	11	ug/kg	
107-13-1	Acrylonitrile	ND	28	7.8	ug/kg	
107-05-1	Allyl chloride	ND	28	5.6	ug/kg	
71-43-2	Benzene	54.5	5.6	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.6	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.6	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.6	1.9	ug/kg	
75-27-4	Bromodichloromethane	ND	5.6	1.4	ug/kg	
75-25-2	Bromoform	ND	5.6	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	5.6	1.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.6	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.6	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.6	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.6	2.3	ug/kg	
67-66-3	Chloroform	ND	5.6	1.9	ug/kg	
544-10-5	1-Chlorohexane	ND	5.6	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.6	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.6	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	28	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.6	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.6	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.6	2.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.6	1.5	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.6	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.6	2.7	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.6	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.6	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.6	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.6	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.6	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB25-20		
Lab Sample ID:	F61771-4	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	73.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.6	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.6	2.3	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.6	1.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.6	1.5	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	28	5.6	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.6	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.6	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.6	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.6	1.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.6	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.6	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	28	5.6	ug/kg	
76-13-1	Freon 113 [a]	ND	5.6	2.9	ug/kg	
591-78-6	2-Hexanone	ND	28	5.6	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.6	1.4	ug/kg	
110-54-3	Hexane	ND	5.6	2.7	ug/kg	
98-82-8	Isopropylbenzene	11.6	5.6	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.6	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	28	7.2	ug/kg	
126-98-7	Methacrylonitrile	ND	28	6.2	ug/kg	
74-83-9	Methyl bromide	ND	5.6	2.5	ug/kg	
74-87-3	Methyl chloride	ND	5.6	2.7	ug/kg	
74-88-4	Methyl iodide	ND	11	2.3	ug/kg	
80-62-6	Methyl methacrylate	ND	28	5.6	ug/kg	
74-95-3	Methylene bromide	ND	5.6	1.7	ug/kg	
75-09-2	Methylene chloride	ND	11	5.6	ug/kg	
78-93-3	Methyl ethyl ketone	ND	28	9.4	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.6	1.7	ug/kg	
91-20-3	Naphthalene	ND	5.6	2.3	ug/kg	
76-01-7	Pentachloroethane	ND	28	5.6	ug/kg	
107-12-0	Propionitrile	ND	56	14	ug/kg	
103-65-1	n-Propylbenzene	ND	5.6	1.4	ug/kg	
100-42-5	Styrene	ND	5.6	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.6	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.6	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.6	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.6	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene [a]	ND	5.6	2.3	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.6	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB25-20		
Lab Sample ID:	F61771-4	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	73.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.6	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.6	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.6	1.4	ug/kg	
108-88-3	Toluene	ND	5.6	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.6	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.6	2.3	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	28	5.6	ug/kg	
75-01-4	Vinyl chloride	ND	5.6	2.3	ug/kg	
108-05-4	Vinyl Acetate	ND	28	14	ug/kg	
	m,p-Xylene	ND	11	2.1	ug/kg	
95-47-6	o-Xylene	ND	5.6	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-121%
2037-26-5	Toluene-D8	91%		71-130%
460-00-4	4-Bromofluorobenzene	93%		59-148%
17060-07-0	1,2-Dichloroethane-D4	115%		77-123%

(a) CCV outside of control limits; results may be biased low.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB25-20		
Lab Sample ID:	F61771-4	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	73.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR044999.D	1	12/05/08	AH	11/25/08 12:46	n/a	GQR1958
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.79 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.6	3.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%		56-136%
98-08-8	aaa-Trifluorotoluene	77%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB25-20		
Lab Sample ID:	F61771-4	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	73.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24358.D	1	12/05/08	NY	12/02/08	OP27307	GLL908
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	11	6.8	mg/kg	
	TPH (> C22-C36)	ND	11	6.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	87%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB25-24		
Lab Sample ID:	F61771-5	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054573.D	1	12/03/08	MM	11/25/08 12:46	n/a	VG2063
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.72 g	5.0 ml	20.0 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	16000	7800	ug/kg	
75-05-8	Acetonitrile	ND	16000	5000	ug/kg	
107-02-8	Acrolein	ND	7800	3100	ug/kg	
107-13-1	Acrylonitrile	ND	7800	2200	ug/kg	
107-05-1	Allyl chloride	ND	7800	1600	ug/kg	
71-43-2	Benzene	5310	1600	310	ug/kg	
100-44-7	Benzyl Chloride	ND	1600	340	ug/kg	
108-86-1	Bromobenzene	ND	1600	310	ug/kg	
74-97-5	Bromochloromethane	ND	1600	530	ug/kg	
75-27-4	Bromodichloromethane	ND	1600	370	ug/kg	
75-25-2	Bromoform	ND	1600	470	ug/kg	
104-51-8	n-Butylbenzene	ND	1600	440	ug/kg	
135-98-8	sec-Butylbenzene	1870	1600	340	ug/kg	
98-06-6	tert-Butylbenzene	698	1600	340	ug/kg	J
108-90-7	Chlorobenzene	ND	1600	310	ug/kg	
75-00-3	Chloroethane	ND	1600	620	ug/kg	
67-66-3	Chloroform	ND	1600	530	ug/kg	
544-10-5	1-Chlorohexane	ND	1600	410	ug/kg	
95-49-8	o-Chlorotoluene	ND	1600	310	ug/kg	
106-43-4	p-Chlorotoluene	ND	1600	310	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	7800	3100	ug/kg	
75-15-0	Carbon disulfide	ND	1600	340	ug/kg	
56-23-5	Carbon tetrachloride	ND	1600	440	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1600	620	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	1600	410	ug/kg	
563-58-6	1,1-Dichloropropene	ND	1600	440	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1600	750	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1600	310	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1600	340	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1600	440	ug/kg	
142-28-9	1,3-Dichloropropane	ND	1600	310	ug/kg	
594-20-7	2,2-Dichloropropane	ND	1600	660	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB25-24		
Lab Sample ID:	F61771-5	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1600	310	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	1600	620	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	1600	500	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1600	410	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	7800	1600	ug/kg	
541-73-1	m-Dichlorobenzene	ND	1600	310	ug/kg	
95-50-1	o-Dichlorobenzene	ND	1600	310	ug/kg	
106-46-7	p-Dichlorobenzene	ND	1600	310	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	1600	370	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1600	310	ug/kg	
100-41-4	Ethylbenzene	6530	1600	310	ug/kg	
97-63-2	Ethyl methacrylate	ND	7800	1600	ug/kg	
76-13-1	Freon 113	ND	1600	810	ug/kg	
591-78-6	2-Hexanone	ND	7800	1600	ug/kg	
87-68-3	Hexachlorobutadiene	ND	1600	370	ug/kg	
110-54-3	Hexane	ND	1600	750	ug/kg	
98-82-8	Isopropylbenzene	53100	1600	340	ug/kg	
99-87-6	p-Isopropyltoluene	ND	1600	340	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	7800	2000	ug/kg	
126-98-7	Methacrylonitrile	ND	7800	1700	ug/kg	
74-83-9	Methyl bromide	ND	1600	690	ug/kg	
74-87-3	Methyl chloride	ND	1600	750	ug/kg	
74-88-4	Methyl iodide	ND	3100	620	ug/kg	
80-62-6	Methyl methacrylate	ND	7800	1600	ug/kg	
74-95-3	Methylene bromide	ND	1600	470	ug/kg	
75-09-2	Methylene chloride [a]	3300	3100	1600	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	7800	2600	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1600	470	ug/kg	
91-20-3	Naphthalene	ND	1600	620	ug/kg	
76-01-7	Pentachloroethane	ND	7800	1600	ug/kg	
107-12-0	Propionitrile	ND	16000	3700	ug/kg	
103-65-1	n-Propylbenzene	3010	1600	370	ug/kg	
100-42-5	Styrene	ND	1600	310	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1600	310	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1600	340	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1600	560	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1600	310	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	1600	620	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	1600	590	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	1600	620	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB25-24		
Lab Sample ID:	F61771-5	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	1600	310	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	1600	310	ug/kg	
127-18-4	Tetrachloroethylene	ND	1600	370	ug/kg	
108-88-3	Toluene	ND	1600	310	ug/kg	
79-01-6	Trichloroethylene	ND	1600	370	ug/kg	
75-69-4	Trichlorofluoromethane	ND	1600	620	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	7800	1600	ug/kg	
75-01-4	Vinyl chloride	ND	1600	620	ug/kg	
108-05-4	Vinyl Acetate	ND	7800	3700	ug/kg	
	m,p-Xylene	ND	3100	590	ug/kg	
95-47-6	o-Xylene	ND	1600	310	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-121%
2037-26-5	Toluene-D8	92%		71-130%
460-00-4	4-Bromofluorobenzene	95%		59-148%
17060-07-0	1,2-Dichloroethane-D4	109%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB25-24		
Lab Sample ID:	F61771-5A	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015	**Percent Solids:**	83.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045007.D	1	12/05/08	AH	n/a	n/a	GQR1958
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.72 g	5.0 ml	2.5 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1600	250	120	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	115%		56-136%
98-08-8	aaa-Trifluorotoluene	97%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB25-24		
Lab Sample ID:	F61771-5A	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	83.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24362.D	1	12/05/08	NY	12/02/08	OP27307	GLL908
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.9	5.9	mg/kg	
	TPH (> C22-C36)	ND	9.9	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	82%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB25-35		
Lab Sample ID:	F61771-6	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	76.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054574.D	1	12/03/08	MM	11/25/08 12:46	n/a	VG2063
Run #2							

	Initial Weight
Run #1	5.65 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	58	29	ug/kg	
75-05-8	Acetonitrile	ND	58	19	ug/kg	
107-02-8	Acrolein	ND	29	11	ug/kg	
107-13-1	Acrylonitrile	ND	29	8.0	ug/kg	
107-05-1	Allyl chloride	ND	29	5.8	ug/kg	
71-43-2	Benzene	3.8	5.8	1.2	ug/kg	J
100-44-7	Benzyl Chloride	ND	5.8	1.3	ug/kg	
108-86-1	Bromobenzene	ND	5.8	1.2	ug/kg	
74-97-5	Bromochloromethane	ND	5.8	2.0	ug/kg	
75-27-4	Bromodichloromethane	ND	5.8	1.4	ug/kg	
75-25-2	Bromoform	ND	5.8	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	5.8	1.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.8	1.3	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.8	1.3	ug/kg	
108-90-7	Chlorobenzene	ND	5.8	1.2	ug/kg	
75-00-3	Chloroethane	ND	5.8	2.3	ug/kg	
67-66-3	Chloroform	ND	5.8	2.0	ug/kg	
544-10-5	1-Chlorohexane	ND	5.8	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.8	1.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.8	1.2	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	29	12	ug/kg	
75-15-0	Carbon disulfide	ND	5.8	1.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.8	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.8	2.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.8	1.5	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.8	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.8	2.8	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.8	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.8	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.8	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.8	1.2	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.8	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB25-35		
Lab Sample ID:	F61771-6	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	76.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.8	1.2	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.8	2.3	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.8	1.9	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.8	1.5	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	29	5.8	ug/kg	
541-73-1	m-Dichlorobenzene	2.4	5.8	1.2	ug/kg	J
95-50-1	o-Dichlorobenzene	8.7	5.8	1.2	ug/kg	
106-46-7	p-Dichlorobenzene	3.2	5.8	1.2	ug/kg	J
156-60-5	trans-1,2-Dichloroethylene	ND	5.8	1.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.8	1.2	ug/kg	
100-41-4	Ethylbenzene	ND	5.8	1.2	ug/kg	
97-63-2	Ethyl methacrylate	ND	29	5.8	ug/kg	
76-13-1	Freon 113	ND	5.8	3.0	ug/kg	
591-78-6	2-Hexanone	ND	29	5.8	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.8	1.4	ug/kg	
110-54-3	Hexane	ND	5.8	2.8	ug/kg	
98-82-8	Isopropylbenzene	16.0	5.8	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.8	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	29	7.5	ug/kg	
126-98-7	Methacrylonitrile	ND	29	6.4	ug/kg	
74-83-9	Methyl bromide	ND	5.8	2.6	ug/kg	
74-87-3	Methyl chloride	ND	5.8	2.8	ug/kg	
74-88-4	Methyl iodide	ND	12	2.3	ug/kg	
80-62-6	Methyl methacrylate	ND	29	5.8	ug/kg	
74-95-3	Methylene bromide	ND	5.8	1.7	ug/kg	
75-09-2	Methylene chloride	ND	12	5.8	ug/kg	
78-93-3	Methyl ethyl ketone	ND	29	9.7	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.8	1.7	ug/kg	
91-20-3	Naphthalene	ND	5.8	2.3	ug/kg	
76-01-7	Pentachloroethane	ND	29	5.8	ug/kg	
107-12-0	Propionitrile	ND	58	14	ug/kg	
103-65-1	n-Propylbenzene	ND	5.8	1.4	ug/kg	
100-42-5	Styrene	ND	5.8	1.2	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.8	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.8	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.8	2.1	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.8	1.2	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.8	2.3	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.8	2.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.8	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB25-35		
Lab Sample ID:	F61771-6	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	76.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.8	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.8	1.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.8	1.4	ug/kg	
108-88-3	Toluene	ND	5.8	1.2	ug/kg	
79-01-6	Trichloroethylene	ND	5.8	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.8	2.3	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	29	5.8	ug/kg	
75-01-4	Vinyl chloride	ND	5.8	2.3	ug/kg	
108-05-4	Vinyl Acetate	ND	29	14	ug/kg	
	m,p-Xylene	ND	12	2.2	ug/kg	
95-47-6	o-Xylene	ND	5.8	1.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-121%
2037-26-5	Toluene-D8	89%		71-130%
460-00-4	4-Bromofluorobenzene	97%		59-148%
17060-07-0	1,2-Dichloroethane-D4	113%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB25-35		
Lab Sample ID:	F61771-6	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	76.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045003.D	1	12/05/08	AH	11/25/08 12:46	n/a	GQR1958
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.10 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.0	3.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	88%		56-136%
98-08-8	aaa-Trifluorotoluene	75%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB25-35		
Lab Sample ID:	F61771-6	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	76.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24361.D	1	12/05/08	NY	12/02/08	OP27307	GLL908
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	11	6.5	mg/kg	
	TPH (> C22-C36)	ND	11	6.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	91%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61771-7	**Date Sampled:**	11/23/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/25/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054575.D	1	12/03/08	MM	n/a	n/a	VG2063
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61771-7	**Date Sampled:**	11/23/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/25/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride [a]	5.7	10	5.0	ug/kg	JB
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61771-7	**Date Sampled:**	11/23/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/25/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-121%
2037-26-5	Toluene-D8	90%		71-130%
460-00-4	4-Bromofluorobenzene	97%		59-148%
17060-07-0	1,2-Dichloroethane-D4	111%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

F61771

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

Page 1 of 1

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number (1): 11-24-2008-4

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Greg Kinsman / Dusty McNeil

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code (2)	Sample Number (3)	Sample Matrix (4)	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)						Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
									Sample Analysis Requested (5)										Quality Assurance Samples (6)			
1	SS61-SB24-16	SS61-SB24	23-11-2008	1420	16-18	N	01	SO	5	X	X	X										4
2	SS61-SB24-27	SS61-SB24	23-11-2008	1430	25-27	N	01	SO	5	X	X	X										4
3	SS61-SB24-40	SS61-SB24	23-11-2008	1440	38-40	N	01	SO	5	X	X	X										4
4	SS61-SB25-20	SS61-SB25	23-11-2008	1600	18-20	N	01	SO	5	X	X	X										4
4A	SS61-SB25-20-MS	SS61-SB25	23-11-2008	1600	18-20	MS	01	SO	5	X	X	X										4
4B	SS61-SB25-20-MSD	SS61-SB25	23-11-2008	1600	18-20	SD	01	SO	5	X	X	X										4
5	SS61-SB25-24	SS61-SB25	23-11-2008	1615	22-24	N	01	SO	5	X	X	X										4
6	SS61-SB25-35	SS61-SB25	23-11-2008	1630	33-35	N	01	SO	5	X	X	X										4
7	Trip Blank				-	TB		WQ	3													4
					-																	
					-																	

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

~~X~~ RUSH VOC Analysis for Sample SS61-SB25-24

Note: VOC encores packed with dry ice

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time		Received by (signed)	Date	Time
1.	~~JH~~ Mann	11/24/08	1400	1.	FX		
2.	FX	11/25/08	9:00	2.		11/25/08	9:00
3.				3.			

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: _____ Shipped No.: _____

Method of Shipment: _____ Airbill Number: _____

Analytical Lab: Accutest Laboratories Delivery Location: _____

Lab Recipient: _____ Delivery Date/Time: _____

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-s) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

3.2

4.1 4

F61771: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61771 CLIENT: BHATE PROJECT: SS-61

DATE/TIME RECEIVED: 11/25/08 9:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 3.2

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8668 3474 8640

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [X] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ?

NUMBER OF 5035 FIELD KITS ?

NUMBER OF LAB FILTERED METALS ?

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE: 11/25/08 TECHNICIAN SIGNATURE/DATE: JC 11-25-08 ASBD 12/17/07

4.1 4

F61771: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61771
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2063-MB	G0054551.D	1	12/03/08	MM	n/a	n/a	VG2063

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61771-1, F61771-2, F61771-3, F61771-5, F61771-6, F61771-7

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61771
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2063-MB	G0054551.D	1	12/03/08	MM	n/a	n/a	VG2063

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61771-1, F61771-2, F61771-3, F61771-5, F61771-6, F61771-7

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	8.9	10	5.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F61771
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2063-MB	G0054551.D	1	12/03/08	MM	n/a	n/a	VG2063

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61771-1, F61771-2, F61771-3, F61771-5, F61771-6, F61771-7

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	80-121%
2037-26-5	Toluene-D8	92%	71-130%
460-00-4	4-Bromofluorobenzene	96%	59-148%
17060-07-0	1,2-Dichloroethane-D4	111%	77-123%

Method Blank Summary

Job Number: F61771
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2064-MB	G0054581.D	1	12/04/08	MM	n/a	n/a	VG2064

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61771-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61771
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2064-MB	G0054581.D	1	12/04/08	MM	n/a	n/a	VG2064

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61771-4

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F61771
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2064-MB	G0054581.D	1	12/04/08	MM	n/a	n/a	VG2064

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61771-4

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	80-121%
2037-26-5	Toluene-D8	87%	71-130%
460-00-4	4-Bromofluorobenzene	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	113%	77-123%

Blank Spike Summary

Job Number: F61771
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2063-BS	G0054550.D	1	12/03/08	MM	n/a	n/a	VG2063

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61771-1, F61771-2, F61771-3, F61771-5, F61771-6, F61771-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	179	72	61-144
75-05-8	Acetonitrile	500	477	95	59-139
107-02-8	Acrolein	250	66.6	27	27-156
107-13-1	Acrylonitrile	250	248	99	55-144
107-05-1	Allyl chloride	50	46.5	93	41-152
71-43-2	Benzene	50	51.5	103	78-130
100-44-7	Benzyl Chloride	50	45.5	91	74-130
108-86-1	Bromobenzene	50	51.5	103	78-123
74-97-5	Bromochloromethane	50	43.5	87	72-122
75-27-4	Bromodichloromethane	50	48.2	96	73-122
75-25-2	Bromoform	50	47.6	95	70-139
104-51-8	n-Butylbenzene	50	55.0	110	80-138
135-98-8	sec-Butylbenzene	50	55.0	110	82-132
98-06-6	tert-Butylbenzene	50	53.1	106	79-130
108-90-7	Chlorobenzene	50	50.3	101	83-122
75-00-3	Chloroethane	50	47.6	95	61-153
67-66-3	Chloroform	50	51.3	103	79-129
544-10-5	1-Chlorohexane	50	45.8	92	85-137
95-49-8	o-Chlorotoluene	50	52.1	104	77-123
106-43-4	p-Chlorotoluene	50	52.8	106	78-129
110-75-8	2-Chloroethyl vinyl ether	250	309	124	52-142
75-15-0	Carbon disulfide	50	39.1	78	61-142
56-23-5	Carbon tetrachloride	50	49.8	100	79-135
75-34-3	1,1-Dichloroethane	50	49.7	99	77-132
75-35-4	1,1-Dichloroethylene	50	46.2	92	66-132
563-58-6	1,1-Dichloropropene	50	48.6	97	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	50.8	102	67-129
106-93-4	1,2-Dibromoethane	50	45.8	92	77-126
107-06-2	1,2-Dichloroethane	50	46.3	93	78-129
78-87-5	1,2-Dichloropropane	50	49.3	99	74-127
142-28-9	1,3-Dichloropropane	50	45.2	90	78-118
594-20-7	2,2-Dichloropropane	50	52.0	104	80-137
124-48-1	Dibromochloromethane	50	48.2	96	78-117
75-71-8	Dichlorodifluoromethane	50	33.8	68	35-162
156-59-2	cis-1,2-Dichloroethylene	50	47.0	94	74-123
10061-01-5	cis-1,3-Dichloropropene	50	51.2	102	79-130

Blank Spike Summary

Job Number: F61771
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2063-BS	G0054550.D	1	12/03/08	MM	n/a	n/a	VG2063

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61771-1, F61771-2, F61771-3, F61771-5, F61771-6, F61771-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	49.0	98	71-126
541-73-1	m-Dichlorobenzene	50	54.0	108	82-126
95-50-1	o-Dichlorobenzene	50	52.5	105	83-123
106-46-7	p-Dichlorobenzene	50	53.2	106	84-124
156-60-5	trans-1,2-Dichloroethylene	50	46.4	93	77-129
10061-02-6	trans-1,3-Dichloropropene	50	52.8	106	87-131
100-41-4	Ethylbenzene	50	50.9	102	82-124
97-63-2	Ethyl methacrylate	50	44.2	88	78-118
76-13-1	Freon 113	50	46.9	94	62-147
591-78-6	2-Hexanone	250	224	90	67-130
87-68-3	Hexachlorobutadiene	50	31.3	63*	77-150
110-54-3	Hexane	50	56.6	113	65-147
98-82-8	Isopropylbenzene	50	54.0	108	82-133
99-87-6	p-Isopropyltoluene	50	56.1	112	82-132
108-10-1	4-Methyl-2-pentanone	250	223	89	69-125
126-98-7	Methacrylonitrile	500	456	91	70-138
74-83-9	Methyl bromide	50	48.4	97	60-146
74-87-3	Methyl chloride	50	43.9	88	58-163
74-88-4	Methyl iodide	50	38.3	77	66-128
80-62-6	Methyl methacrylate	50	44.6	89	73-125
74-95-3	Methylene bromide	50	48.2	96	75-128
75-09-2	Methylene chloride	50	48.2	96	62-140
78-93-3	Methyl ethyl ketone	250	200	80	66-134
1634-04-4	Methyl Tert Butyl Ether	50	45.5	91	70-131
91-20-3	Naphthalene	50	52.6	105	59-143
76-01-7	Pentachloroethane	50	53.3	107	64-156
107-12-0	Propionitrile	500	440	88	73-133
103-65-1	n-Propylbenzene	50	51.6	103	78-129
100-42-5	Styrene	50	47.3	95	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	50.1	100	81-121
71-55-6	1,1,1-Trichloroethane	50	51.9	104	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	47.4	95	70-128
79-00-5	1,1,2-Trichloroethane	50	47.3	95	76-118
87-61-6	1,2,3-Trichlorobenzene	50	57.3	115	78-136
96-18-4	1,2,3-Trichloropropane	50	43.8	88	74-125
120-82-1	1,2,4-Trichlorobenzene	50	55.0	110	82-137

Blank Spike Summary

Job Number: F61771
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2063-BS	G0054550.D	1	12/03/08	MM	n/a	n/a	VG2063

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61771-1, F61771-2, F61771-3, F61771-5, F61771-6, F61771-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	53.5	107	77-129
108-67-8	1,3,5-Trimethylbenzene	50	53.6	107	79-129
127-18-4	Tetrachloroethylene	50	50.7	101	79-132
108-88-3	Toluene	50	48.6	97	80-123
79-01-6	Trichloroethylene	50	50.3	101	78-132
75-69-4	Trichlorofluoromethane	50	45.3	91	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	94.9	190*	74-138
75-01-4	Vinyl chloride	50	39.0	78	60-145
108-05-4	Vinyl Acetate	250	377	151	25-164
	m,p-Xylene	100	105	105	82-128
95-47-6	o-Xylene	50	51.2	102	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	80-121%
2037-26-5	Toluene-D8	94%	71-130%
460-00-4	4-Bromofluorobenzene	96%	59-148%
17060-07-0	1,2-Dichloroethane-D4	100%	77-123%

Blank Spike Summary

Job Number: F61771
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2064-BS	G0054580.D	1	12/04/08	MM	n/a	n/a	VG2064

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61771-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	183	73	61-144
75-05-8	Acetonitrile	500	1190	238*	59-139
107-02-8	Acrolein	250	31.2	12*	27-156
107-13-1	Acrylonitrile	250	258	103	55-144
107-05-1	Allyl chloride	50	55.7	111	41-152
71-43-2	Benzene	50	54.8	110	78-130
100-44-7	Benzyl Chloride	50	47.0	94	74-130
108-86-1	Bromobenzene	50	55.4	111	78-123
74-97-5	Bromochloromethane	50	47.9	96	72-122
75-27-4	Bromodichloromethane	50	54.2	108	73-122
75-25-2	Bromoform	50	52.7	105	70-139
104-51-8	n-Butylbenzene	50	57.9	116	80-138
135-98-8	sec-Butylbenzene	50	59.7	119	82-132
98-06-6	tert-Butylbenzene	50	57.1	114	79-130
108-90-7	Chlorobenzene	50	55.4	111	83-122
75-00-3	Chloroethane	50	39.6	79	61-153
67-66-3	Chloroform	50	56.9	114	79-129
544-10-5	1-Chlorohexane	50	51.6	103	85-137
95-49-8	o-Chlorotoluene	50	56.8	114	77-123
106-43-4	p-Chlorotoluene	50	57.5	115	78-129
110-75-8	2-Chloroethyl vinyl ether	250	317	127	52-142
75-15-0	Carbon disulfide	50	46.0	92	61-142
56-23-5	Carbon tetrachloride	50	53.3	107	79-135
75-34-3	1,1-Dichloroethane	50	54.8	110	77-132
75-35-4	1,1-Dichloroethylene	50	48.3	97	66-132
563-58-6	1,1-Dichloropropene	50	54.7	109	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	49.6	99	67-129
106-93-4	1,2-Dibromoethane	50	47.9	96	77-126
107-06-2	1,2-Dichloroethane	50	49.5	99	78-129
78-87-5	1,2-Dichloropropane	50	53.0	106	74-127
142-28-9	1,3-Dichloropropane	50	50.4	101	78-118
594-20-7	2,2-Dichloropropane	50	55.3	111	80-137
124-48-1	Dibromochloromethane	50	52.6	105	78-117
75-71-8	Dichlorodifluoromethane	50	30.2	60	35-162
156-59-2	cis-1,2-Dichloroethylene	50	52.8	106	74-123
10061-01-5	cis-1,3-Dichloropropene	50	56.6	113	79-130

Blank Spike Summary

Job Number: F61771
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2064-BS	G0054580.D	1	12/04/08	MM	n/a	n/a	VG2064

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61771-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	45.6	91	71-126
541-73-1	m-Dichlorobenzene	50	57.9	116	82-126
95-50-1	o-Dichlorobenzene	50	56.7	113	83-123
106-46-7	p-Dichlorobenzene	50	56.5	113	84-124
156-60-5	trans-1,2-Dichloroethylene	50	53.0	106	77-129
10061-02-6	trans-1,3-Dichloropropene	50	57.8	116	87-131
100-41-4	Ethylbenzene	50	55.0	110	82-124
97-63-2	Ethyl methacrylate	50	45.3	91	78-118
76-13-1	Freon 113	50	24.2	48*	62-147
591-78-6	2-Hexanone	250	230	92	67-130
87-68-3	Hexachlorobutadiene	50	58.3	117	77-150
110-54-3	Hexane	50	59.5	119	65-147
98-82-8	Isopropylbenzene	50	62.0	124	82-133
99-87-6	p-Isopropyltoluene	50	59.7	119	82-132
108-10-1	4-Methyl-2-pentanone	250	231	92	69-125
126-98-7	Methacrylonitrile	500	454	91	70-138
74-83-9	Methyl bromide	50	47.0	94	60-146
74-87-3	Methyl chloride	50	43.9	88	58-163
74-88-4	Methyl iodide	50	47.0	94	66-128
80-62-6	Methyl methacrylate	50	44.4	89	73-125
74-95-3	Methylene bromide	50	52.0	104	75-128
75-09-2	Methylene chloride	50	55.0	110	62-140
78-93-3	Methyl ethyl ketone	250	212	85	66-134
1634-04-4	Methyl Tert Butyl Ether	50	46.0	92	70-131
91-20-3	Naphthalene	50	35.3	71	59-143
76-01-7	Pentachloroethane	50	55.6	111	64-156
107-12-0	Propionitrile	500	446	89	73-133
103-65-1	n-Propylbenzene	50	56.9	114	78-129
100-42-5	Styrene	50	52.8	106	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	55.2	110	81-121
71-55-6	1,1,1-Trichloroethane	50	55.4	111	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	50.4	101	70-128
79-00-5	1,1,2-Trichloroethane	50	50.0	100	76-118
87-61-6	1,2,3-Trichlorobenzene	50	25.0	50*	78-136
96-18-4	1,2,3-Trichloropropane	50	47.0	94	74-125
120-82-1	1,2,4-Trichlorobenzene	50	45.8	92	82-137

Blank Spike Summary

Job Number: F61771
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2064-BS	G0054580.D	1	12/04/08	MM	n/a	n/a	VG2064

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61771-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	57.1	114	77-129
108-67-8	1,3,5-Trimethylbenzene	50	58.5	117	79-129
127-18-4	Tetrachloroethylene	50	54.1	108	79-132
108-88-3	Toluene	50	52.9	106	80-123
79-01-6	Trichloroethylene	50	54.3	109	78-132
75-69-4	Trichlorofluoromethane	50	40.9	82	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	96.7	193*	74-138
75-01-4	Vinyl chloride	50	36.4	73	60-145
108-05-4	Vinyl Acetate	250	382	153	25-164
	m,p-Xylene	100	116	116	82-128
95-47-6	o-Xylene	50	58.6	117	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	80-121%
2037-26-5	Toluene-D8	96%	71-130%
460-00-4	4-Bromofluorobenzene	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	101%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61771
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61775-2MS	G0054558.D	1	12/03/08	MM	n/a	n/a	VG2063
F61775-2MSD	G0054559.D	1	12/03/08	MM	n/a	n/a	VG2063
F61775-2 [a]	G0054557.D	1	12/03/08	MM	n/a	n/a	VG2063

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61771-1, F61771-2, F61771-3, F61771-5, F61771-6, F61771-7

CAS No.	Compound	F61775-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	31.0	J	305	167	45*	169	45*	1	61-144/29
75-05-8	Acetonitrile	ND		611	424	69	491	81	15	59-139/30
107-02-8	Acrolein	ND		305	27.2	9*	22.7	7*	18	27-156/39
107-13-1	Acrylonitrile	ND		305	302	99	330	108	9	55-144/24
107-05-1	Allyl chloride	ND		61.1	61.5	101	62.1	102	1	41-152/24
71-43-2	Benzene	ND		61.1	64.3	105	63.7	105	1	78-130/25
100-44-7	Benzyl Chloride	ND		61.1	43.4	71*	42.7	70*	2	74-130/28
108-86-1	Bromobenzene	ND		61.1	62.8	103	64.5	106	3	78-123/30
74-97-5	Bromochloromethane	ND		61.1	53.7	88	54.7	90	2	72-122/23
75-27-4	Bromodichloromethane	ND		61.1	60.4	99	61.7	101	2	73-122/25
75-25-2	Bromoform	ND		61.1	63.0	103	61.8	102	2	70-139/26
104-51-8	n-Butylbenzene	ND		61.1	63.9	105	65.3	107	2	80-138/31
135-98-8	sec-Butylbenzene	ND		61.1	66.7	109	69.5	114	4	82-132/29
98-06-6	tert-Butylbenzene	ND		61.1	65.4	107	66.6	109	2	79-130/29
108-90-7	Chlorobenzene	ND		61.1	62.6	102	60.8	100	3	83-122/23
75-00-3	Chloroethane	ND		61.1	56.0	92	55.0	90	2	61-153/31
67-66-3	Chloroform	ND		61.1	66.0	108	64.9	107	2	79-129/27
544-10-5	1-Chlorohexane	ND		61.1	57.1	93	56.2	92	2	85-137/29
95-49-8	o-Chlorotoluene	ND		61.1	63.2	103	65.3	107	3	77-123/31
106-43-4	p-Chlorotoluene	ND		61.1	62.8	103	64.4	106	3	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		305	403	132	413	136	2	52-142/25
75-15-0	Carbon disulfide	ND		61.1	50.4	82	51.6	85	2	61-142/27
56-23-5	Carbon tetrachloride	ND		61.1	64.7	106	64.8	107	0	79-135/29
75-34-3	1,1-Dichloroethane	ND		61.1	62.4	102	62.4	103	0	77-132/26
75-35-4	1,1-Dichloroethylene	ND		61.1	60.8	100	58.5	96	4	66-132/27
563-58-6	1,1-Dichloropropene	ND		61.1	64.7	106	62.9	103	3	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		61.1	70.8	116	64.4	106	9	67-129/29
106-93-4	1,2-Dibromoethane	ND		61.1	57.5	94	55.4	91	4	77-126/24
107-06-2	1,2-Dichloroethane	ND		61.1	58.4	96	60.1	99	3	78-129/24
78-87-5	1,2-Dichloropropane	ND		61.1	62.2	102	62.9	103	1	74-127/27
142-28-9	1,3-Dichloropropane	ND		61.1	56.9	93	57.2	94	1	78-118/26
594-20-7	2,2-Dichloropropane	ND		61.1	58.4	96	56.7	93	3	80-137/28
124-48-1	Dibromochloromethane	ND		61.1	62.0	101	58.1	96	6	78-117/27
75-71-8	Dichlorodifluoromethane	ND		61.1	35.6	58	41.6	68	16	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		61.1	57.6	94	58.0	95	1	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		61.1	61.9	101	63.0	104	2	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61771
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61775-2MS	G0054558.D	1	12/03/08	MM	n/a	n/a	VG2063
F61775-2MSD	G0054559.D	1	12/03/08	MM	n/a	n/a	VG2063
F61775-2 [a]	G0054557.D	1	12/03/08	MM	n/a	n/a	VG2063

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61771-1, F61771-2, F61771-3, F61771-5, F61771-6, F61771-7

CAS No.	Compound	F61775-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		61.1	57.3	94	63.1	104	10	71-126/28
541-73-1	m-Dichlorobenzene	ND		61.1	63.4	104	66.6	109	5	82-126/29
95-50-1	o-Dichlorobenzene	ND		61.1	64.5	106	65.7	108	2	83-123/28
106-46-7	p-Dichlorobenzene	ND		61.1	64.6	106	65.4	108	1	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		61.1	61.9	101	62.5	103	1	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		61.1	65.0	106	61.7	101	5	87-131/27
100-41-4	Ethylbenzene	ND		61.1	63.6	104	61.3	101	4	82-124/25
97-63-2	Ethyl methacrylate	ND		61.1	53.7	88	51.0	84	5	78-118/30
76-13-1	Freon 113	ND		61.1	36.7	60*	53.3	88	37*	62-147/29
591-78-6	2-Hexanone	ND		305	258	84	256	84	1	67-130/29
87-68-3	Hexachlorobutadiene	ND		61.1	69.6	114	68.5	113	2	77-150/36
110-54-3	Hexane	ND		61.1	59.0	97	60.2	99	2	65-147/27
98-82-8	Isopropylbenzene	ND		61.1	68.2	112	65.8	108	4	82-133/27
99-87-6	p-Isopropyltoluene	ND		61.1	65.0	106	67.5	111	4	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		305	295	97	286	94	3	69-125/24
126-98-7	Methacrylonitrile	ND		611	580	95	596	98	3	70-138/22
74-83-9	Methyl bromide	ND		61.1	65.1	107	62.0	102	5	60-146/31
74-87-3	Methyl chloride	ND		61.1	57.5	94	52.7	87	9	58-163/26
74-88-4	Methyl iodide	ND		61.1	47.2	77	47.3	78	0	66-128/27
80-62-6	Methyl methacrylate	ND		61.1	62.0	101	61.1	100	1	73-125/24
74-95-3	Methylene bromide	ND		61.1	61.6	101	60.9	100	1	75-128/26
75-09-2	Methylene chloride	4.8	JB	61.1	80.1	123	88.2	137	10	62-140/25
78-93-3	Methyl ethyl ketone	ND		305	209	68	214	70	2	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		61.1	54.7	90	57.7	95	5	70-131/25
91-20-3	Naphthalene	ND		61.1	61.2	100	67.2	110	9	59-143/31
76-01-7	Pentachloroethane	ND		61.1	58.6	96	61.7	101	5	64-156/37
107-12-0	Propionitrile	ND		611	553	91	563	93	2	73-133/23
103-65-1	n-Propylbenzene	ND		61.1	63.4	104	63.7	105	0	78-129/29
100-42-5	Styrene	ND		61.1	58.7	96	57.1	94	3	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		61.1	61.1	100	59.7	98	2	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		61.1	65.0	106	65.2	107	0	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		61.1	61.2	100	63.4	104	4	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		61.1	62.4	102	57.0	94	9	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		61.1	58.5	96	67.0	110	14	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		61.1	57.6	94	55.9	92	3	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		61.1	63.3	104	67.9	112	7	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61771
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61775-2MS	G0054558.D	1	12/03/08	MM	n/a	n/a	VG2063
F61775-2MSD	G0054559.D	1	12/03/08	MM	n/a	n/a	VG2063
F61775-2 [a]	G0054557.D	1	12/03/08	MM	n/a	n/a	VG2063

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61771-1, F61771-2, F61771-3, F61771-5, F61771-6, F61771-7

CAS No.	Compound	F61775-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		61.1	65.2	107	65.3	107	0	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		61.1	65.2	107	65.9	108	1	79-129/31
127-18-4	Tetrachloroethylene	ND		61.1	66.5	109	66.6	109	0	79-132/27
108-88-3	Toluene	ND		61.1	61.0	100	58.9	97	4	80-123/26
79-01-6	Trichloroethylene	ND		61.1	63.8	104	62.2	102	3	78-132/28
75-69-4	Trichlorofluoromethane	ND		61.1	55.6	91	54.4	89	2	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		61.1	119	195*	119	196*	0	74-138/30
75-01-4	Vinyl chloride	ND		61.1	52.6	86	49.8	82	5	60-145/29
108-05-4	Vinyl Acetate	ND		305	119	39	127	42	7	25-164/35
	m,p-Xylene	ND		122	129	106	129	106	0	82-128/25
95-47-6	o-Xylene	ND		61.1	64.6	106	64.0	105	1	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61775-2	Limits
1868-53-7	Dibromofluoromethane	99%	103%	107%	80-121%
2037-26-5	Toluene-D8	95%	93%	90%	71-130%
460-00-4	4-Bromofluorobenzene	94%	97%	101%	59-148%
17060-07-0	1,2-Dichloroethane-D4	102%	96%	110%	77-123%

(a) En Core samples were not preserved within 48 hours.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61771
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61771-4MS	G0054585.D	1	12/04/08	MM	n/a	n/a	VG2064
F61771-4MSD	G0054586.D	1	12/04/08	MM	n/a	n/a	VG2064
F61771-4	G0054584.D	1	12/04/08	MM	n/a	n/a	VG2064

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61771-4

CAS No.	Compound	F61771-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		297	206	69	185	62	11	61-144/29
75-05-8	Acetonitrile	ND		594	1420	239*	1380	232*	3	59-139/30
107-02-8	Acrolein	ND		297	18.4	6*	21.6	7*	16	27-156/39
107-13-1	Acrylonitrile	ND		297	359	121	357	120	1	55-144/24
107-05-1	Allyl chloride	ND		59.4	54.7	92	59.0	99	8	41-152/24
71-43-2	Benzene	54.5		59.4	56.4	3*	58.9	7*	4	78-130/25
100-44-7	Benzyl Chloride	ND		59.4	52.2	88	49.3	83	6	74-130/28
108-86-1	Bromobenzene	ND		59.4	58.0	98	62.3	105	7	78-123/30
74-97-5	Bromochloromethane	ND		59.4	53.6	90	52.6	89	2	72-122/23
75-27-4	Bromodichloromethane	ND		59.4	59.4	100	60.4	102	2	73-122/25
75-25-2	Bromoform	ND		59.4	63.2	106	65.4	110	3	70-139/26
104-51-8	n-Butylbenzene	ND		59.4	58.5	98	61.2	103	5	80-138/31
135-98-8	sec-Butylbenzene	ND		59.4	58.1	98	61.5	103	6	82-132/29
98-06-6	tert-Butylbenzene	ND		59.4	57.0	96	61.5	103	8	79-130/29
108-90-7	Chlorobenzene	ND		59.4	55.6	94	58.4	98	5	83-122/23
75-00-3	Chloroethane	ND		59.4	40.8	69	41.3	69	1	61-153/31
67-66-3	Chloroform	ND		59.4	58.1	98	59.8	101	3	79-129/27
544-10-5	1-Chlorohexane	ND		59.4	47.7	80*	51.6	87	8	85-137/29
95-49-8	o-Chlorotoluene	ND		59.4	57.4	97	61.1	103	6	77-123/31
106-43-4	p-Chlorotoluene	ND		59.4	59.4	100	61.2	103	3	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		297	419	141	407	137	3	52-142/25
75-15-0	Carbon disulfide	ND		59.4	47.0	79	49.9	84	6	61-142/27
56-23-5	Carbon tetrachloride	ND		59.4	52.0	87	65.0	109	22	79-135/29
75-34-3	1,1-Dichloroethane	ND		59.4	54.5	92	57.2	96	5	77-132/26
75-35-4	1,1-Dichloroethylene	ND		59.4	49.6	83	51.0	86	3	66-132/27
563-58-6	1,1-Dichloropropene	ND		59.4	53.8	91	55.2	93	3	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		59.4	68.4	115	68.8	116	1	67-129/29
106-93-4	1,2-Dibromoethane	ND		59.4	57.1	96	58.3	98	2	77-126/24
107-06-2	1,2-Dichloroethane	ND		59.4	57.2	96	57.2	96	0	78-129/24
78-87-5	1,2-Dichloropropane	ND		59.4	59.5	100	58.9	99	1	74-127/27
142-28-9	1,3-Dichloropropane	ND		59.4	57.9	97	58.4	98	1	78-118/26
594-20-7	2,2-Dichloropropane	ND		59.4	50.6	85	53.0	89	5	80-137/28
124-48-1	Dibromochloromethane	ND		59.4	58.6	99	60.0	101	2	78-117/27
75-71-8	Dichlorodifluoromethane	ND		59.4	27.7	47	30.1	51	8	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		59.4	53.6	90	52.2	88	3	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		59.4	62.4	105	62.1	104	0	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61771
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61771-4MS	G0054585.D	1	12/04/08	MM	n/a	n/a	VG2064
F61771-4MSD	G0054586.D	1	12/04/08	MM	n/a	n/a	VG2064
F61771-4	G0054584.D	1	12/04/08	MM	n/a	n/a	VG2064

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61771-4

CAS No.	Compound	F61771-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		59.4	61.9	104	62.7	106	1	71-126/28
541-73-1	m-Dichlorobenzene	ND		59.4	59.0	99	62.7	106	6	82-126/29
95-50-1	o-Dichlorobenzene	ND		59.4	61.8	104	64.0	108	3	83-123/28
106-46-7	p-Dichlorobenzene	ND		59.4	59.7	100	62.5	105	5	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		59.4	53.1	89	54.6	92	3	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		59.4	61.8	104	64.8	109	5	87-131/27
100-41-4	Ethylbenzene	ND		59.4	54.0	91	57.1	96	6	82-124/25
97-63-2	Ethyl methacrylate	ND		59.4	34.5	58*	36.5	61*	6	78-118/30
76-13-1	Freon 113	ND		59.4	40.8	69	35.3	59*	14	62-147/29
591-78-6	2-Hexanone	ND		297	270	91	272	92	1	67-130/29
87-68-3	Hexachlorobutadiene	ND		59.4	55.0	93	57.1	96	4	77-150/36
110-54-3	Hexane	ND		59.4	56.2	95	55.7	94	1	65-147/27
98-82-8	Isopropylbenzene	11.6		59.4	59.0	80*	61.8	84	5	82-133/27
99-87-6	p-Isopropyltoluene	ND		59.4	59.1	99	62.3	105	5	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		297	304	102	304	102	0	69-125/24
126-98-7	Methacrylonitrile	ND		594	623	105	602	101	3	70-138/22
74-83-9	Methyl bromide	ND		59.4	47.2	79	48.7	82	3	60-146/31
74-87-3	Methyl chloride	ND		59.4	44.8	75	45.8	77	2	58-163/26
74-88-4	Methyl iodide	ND		59.4	47.0	79	48.8	82	4	66-128/27
80-62-6	Methyl methacrylate	ND		59.4	69.0	116	66.4	112	4	73-125/24
74-95-3	Methylene bromide	ND		59.4	63.7	107	60.8	102	5	75-128/26
75-09-2	Methylene chloride	ND		59.4	55.6	94	57.1	96	3	62-140/25
78-93-3	Methyl ethyl ketone	ND		297	253	85	237	80	7	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		59.4	59.1	99	57.3	96	3	70-131/25
91-20-3	Naphthalene	ND		59.4	44.2	74	38.8	65	13	59-143/31
76-01-7	Pentachloroethane	ND		59.4	57.0	96	58.7	99	3	64-156/37
107-12-0	Propionitrile	ND		594	619	104	594	100	4	73-133/23
103-65-1	n-Propylbenzene	ND		59.4	55.0	93	59.6	100	8	78-129/29
100-42-5	Styrene	ND		59.4	52.9	89	56.8	96	7	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		59.4	56.4	95	58.5	98	4	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		59.4	54.7	92	57.0	96	4	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		59.4	64.4	108	65.8	111	2	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		59.4	58.9	99	59.8	101	2	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		59.4	25.7	43*	21.2	36*	19	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		59.4	57.3	96	58.5	98	2	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		59.4	49.7	84	46.2	78*	7	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61771
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61771-4MS	G0054585.D	1	12/04/08	MM	n/a	n/a	VG2064
F61771-4MSD	G0054586.D	1	12/04/08	MM	n/a	n/a	VG2064
F61771-4	G0054584.D	1	12/04/08	MM	n/a	n/a	VG2064

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61771-4

CAS No.	Compound	F61771-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		59.4	57.9	97	61.5	103	6	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		59.4	57.8	97	62.4	105	8	79-129/31
127-18-4	Tetrachloroethylene	ND		59.4	54.0	91	58.9	99	9	79-132/27
108-88-3	Toluene	ND		59.4	52.0	87	54.8	92	5	80-123/26
79-01-6	Trichloroethylene	ND		59.4	54.9	92	55.0	93	0	78-132/28
75-69-4	Trichlorofluoromethane	ND		59.4	39.8	67	40.9	69	3	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		59.4	127	214*	121	204*	5	74-138/30
75-01-4	Vinyl chloride	ND		59.4	36.5	61	38.6	65	6	60-145/29
108-05-4	Vinyl Acetate	ND		297	180	61	176	59	2	25-164/35
	m,p-Xylene	ND		119	113	95	118	99	4	82-128/25
95-47-6	o-Xylene	ND		59.4	57.5	97	60.7	102	5	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61771-4	Limits
1868-53-7	Dibromofluoromethane	103%	100%	102%	80-121%
2037-26-5	Toluene-D8	93%	95%	91%	71-130%
460-00-4	4-Bromofluorobenzene	98%	99%	93%	59-148%
17060-07-0	1,2-Dichloroethane-D4	110%	103%	115%	77-123%

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61771
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1958-MB	QR044995.D	1	12/05/08	AH	n/a	n/a	GQR1958

The QC reported here applies to the following samples: **Method:** SW846 8015

F61771-1, F61771-2, F61771-3, F61771-4, F61771-6, F61771-5A

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	90%	56-136%
98-08-8	aaa-Trifluorotoluene	77%	61-121%

Blank Spike Summary

Job Number: F61771
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1958-BS	QR044994.D	1	12/05/08	AH	n/a	n/a	GQR1958

The QC reported here applies to the following samples: **Method:** SW846 8015

F61771-1, F61771-2, F61771-3, F61771-4, F61771-6, F61771-5A

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	18.5	93	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	102%	56-136%
98-08-8	aaa-Trifluorotoluene	96%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61771
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61771-4MS	QR045015.D	1	12/05/08	AH	n/a	n/a	GQR1958
F61771-4MSD	QR045016.D	1	12/05/08	AH	n/a	n/a	GQR1958
F61771-4	QR044999.D	1	12/05/08	AH	n/a	n/a	GQR1958

The QC reported here applies to the following samples: **Method:** SW846 8015

F61771-1, F61771-2, F61771-3, F61771-4, F61771-6, F61771-5A

CAS No.	Compound	F61771-4 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		30.5	24.4	80	24.7	81	1	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61771-4	Limits
460-00-4	4-Bromofluorobenzene	98%	96%	89%	56-136%
98-08-8	aaa-Trifluorotoluene	94%	84%	77%	61-121%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61771
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27307-MB	LL24346.D	1	12/05/08	NY	12/02/08	OP27307	GLL908

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61771-1, F61771-2, F61771-3, F61771-4, F61771-6, F61771-5A

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	88%	49-108%

Blank Spike Summary

Job Number: F61771
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27307-BS	LL24345.D	1	12/05/08	NY	12/02/08	OP27307	GLL908

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61771-1, F61771-2, F61771-3, F61771-4, F61771-6, F61771-5A

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	29.3	88	64-102
	TPH (> C22-C36)	33.3	33.0	99	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	90%	49-108%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61771
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27307-MS	LL24359.D	1	12/05/08	NY	12/02/08	OP27307	GLL908
OP27307-MSD	LL24360.D	1	12/05/08	NY	12/02/08	OP27307	GLL908
F61771-4	LL24358.D	1	12/05/08	NY	12/02/08	OP27307	GLL908

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61771-1, F61771-2, F61771-3, F61771-4, F61771-6, F61771-5A

CAS No.	Compound	F61771-4 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		45	37.3	83	40.6	90	8	64-102/32
	TPH (> C22-C36)	ND		45	38.1	85	45.3	101	17	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F61771-4	Limits
84-15-1	o-Terphenyl	84%	92%	87%	49-108%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/17/08

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F61772

Sampling Date: 11/23/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **100**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Sections: 1 2 3 4 5 6 7

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **7**
3.1: F61772-1: SS61-SB21-25 8
3.2: F61772-2: SS61-SB21-28 13
3.3: F61772-2A: SS61-SB21-28 16
3.4: F61772-3: SS61-SB21-35 18
3.5: F61772-4: SS61-SB22-22 23
3.6: F61772-5: SS61-SB22-26 28
3.7: F61772-6: SS61-SB22-35 33
3.8: F61772-7: SS61-SB23-16 38
3.9: F61772-8: SS61-SB23-26 43
3.10: F61772-8A: SS61-SB23-26 46
3.11: F61772-9: SS61-SB23-26-a 48
3.12: F61772-10: SS61-SB23-35 53
3.13: F61772-11: TRIP BLANK 58
Section 4: Misc. Forms **61**
4.1: Chain of Custody 62
Section 5: GC/MS Volatiles - QC Data Summaries **64**
5.1: Method Blank Summary 65
5.2: Blank Spike Summary 72
5.3: Matrix Spike/Matrix Spike Duplicate Summary 79
Section 6: GC Volatiles - QC Data Summaries **86**
6.1: Method Blank Summary 87
6.2: Blank Spike Summary 89
6.3: Matrix Spike/Matrix Spike Duplicate Summary 91
Section 7: GC Semi-volatiles - QC Data Summaries **93**
7.1: Method Blank Summary 94
7.2: Blank Spike Summary 97
7.3: Matrix Spike/Matrix Spike Duplicate Summary 99

Sample Summary

North Wind, Inc

Job No: F61772

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F61772-1	11/23/08	08:10	GK	11/25/08	SO	Soil	SS61-SB21-25
F61772-2	11/23/08	08:20	GK	11/25/08	SO	Soil	SS61-SB21-28
F61772-2A	11/23/08	08:20	GK	11/25/08	SO	Soil	SS61-SB21-28
F61772-3	11/23/08	08:30	GK	11/25/08	SO	Soil	SS61-SB21-35
F61772-4	11/23/08	10:00	GK	11/25/08	SO	Soil	SS61-SB22-22
F61772-5	11/23/08	10:10	GK	11/25/08	SO	Soil	SS61-SB22-26
F61772-6	11/23/08	10:20	GK	11/25/08	SO	Soil	SS61-SB22-35
F61772-7	11/23/08	11:50	GK	11/25/08	SO	Soil	SS61-SB23-16
F61772-8	11/23/08	12:00	GK	11/25/08	SO	Soil	SS61-SB23-26
F61772-8A	11/23/08	12:00	GK	11/25/08	SO	Soil	SS61-SB23-26
F61772-9	11/23/08	12:00	GK	11/25/08	SO	Soil	SS61-SB23-26-a
F61772-10	11/23/08	12:10	GK	11/25/08	SO	Soil	SS61-SB23-35
F61772-11	11/23/08	00:00	GK	11/25/08	SO	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F61772

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/17/2008 1:01:08

10 Samples, 1 Trip Blank were collected on 11/23/2008 and received at Accutest on 11/25/2008 properly preserved, at 0.4 Deg. C and intact. These Samples received an Accutest job number of F61772. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2064

All samples were analyzed within the recommended method holding time.

Sample(s) F61771-4MS, F61771-4MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for 1,2,3-Trichlorobenzene, Acetonitrile, Acrolein, Freon 113, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for 1,2,3-Trichlorobenzene, 1-Chlorohexane, Acetonitrile, Acrolein, Benzene, Ethyl methacrylate, Isopropylbenzene, Trans-1,4-Dichloro-2-Butene are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Acetonitrile, Acrolein, Benzene, Ethyl methacrylate, Freon 113, Trans-1,4-Dichloro-2-Butene are outside control limits. Probable cause due to matrix interference.

F61772-11: Soil vials were not preserved within 48 hours of sampling; results are considered minimum values.

F61772-1: En Core samples were not preserved within 48 hours.

F61772-3: En Core samples were not preserved within 48 hours.

F61772-4: En Core samples were not preserved within 48 hours.

F61772-5: En Core samples were not preserved within 48 hours.

F61772-6: En Core samples were not preserved within 48 hours.

F61772-10: En Core samples were not preserved within 48 hours.

F61772-7: En Core samples were not preserved within 48 hours.

F61772-8: En Core samples were not preserved within 48 hours.

F61772-9: En Core samples were not preserved within 48 hours.

F61772-3 for Methylene chloride: Suspected laboratory contaminant.

F61772-9 for 1,2,3-Trichlorobenzene: CCV outside of control limits; results may be biased low.

F61772-5 for Methylene chloride: Suspected laboratory contaminant.

F61772-5 for Freon 113: CCV outside of control limits; results may be biased low.

F61772-9 for Freon 113: CCV outside of control limits; results may be biased low.

F61772-6 for Freon 113: CCV outside of control limits; results may be biased low.

F61772-4 for Freon 113: CCV outside of control limits; results may be biased low.

F61772-9 for Methylene chloride: Suspected laboratory contaminant.

F61772-5 for 1,2,3-Trichlorobenzene: CCV outside of control limits; results may be biased low.

F61772-3 for Freon 113: CCV outside of control limits; results may be biased low.

F61772-3 for 1,2,3-Trichlorobenzene: CCV outside of control limits; results may be biased low.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2064

F61772-1 for 1,2,3-Trichlorobenzene: CCV outside of control limits; results may be biased low.

F61772-1 for Freon 113: CCV outside of control limits; results may be biased low.

F61772-11 for Freon 113: CCV outside of control limits; results may be biased low.

F61772-11 for 1,2,3-Trichlorobenzene: CCV outside of control limits; results may be biased low.

F61772-4 for 1,2,3-Trichlorobenzene: CCV outside of control limits; results may be biased low.

F61772-8 for Freon 113: CCV outside of control limits; results may be biased low.

F61772-6 for 1,2,3-Trichlorobenzene: CCV outside of control limits; results may be biased low.

F61772-8 for Methylene chloride: Suspected laboratory contaminant.

F61772-8 for 1,2,3-Trichlorobenzene: CCV outside of control limits; results may be biased low.

F61772-7 for Freon 113: CCV outside of control limits; results may be biased low.

F61772-7 for 1,2,3-Trichlorobenzene: CCV outside of control limits; results may be biased low.

F61772-2 for 1,2,3-Trichlorobenzene: CCV outside of control limits; results may be biased low.

F61772-2 for Freon 113: CCV outside of control limits; results may be biased low.

Matrix: SO **Batch ID:** VG2065

All samples were analyzed within the recommended method holding time.

Sample(s) F61770-1MS, F61770-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

F61772-2: En Core samples were not preserved within 48 hours.

F61772-2 for Methylene chloride: Suspected laboratory contaminant.

Matrix: SO **Batch ID:** VG2067

Sample(s) F61902-1MS, F61902-1MSD were used as the QC samples indicated.

The following samples were run outside of holding time for method SW846 8260B: F61772-10 Sample re-analyzed beyond hold time; reported results are considered minimum values.

Sample(s) F61772-10 have compounds reported with “E” qualifiers indicating estimated value exceeding calibration range.

Blank Spike Recovery(s) for 1,2,4-Trichlorobenzene, 2,2-Dichloropropane, Acrolein, Freon 113, Hexachlorobutadiene, Naphthalene, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1-Chlorohexane, 2-Hexanone, Acetone, Acrolein, Benzyl Chloride, Carbon tetrachloride, Dibromochloromethane, Ethyl methacrylate, Hexachlorobutadiene, Methyl ethyl ketone, Naphthalene, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,2-Dibromoethane, 1,3-Dichloropropane, 1-Chlorohexane, 2-Hexanone, Acetone, Acrolein, Benzyl Chloride, Dibromochloromethane, Ethyl methacrylate, Hexachlorobutadiene, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

F61772-10: Sample re-analyzed beyond hold time; reported results are considered minimum values.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GQR1959

All samples were analyzed within the recommended method holding time.

Sample(s) F61775-1AMS, F61775-1AMSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Sample(s) F61775-1AMS, F61772-2A, F61772-8A, F61772-9 have surrogates outside control limits. Probable cause due to matrix interference.

F61772-1: En Core samples were not preserved within 48 hours.

F61772-2A: Confirmation run.

F61772-9: Confirmation run.

F61772-3: En Core samples were not preserved within 48 hours.

F61772-4: En Core samples were not preserved within 48 hours.

F61772-5: En Core samples were not preserved within 48 hours.

F61772-6: En Core samples were not preserved within 48 hours.

F61772-7: En Core samples were not preserved within 48 hours.

F61772-8A: Confirmation run.

F61772-8A for aaa-Trifluorotoluene: Outside control limits due to matrix interference.

F61772-9 for 4-Bromofluorobenzene: Result reported from PID.

F61772-9 for aaa-Trifluorotoluene: Outside control limits due to matrix interference.

F61772-9 for 4-Bromofluorobenzene: Outside control limits due to matrix interference.

F61772-2A for aaa-Trifluorotoluene: Outside control limits due to matrix interference.

F61772-8A for 4-Bromofluorobenzene: Result reported from PID.

F61772-8A for 4-Bromofluorobenzene: Outside control limits due to matrix interference.

F61775-1AMS for aaa-Trifluorotoluene: Result reported from PID.

F61775-1AMS for aaa-Trifluorotoluene: Outside control limits due to matrix interference.

Matrix: SO **Batch ID:** GQR1960

Sample(s) F61772-10MS, F61772-10MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Sample(s) F61775-1AMS, F61772-2A, F61772-8A, F61772-9 have surrogates outside control limits. Probable cause due to matrix interference.

F61772-2A: En Core samples were not preserved within 48 hours.

F61772-10: En Core samples were not preserved within 48 hours.

F61772-8A: En Core samples were not preserved within 48 hours.

F61772-9: En Core samples were not preserved within 48 hours.

F61772-8A for aaa-Trifluorotoluene: Result reported from PID.

F61772-8A for aaa-Trifluorotoluene: Outside control limits due to matrix interference.

Extractables by GC By Method SW846 8015 M

Matrix: SO **Batch ID:** OP27279

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61775-2MS, F61775-2MSD were used as the QC samples indicated.

Sample(s) OP27279-MB, F61772-10 have surrogates outside control limits. Probable cause due to matrix interference.

Matrix: SO **Batch ID:** OP27307

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61771-4MS, F61771-4MSD were used as the QC samples indicated.

Sample(s) OP27279-MB, F61772-10 have surrogates outside control limits. Probable cause due to matrix interference.

F61772-10: Confirmed ND by re-extraction and reanalysis beyond holdtime.

F61772-9 for TPH (C10-C22): Petroleum hydrocarbon pattern begins before C10.

Matrix: SO **Batch ID:** OP27426

Sample(s) OP27279-MB, F61772-10 have surrogates outside control limits. Probable cause due to matrix interference.

F61772-10: Confirmation run.

Wet Chemistry By Method SM19 2540B M

Matrix: SO **Batch ID:** GN32962

Sample(s) F61770-1DUP were used as the QC samples for Solids, Percent.

Matrix: SO **Batch ID:** GN32970

Sample(s) F61775-2DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: December 17, 2008

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-SB21-25		
Lab Sample ID:	F61772-1	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	78.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054587.D	1	12/04/08	MM	11/25/08 18:10	n/a	VG2064
Run #2							

	Initial Weight
Run #1	5.93 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	36.5	53	27	ug/kg	J
75-05-8	Acetonitrile	ND	53	17	ug/kg	
107-02-8	Acrolein	ND	27	10	ug/kg	
107-13-1	Acrylonitrile	ND	27	7.4	ug/kg	
107-05-1	Allyl chloride	ND	27	5.3	ug/kg	
71-43-2	Benzene	ND	5.3	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.3	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.3	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.3	1.8	ug/kg	
75-27-4	Bromodichloromethane	ND	5.3	1.3	ug/kg	
75-25-2	Bromoform	ND	5.3	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	5.3	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.3	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.3	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.3	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.3	2.1	ug/kg	
67-66-3	Chloroform	ND	5.3	1.8	ug/kg	
544-10-5	1-Chlorohexane	ND	5.3	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.3	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.3	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	27	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.3	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.3	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.3	2.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.3	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.3	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.3	2.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.3	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	1.5	5.3	1.2	ug/kg	J
78-87-5	1,2-Dichloropropane	ND	5.3	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.3	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.3	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB21-25		
Lab Sample ID:	F61772-1	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	78.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.3	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.3	2.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.3	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.3	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	27	5.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.3	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.3	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.3	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.3	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.3	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.3	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	27	5.3	ug/kg	
76-13-1	Freon 113 [b]	ND	5.3	2.8	ug/kg	
591-78-6	2-Hexanone	ND	27	5.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.3	1.3	ug/kg	
110-54-3	Hexane	ND	5.3	2.6	ug/kg	
98-82-8	Isopropylbenzene	22.3	5.3	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.3	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	27	6.8	ug/kg	
126-98-7	Methacrylonitrile	ND	27	5.9	ug/kg	
74-83-9	Methyl bromide	ND	5.3	2.4	ug/kg	
74-87-3	Methyl chloride	ND	5.3	2.6	ug/kg	
74-88-4	Methyl iodide	ND	11	2.1	ug/kg	
80-62-6	Methyl methacrylate	ND	27	5.3	ug/kg	
74-95-3	Methylene bromide	ND	5.3	1.6	ug/kg	
75-09-2	Methylene chloride	ND	11	5.3	ug/kg	
78-93-3	Methyl ethyl ketone	ND	27	8.9	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.3	1.6	ug/kg	
91-20-3	Naphthalene	ND	5.3	2.1	ug/kg	
76-01-7	Pentachloroethane	ND	27	5.3	ug/kg	
107-12-0	Propionitrile	ND	53	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.3	1.3	ug/kg	
100-42-5	Styrene	ND	5.3	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.3	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.3	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.3	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.3	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene [b]	ND	5.3	2.1	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.3	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.3	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB21-25		
Lab Sample ID:	F61772-1	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	78.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.3	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.3	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.3	1.3	ug/kg	
108-88-3	Toluene	ND	5.3	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.3	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.3	2.1	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	27	5.3	ug/kg	
75-01-4	Vinyl chloride	ND	5.3	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	27	13	ug/kg	
	m,p-Xylene	ND	11	2.0	ug/kg	
95-47-6	o-Xylene	ND	5.3	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-121%
2037-26-5	Toluene-D8	88%		71-130%
460-00-4	4-Bromofluorobenzene	100%		59-148%
17060-07-0	1,2-Dichloroethane-D4	110%		77-123%

(a) En Core samples were not preserved within 48 hours.
(b) CCV outside of control limits; results may be biased low.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB21-25		
Lab Sample ID:	F61772-1	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	78.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	QR045027.D	1	12/06/08	AH	11/25/08 18:10	n/a	GQR1959
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.80 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.8	3.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	88%		56-136%
98-08-8	aaa-Trifluorotoluene	78%		61-121%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB21-25		
Lab Sample ID:	F61772-1	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	78.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24379.D	1	12/05/08	NY	12/02/08	OP27307	GLL908
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	11	6.3	mg/kg	
	TPH (> C22-C36)	ND	11	6.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	77%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB21-28		
Lab Sample ID:	F61772-2	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	45.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054588.D	1	12/04/08	MM	11/25/08 18:10	n/a	VG2064
Run #2 [a]	G0054626.D	1	12/05/08	MM	11/25/08 18:10	n/a	VG2065

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.60 g	5.0 ml	100 ul
Run #2	5.60 g	5.0 ml	50.0 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	7900	3900	ug/kg	
75-05-8	Acetonitrile	ND	7900	2500	ug/kg	
107-02-8	Acrolein	ND	3900	1500	ug/kg	
107-13-1	Acrylonitrile	ND	3900	1100	ug/kg	
107-05-1	Allyl chloride	ND	3900	790	ug/kg	
71-43-2	Benzene	2400	790	160	ug/kg	
100-44-7	Benzyl Chloride	ND	790	170	ug/kg	
108-86-1	Bromobenzene	ND	790	160	ug/kg	
74-97-5	Bromochloromethane	ND	790	270	ug/kg	
75-27-4	Bromodichloromethane	ND	790	190	ug/kg	
75-25-2	Bromoform	ND	790	240	ug/kg	
104-51-8	n-Butylbenzene	ND	790	220	ug/kg	
135-98-8	sec-Butylbenzene	1840	790	170	ug/kg	
98-06-6	tert-Butylbenzene	637 [b]	1600	350	ug/kg	J
108-90-7	Chlorobenzene	ND	790	160	ug/kg	
75-00-3	Chloroethane	ND	790	310	ug/kg	
67-66-3	Chloroform	ND	790	270	ug/kg	
544-10-5	1-Chlorohexane	ND	790	200	ug/kg	
95-49-8	o-Chlorotoluene	ND	790	160	ug/kg	
106-43-4	p-Chlorotoluene	ND	790	160	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	3900	1600	ug/kg	
75-15-0	Carbon disulfide	ND	790	170	ug/kg	
56-23-5	Carbon tetrachloride	ND	790	220	ug/kg	
75-34-3	1,1-Dichloroethane	ND	790	310	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	790	200	ug/kg	
563-58-6	1,1-Dichloropropene	ND	790	220	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	790	380	ug/kg	
106-93-4	1,2-Dibromoethane	ND	790	160	ug/kg	
107-06-2	1,2-Dichloroethane	ND	790	170	ug/kg	
78-87-5	1,2-Dichloropropane	ND	790	220	ug/kg	
142-28-9	1,3-Dichloropropane	ND	790	160	ug/kg	
594-20-7	2,2-Dichloropropane	ND	790	330	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB21-28		
Lab Sample ID:	F61772-2	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	45.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	790	160	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	790	310	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	790	250	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	790	200	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	3900	790	ug/kg	
541-73-1	m-Dichlorobenzene	ND	790	160	ug/kg	
95-50-1	o-Dichlorobenzene	ND	790	160	ug/kg	
106-46-7	p-Dichlorobenzene	ND	790	160	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	790	190	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	790	160	ug/kg	
100-41-4	Ethylbenzene	7000	790	160	ug/kg	
97-63-2	Ethyl methacrylate	ND	3900	790	ug/kg	
76-13-1	Freon 113 [c]	ND	790	410	ug/kg	
591-78-6	2-Hexanone	ND	3900	790	ug/kg	
87-68-3	Hexachlorobutadiene	ND	790	190	ug/kg	
110-54-3	Hexane	ND	790	380	ug/kg	
98-82-8	Isopropylbenzene	56100 [b]	1600	350	ug/kg	
99-87-6	p-Isopropyltoluene	ND	790	170	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	3900	1000	ug/kg	
126-98-7	Methacrylonitrile	ND	3900	860	ug/kg	
74-83-9	Methyl bromide	ND	790	350	ug/kg	
74-87-3	Methyl chloride	ND	790	380	ug/kg	
74-88-4	Methyl iodide	ND	1600	310	ug/kg	
80-62-6	Methyl methacrylate	ND	3900	790	ug/kg	
74-95-3	Methylene bromide	ND	790	240	ug/kg	
75-09-2	Methylene chloride [d]	6000 [b]	3100	1600	ug/kg	
78-93-3	Methyl ethyl ketone	ND	3900	1300	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	790	240	ug/kg	
91-20-3	Naphthalene	ND	790	310	ug/kg	
76-01-7	Pentachloroethane	ND	3900	790	ug/kg	
107-12-0	Propionitrile	ND	7900	1900	ug/kg	
103-65-1	n-Propylbenzene	2610	790	190	ug/kg	
100-42-5	Styrene	ND	790	160	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	790	160	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	790	170	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	790	280	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	790	160	ug/kg	
87-61-6	1,2,3-Trichlorobenzene [c]	ND	790	310	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	790	300	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	790	310	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB21-28		
Lab Sample ID:	F61772-2	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	45.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	790	160	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	790	160	ug/kg	
127-18-4	Tetrachloroethylene	ND	790	190	ug/kg	
108-88-3	Toluene	ND	790	160	ug/kg	
79-01-6	Trichloroethylene	ND	790	190	ug/kg	
75-69-4	Trichlorofluoromethane	ND	790	310	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	3900	790	ug/kg	
75-01-4	Vinyl chloride	ND	790	310	ug/kg	
108-05-4	Vinyl Acetate	ND	3900	1900	ug/kg	
	m,p-Xylene	497	1600	300	ug/kg	J
95-47-6	o-Xylene	ND	790	160	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%	98%	80-121%
2037-26-5	Toluene-D8	94%	89%	71-130%
460-00-4	4-Bromofluorobenzene	94%	96%	59-148%
17060-07-0	1,2-Dichloroethane-D4	111%	104%	77-123%

(a) En Core samples were not preserved within 48 hours.
(b) Result is from Run# 2
(c) CCV outside of control limits; results may be biased low.
(d) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB21-28		
Lab Sample ID:	F61772-2A	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015	**Percent Solids:**	45.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	QR045052.D	1	12/07/08	AH	n/a	n/a	GQR1960
Run #2 [b]	QR045028.D	1	12/06/08	AH	n/a	n/a	GQR1959

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.60 g	5.0 ml	2.5 ul
Run #2	5.60 g	5.0 ml	10.0 ul

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	2570	630	310	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	88%	116%	56-136%
98-08-8	aaa-Trifluorotoluene	94%	159% [c]	61-121%

(a) En Core samples were not preserved within 48 hours.
(b) Confirmation run.
(c) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB21-28		
Lab Sample ID:	F61772-2A	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	45.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24169.D	1	11/27/08	ME	11/26/08	OP27279	GLL904
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	18	11	mg/kg	
	TPH (> C22-C36)	ND	18	11	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	71%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB21-35		
Lab Sample ID:	F61772-3	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	68.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054589.D	1	12/04/08	MM	11/25/08 18:10	n/a	VG2064
Run #2							

	Initial Weight
Run #1	5.81 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	63	31	ug/kg	
75-05-8	Acetonitrile	ND	63	20	ug/kg	
107-02-8	Acrolein	ND	31	12	ug/kg	
107-13-1	Acrylonitrile	ND	31	8.7	ug/kg	
107-05-1	Allyl chloride	ND	31	6.3	ug/kg	
71-43-2	Benzene	11.6	6.3	1.3	ug/kg	
100-44-7	Benzyl Chloride	ND	6.3	1.4	ug/kg	
108-86-1	Bromobenzene	ND	6.3	1.3	ug/kg	
74-97-5	Bromochloromethane	ND	6.3	2.1	ug/kg	
75-27-4	Bromodichloromethane	ND	6.3	1.5	ug/kg	
75-25-2	Bromoform	ND	6.3	1.9	ug/kg	
104-51-8	n-Butylbenzene	ND	6.3	1.8	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.3	1.4	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.3	1.4	ug/kg	
108-90-7	Chlorobenzene	ND	6.3	1.3	ug/kg	
75-00-3	Chloroethane	ND	6.3	2.5	ug/kg	
67-66-3	Chloroform	ND	6.3	2.1	ug/kg	
544-10-5	1-Chlorohexane	ND	6.3	1.6	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.3	1.3	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.3	1.3	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	31	13	ug/kg	
75-15-0	Carbon disulfide	ND	6.3	1.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.3	1.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.3	2.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.3	1.6	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.3	1.8	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.3	3.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.3	1.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.3	1.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.3	1.8	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.3	1.3	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.3	2.6	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB21-35		
Lab Sample ID:	F61772-3	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	68.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	6.3	1.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.3	2.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.3	2.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.3	1.6	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	31	6.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.3	1.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.3	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.3	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.3	1.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.3	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	6.3	1.3	ug/kg	
97-63-2	Ethyl methacrylate	ND	31	6.3	ug/kg	
76-13-1	Freon 113 [b]	ND	6.3	3.3	ug/kg	
591-78-6	2-Hexanone	ND	31	6.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.3	1.5	ug/kg	
110-54-3	Hexane	ND	6.3	3.0	ug/kg	
98-82-8	Isopropylbenzene	31.3	6.3	1.4	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.3	1.4	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	31	8.1	ug/kg	
126-98-7	Methacrylonitrile	ND	31	6.9	ug/kg	
74-83-9	Methyl bromide	ND	6.3	2.8	ug/kg	
74-87-3	Methyl chloride	ND	6.3	3.0	ug/kg	
74-88-4	Methyl iodide	ND	13	2.5	ug/kg	
80-62-6	Methyl methacrylate	ND	31	6.3	ug/kg	
74-95-3	Methylene bromide	ND	6.3	1.9	ug/kg	
75-09-2	Methylene chloride [c]	10.7	13	6.3	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	31	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.3	1.9	ug/kg	
91-20-3	Naphthalene	ND	6.3	2.5	ug/kg	
76-01-7	Pentachloroethane	ND	31	6.3	ug/kg	
107-12-0	Propionitrile	ND	63	15	ug/kg	
103-65-1	n-Propylbenzene	ND	6.3	1.5	ug/kg	
100-42-5	Styrene	ND	6.3	1.3	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.3	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.3	1.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.3	2.3	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.3	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene [b]	ND	6.3	2.5	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.3	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.3	2.5	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB21-35		
Lab Sample ID:	F61772-3	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	68.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	6.3	1.3	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.3	1.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.3	1.5	ug/kg	
108-88-3	Toluene	ND	6.3	1.3	ug/kg	
79-01-6	Trichloroethylene	ND	6.3	1.5	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.3	2.5	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	31	6.3	ug/kg	
75-01-4	Vinyl chloride	ND	6.3	2.5	ug/kg	
108-05-4	Vinyl Acetate	ND	31	15	ug/kg	
	m,p-Xylene	ND	13	2.4	ug/kg	
95-47-6	o-Xylene	ND	6.3	1.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-121%
2037-26-5	Toluene-D8	89%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	113%		77-123%

(a) En Core samples were not preserved within 48 hours.
(b) CCV outside of control limits; results may be biased low.
(c) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB21-35		
Lab Sample ID:	F61772-3	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	68.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	QR045029.D	1	12/06/08	AH	11/25/08 18:10	n/a	GQR1959
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.09 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	9.5	4.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	84%		56-136%
98-08-8	aaa-Trifluorotoluene	75%		61-121%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB21-35		
Lab Sample ID:	F61772-3	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	68.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24367.D	1	12/05/08	NY	12/02/08	OP27307	GLL908
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	12	7.3	mg/kg	
	TPH (> C22-C36)	ND	12	7.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	88%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB22-22		
Lab Sample ID:	F61772-4	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	79.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054590.D	1	12/04/08	MM	11/25/08 18:10	n/a	VG2064
Run #2							

	Initial Weight
Run #1	5.63 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	56	28	ug/kg	
75-05-8	Acetonitrile	ND	56	18	ug/kg	
107-02-8	Acrolein	ND	28	11	ug/kg	
107-13-1	Acrylonitrile	ND	28	7.7	ug/kg	
107-05-1	Allyl chloride	ND	28	5.6	ug/kg	
71-43-2	Benzene	ND	5.6	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.6	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.6	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.6	1.9	ug/kg	
75-27-4	Bromodichloromethane	ND	5.6	1.3	ug/kg	
75-25-2	Bromoform	ND	5.6	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	5.6	1.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.6	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.6	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.6	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.6	2.2	ug/kg	
67-66-3	Chloroform	ND	5.6	1.9	ug/kg	
544-10-5	1-Chlorohexane	ND	5.6	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.6	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.6	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	28	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.6	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.6	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.6	2.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.6	1.5	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.6	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.6	2.7	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.6	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.6	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.6	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.6	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.6	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB22-22		
Lab Sample ID:	F61772-4	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	79.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.6	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.6	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.6	1.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.6	1.5	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	28	5.6	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.6	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.6	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.6	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.6	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.6	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.6	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	28	5.6	ug/kg	
76-13-1	Freon 113 [b]	ND	5.6	2.9	ug/kg	
591-78-6	2-Hexanone	ND	28	5.6	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.6	1.3	ug/kg	
110-54-3	Hexane	ND	5.6	2.7	ug/kg	
98-82-8	Isopropylbenzene	4.5	5.6	1.2	ug/kg	J
99-87-6	p-Isopropyltoluene	ND	5.6	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	28	7.2	ug/kg	
126-98-7	Methacrylonitrile	ND	28	6.2	ug/kg	
74-83-9	Methyl bromide	ND	5.6	2.5	ug/kg	
74-87-3	Methyl chloride	ND	5.6	2.7	ug/kg	
74-88-4	Methyl iodide	ND	11	2.2	ug/kg	
80-62-6	Methyl methacrylate	ND	28	5.6	ug/kg	
74-95-3	Methylene bromide	ND	5.6	1.7	ug/kg	
75-09-2	Methylene chloride	ND	11	5.6	ug/kg	
78-93-3	Methyl ethyl ketone	ND	28	9.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.6	1.7	ug/kg	
91-20-3	Naphthalene	ND	5.6	2.2	ug/kg	
76-01-7	Pentachloroethane	ND	28	5.6	ug/kg	
107-12-0	Propionitrile	ND	56	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.6	1.3	ug/kg	
100-42-5	Styrene	ND	5.6	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.6	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.6	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.6	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.6	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene [b]	ND	5.6	2.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.6	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB22-22		
Lab Sample ID:	F61772-4	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	79.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.6	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.6	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.6	1.3	ug/kg	
108-88-3	Toluene	ND	5.6	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.6	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.6	2.2	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	28	5.6	ug/kg	
75-01-4	Vinyl chloride	ND	5.6	2.2	ug/kg	
108-05-4	Vinyl Acetate	ND	28	13	ug/kg	
	m,p-Xylene	ND	11	2.1	ug/kg	
95-47-6	o-Xylene	ND	5.6	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-121%
2037-26-5	Toluene-D8	92%		71-130%
460-00-4	4-Bromofluorobenzene	97%		59-148%
17060-07-0	1,2-Dichloroethane-D4	108%		77-123%

(a) En Core samples were not preserved within 48 hours.
(b) CCV outside of control limits; results may be biased low.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB22-22		
Lab Sample ID:	F61772-4	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	79.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	QR045030.D	1	12/06/08	AH	11/25/08 18:10	n/a	GQR1959
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.76 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.8	3.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	81%		56-136%
98-08-8	aaa-Trifluorotoluene	79%		61-121%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB22-22		
Lab Sample ID:	F61772-4	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	79.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24368.D	1	12/05/08	NY	12/02/08	OP27307	GLL908
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.3	mg/kg	
	TPH (> C22-C36)	ND	10	6.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	89%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB22-26		
Lab Sample ID:	F61772-5	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	76.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054591.D	1	12/04/08	MM	11/25/08 18:10	n/a	VG2064
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.39 g	5.0 ml	100 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3800	1900	ug/kg	
75-05-8	Acetonitrile	ND	3800	1200	ug/kg	
107-02-8	Acrolein	ND	1900	740	ug/kg	
107-13-1	Acrylonitrile	ND	1900	520	ug/kg	
107-05-1	Allyl chloride	ND	1900	380	ug/kg	
71-43-2	Benzene	112	380	76	ug/kg	J
100-44-7	Benzyl Chloride	ND	380	83	ug/kg	
108-86-1	Bromobenzene	ND	380	76	ug/kg	
74-97-5	Bromochloromethane	ND	380	130	ug/kg	
75-27-4	Bromodichloromethane	ND	380	91	ug/kg	
75-25-2	Bromoform	ND	380	110	ug/kg	
104-51-8	n-Butylbenzene	ND	380	110	ug/kg	
135-98-8	sec-Butylbenzene	225	380	83	ug/kg	J
98-06-6	tert-Butylbenzene	111	380	83	ug/kg	J
108-90-7	Chlorobenzene	ND	380	76	ug/kg	
75-00-3	Chloroethane	ND	380	150	ug/kg	
67-66-3	Chloroform	ND	380	130	ug/kg	
544-10-5	1-Chlorohexane	ND	380	99	ug/kg	
95-49-8	o-Chlorotoluene	ND	380	76	ug/kg	
106-43-4	p-Chlorotoluene	ND	380	76	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1900	760	ug/kg	
75-15-0	Carbon disulfide	ND	380	83	ug/kg	
56-23-5	Carbon tetrachloride	ND	380	110	ug/kg	
75-34-3	1,1-Dichloroethane	ND	380	150	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	380	99	ug/kg	
563-58-6	1,1-Dichloropropene	ND	380	110	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	380	180	ug/kg	
106-93-4	1,2-Dibromoethane	ND	380	76	ug/kg	
107-06-2	1,2-Dichloroethane	ND	380	83	ug/kg	
78-87-5	1,2-Dichloropropane	ND	380	110	ug/kg	
142-28-9	1,3-Dichloropropane	ND	380	76	ug/kg	
594-20-7	2,2-Dichloropropane	ND	380	160	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB22-26		
Lab Sample ID:	F61772-5	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	76.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	380	76	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	380	150	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	380	120	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	380	99	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	1900	380	ug/kg	
541-73-1	m-Dichlorobenzene	ND	380	76	ug/kg	
95-50-1	o-Dichlorobenzene	ND	380	76	ug/kg	
106-46-7	p-Dichlorobenzene	ND	380	76	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	380	91	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	380	76	ug/kg	
100-41-4	Ethylbenzene	ND	380	76	ug/kg	
97-63-2	Ethyl methacrylate	ND	1900	380	ug/kg	
76-13-1	Freon 113 [b]	ND	380	200	ug/kg	
591-78-6	2-Hexanone	ND	1900	380	ug/kg	
87-68-3	Hexachlorobutadiene	ND	380	91	ug/kg	
110-54-3	Hexane	ND	380	180	ug/kg	
98-82-8	Isopropylbenzene	8880	380	83	ug/kg	
99-87-6	p-Isopropyltoluene	ND	380	83	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1900	490	ug/kg	
126-98-7	Methacrylonitrile	ND	1900	420	ug/kg	
74-83-9	Methyl bromide	ND	380	170	ug/kg	
74-87-3	Methyl chloride	ND	380	180	ug/kg	
74-88-4	Methyl iodide	ND	760	150	ug/kg	
80-62-6	Methyl methacrylate	ND	1900	380	ug/kg	
74-95-3	Methylene bromide	ND	380	110	ug/kg	
75-09-2	Methylene chloride [c]	624	760	380	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	1900	630	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	380	110	ug/kg	
91-20-3	Naphthalene	ND	380	150	ug/kg	
76-01-7	Pentachloroethane	ND	1900	380	ug/kg	
107-12-0	Propionitrile	ND	3800	910	ug/kg	
103-65-1	n-Propylbenzene	152	380	91	ug/kg	J
100-42-5	Styrene	ND	380	76	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	380	76	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	380	83	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	380	140	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	380	76	ug/kg	
87-61-6	1,2,3-Trichlorobenzene [b]	ND	380	150	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	380	140	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	380	150	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB22-26		
Lab Sample ID:	F61772-5	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	76.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	380	76	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	380	76	ug/kg	
127-18-4	Tetrachloroethylene	ND	380	91	ug/kg	
108-88-3	Toluene	ND	380	76	ug/kg	
79-01-6	Trichloroethylene	ND	380	91	ug/kg	
75-69-4	Trichlorofluoromethane	ND	380	150	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	1900	380	ug/kg	
75-01-4	Vinyl chloride	ND	380	150	ug/kg	
108-05-4	Vinyl Acetate	ND	1900	910	ug/kg	
	m,p-Xylene	ND	760	140	ug/kg	
95-47-6	o-Xylene	ND	380	76	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-121%
2037-26-5	Toluene-D8	90%		71-130%
460-00-4	4-Bromofluorobenzene	93%		59-148%
17060-07-0	1,2-Dichloroethane-D4	113%		77-123%

(a) En Core samples were not preserved within 48 hours.
(b) CCV outside of control limits; results may be biased low.
(c) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB22-26		
Lab Sample ID:	F61772-5	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	76.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	QR045031.D	1	12/06/08	AH	11/25/08 18:10	n/a	GQR1959
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.39 g	5.0 ml	10.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	178	76	38	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	92%		56-136%
98-08-8	aaa-Trifluorotoluene	84%		61-121%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB22-26		
Lab Sample ID:	F61772-5	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	76.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24369.D	1	12/05/08	NY	12/02/08	OP27307	GLL908
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	11	6.5	mg/kg	
	TPH (> C22-C36)	ND	11	6.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	86%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB22-35		
Lab Sample ID:	F61772-6	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	71.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054592.D	1	12/04/08	MM	11/25/08 18:40	n/a	VG2064
Run #2							

	Initial Weight
Run #1	5.28 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	67	33	ug/kg	
75-05-8	Acetonitrile	ND	67	21	ug/kg	
107-02-8	Acrolein	ND	33	13	ug/kg	
107-13-1	Acrylonitrile	ND	33	9.2	ug/kg	
107-05-1	Allyl chloride	ND	33	6.7	ug/kg	
71-43-2	Benzene	165	6.7	1.3	ug/kg	
100-44-7	Benzyl Chloride	ND	6.7	1.5	ug/kg	
108-86-1	Bromobenzene	ND	6.7	1.3	ug/kg	
74-97-5	Bromochloromethane	ND	6.7	2.3	ug/kg	
75-27-4	Bromodichloromethane	ND	6.7	1.6	ug/kg	
75-25-2	Bromoform	ND	6.7	2.0	ug/kg	
104-51-8	n-Butylbenzene	ND	6.7	1.9	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.7	1.5	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.7	1.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.7	1.3	ug/kg	
75-00-3	Chloroethane	ND	6.7	2.7	ug/kg	
67-66-3	Chloroform	ND	6.7	2.3	ug/kg	
544-10-5	1-Chlorohexane	ND	6.7	1.7	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.7	1.3	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.7	1.3	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	33	13	ug/kg	
75-15-0	Carbon disulfide	ND	6.7	1.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.7	1.9	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.7	2.7	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.7	1.7	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.7	1.9	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.7	3.2	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.7	1.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.7	1.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.7	1.9	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.7	1.3	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.7	2.8	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB22-35		
Lab Sample ID:	F61772-6	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	71.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	6.7	1.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.7	2.7	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.7	2.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.7	1.7	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	33	6.7	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.7	1.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.7	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.7	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.7	1.6	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.7	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	6.7	1.3	ug/kg	
97-63-2	Ethyl methacrylate	ND	33	6.7	ug/kg	
76-13-1	Freon 113 [b]	ND	6.7	3.5	ug/kg	
591-78-6	2-Hexanone	ND	33	6.7	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.7	1.6	ug/kg	
110-54-3	Hexane	ND	6.7	3.2	ug/kg	
98-82-8	Isopropylbenzene	186	6.7	1.5	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.7	1.5	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	33	8.5	ug/kg	
126-98-7	Methacrylonitrile	ND	33	7.3	ug/kg	
74-83-9	Methyl bromide	ND	6.7	2.9	ug/kg	
74-87-3	Methyl chloride	ND	6.7	3.2	ug/kg	
74-88-4	Methyl iodide	ND	13	2.7	ug/kg	
80-62-6	Methyl methacrylate	ND	33	6.7	ug/kg	
74-95-3	Methylene bromide	ND	6.7	2.0	ug/kg	
75-09-2	Methylene chloride	ND	13	6.7	ug/kg	
78-93-3	Methyl ethyl ketone	ND	33	11	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.7	2.0	ug/kg	
91-20-3	Naphthalene	ND	6.7	2.7	ug/kg	
76-01-7	Pentachloroethane	ND	33	6.7	ug/kg	
107-12-0	Propionitrile	ND	67	16	ug/kg	
103-65-1	n-Propylbenzene	ND	6.7	1.6	ug/kg	
100-42-5	Styrene	ND	6.7	1.3	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.7	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.7	1.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.7	2.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.7	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene [b]	ND	6.7	2.7	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.7	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.7	2.7	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB22-35		
Lab Sample ID:	F61772-6	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	71.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	6.7	1.3	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.7	1.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.7	1.6	ug/kg	
108-88-3	Toluene	ND	6.7	1.3	ug/kg	
79-01-6	Trichloroethylene	ND	6.7	1.6	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.7	2.7	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	33	6.7	ug/kg	
75-01-4	Vinyl chloride	ND	6.7	2.7	ug/kg	
108-05-4	Vinyl Acetate	ND	33	16	ug/kg	
	m,p-Xylene	ND	13	2.5	ug/kg	
95-47-6	o-Xylene	ND	6.7	1.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-121%
2037-26-5	Toluene-D8	88%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	112%		77-123%

(a) En Core samples were not preserved within 48 hours.
(b) CCV outside of control limits; results may be biased low.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB22-35		
Lab Sample ID:	F61772-6	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	71.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	QR045034.D	1	12/06/08	AH	11/25/08 18:40	n/a	GQR1959
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.26 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	8.7	4.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	82%		56-136%
98-08-8	aaa-Trifluorotoluene	74%		61-121%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB22-35		
Lab Sample ID:	F61772-6	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	71.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24370.D	1	12/05/08	NY	12/02/08	OP27307	GLL908
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	12	7.0	mg/kg	
	TPH (> C22-C36)	ND	12	7.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	91%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB23-16		
Lab Sample ID:	F61772-7	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054593.D	1	12/04/08	MM	11/25/08 18:40	n/a	VG2064
Run #2							

	Initial Weight
Run #1	5.39 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	54	27	ug/kg	
75-05-8	Acetonitrile	ND	54	17	ug/kg	
107-02-8	Acrolein	ND	27	11	ug/kg	
107-13-1	Acrylonitrile	ND	27	7.5	ug/kg	
107-05-1	Allyl chloride	ND	27	5.4	ug/kg	
71-43-2	Benzene	ND	5.4	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.4	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.4	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.4	1.8	ug/kg	
75-27-4	Bromodichloromethane	ND	5.4	1.3	ug/kg	
75-25-2	Bromoform	ND	5.4	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	5.4	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.4	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.4	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.4	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.4	2.2	ug/kg	
67-66-3	Chloroform	ND	5.4	1.8	ug/kg	
544-10-5	1-Chlorohexane	ND	5.4	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.4	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.4	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	27	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.4	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.4	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.4	2.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.4	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.4	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.4	2.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.4	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.4	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.4	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.4	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.4	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB23-16		
Lab Sample ID:	F61772-7	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.4	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.4	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.4	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.4	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	27	5.4	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.4	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.4	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.4	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.4	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.4	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.4	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	27	5.4	ug/kg	
76-13-1	Freon 113 [b]	ND	5.4	2.8	ug/kg	
591-78-6	2-Hexanone	ND	27	5.4	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.4	1.3	ug/kg	
110-54-3	Hexane	ND	5.4	2.6	ug/kg	
98-82-8	Isopropylbenzene	ND	5.4	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.4	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	27	6.9	ug/kg	
126-98-7	Methacrylonitrile	ND	27	6.0	ug/kg	
74-83-9	Methyl bromide	ND	5.4	2.4	ug/kg	
74-87-3	Methyl chloride	ND	5.4	2.6	ug/kg	
74-88-4	Methyl iodide	ND	11	2.2	ug/kg	
80-62-6	Methyl methacrylate	ND	27	5.4	ug/kg	
74-95-3	Methylene bromide	ND	5.4	1.6	ug/kg	
75-09-2	Methylene chloride	ND	11	5.4	ug/kg	
78-93-3	Methyl ethyl ketone	ND	27	9.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.4	1.6	ug/kg	
91-20-3	Naphthalene	ND	5.4	2.2	ug/kg	
76-01-7	Pentachloroethane	ND	27	5.4	ug/kg	
107-12-0	Propionitrile	ND	54	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.4	1.3	ug/kg	
100-42-5	Styrene	ND	5.4	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.4	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.4	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.4	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.4	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene [b]	ND	5.4	2.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.4	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.4	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB23-16		
Lab Sample ID:	F61772-7	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.4	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.4	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.4	1.3	ug/kg	
108-88-3	Toluene	ND	5.4	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.4	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.4	2.2	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	27	5.4	ug/kg	
75-01-4	Vinyl chloride	ND	5.4	2.2	ug/kg	
108-05-4	Vinyl Acetate	ND	27	13	ug/kg	
	m,p-Xylene	ND	11	2.1	ug/kg	
95-47-6	o-Xylene	ND	5.4	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-121%
2037-26-5	Toluene-D8	97%		71-130%
460-00-4	4-Bromofluorobenzene	97%		59-148%
17060-07-0	1,2-Dichloroethane-D4	91%		77-123%

(a) En Core samples were not preserved within 48 hours.
(b) CCV outside of control limits; results may be biased low.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB23-16		
Lab Sample ID:	F61772-7	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	85.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	QR045035.D	1	12/06/08	AH	11/25/08 18:40	n/a	GQR1959
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.23 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.4	3.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	83%		56-136%
98-08-8	aaa-Trifluorotoluene	75%		61-121%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB23-16		
Lab Sample ID:	F61772-7	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	85.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24371.D	1	12/05/08	NY	12/02/08	OP27307	GLL908
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.7	5.8	mg/kg	
	TPH (> C22-C36)	ND	9.7	5.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	84%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB23-26		
Lab Sample ID:	F61772-8	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	78.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054594.D	1	12/04/08	MM	11/25/08 18:40	n/a	VG2064
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.52 g	5.0 ml	20.0 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	18000	9000	ug/kg	
75-05-8	Acetonitrile	ND	18000	5700	ug/kg	
107-02-8	Acrolein	ND	9000	3500	ug/kg	
107-13-1	Acrylonitrile	ND	9000	2500	ug/kg	
107-05-1	Allyl chloride	ND	9000	1800	ug/kg	
71-43-2	Benzene	23000	1800	360	ug/kg	
100-44-7	Benzyl Chloride	ND	1800	400	ug/kg	
108-86-1	Bromobenzene	ND	1800	360	ug/kg	
74-97-5	Bromochloromethane	ND	1800	610	ug/kg	
75-27-4	Bromodichloromethane	ND	1800	430	ug/kg	
75-25-2	Bromoform	ND	1800	540	ug/kg	
104-51-8	n-Butylbenzene	ND	1800	500	ug/kg	
135-98-8	sec-Butylbenzene	1070	1800	400	ug/kg	J
98-06-6	tert-Butylbenzene	551	1800	400	ug/kg	J
108-90-7	Chlorobenzene	ND	1800	360	ug/kg	
75-00-3	Chloroethane	ND	1800	720	ug/kg	
67-66-3	Chloroform	ND	1800	610	ug/kg	
544-10-5	1-Chlorohexane	ND	1800	470	ug/kg	
95-49-8	o-Chlorotoluene	ND	1800	360	ug/kg	
106-43-4	p-Chlorotoluene	ND	1800	360	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	9000	3600	ug/kg	
75-15-0	Carbon disulfide	ND	1800	400	ug/kg	
56-23-5	Carbon tetrachloride	ND	1800	500	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1800	720	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	1800	470	ug/kg	
563-58-6	1,1-Dichloropropene	ND	1800	500	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1800	860	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1800	360	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1800	400	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1800	500	ug/kg	
142-28-9	1,3-Dichloropropane	ND	1800	360	ug/kg	
594-20-7	2,2-Dichloropropane	ND	1800	750	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB23-26		
Lab Sample ID:	F61772-8	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	78.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1800	360	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	1800	720	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	1800	570	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1800	470	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	9000	1800	ug/kg	
541-73-1	m-Dichlorobenzene	ND	1800	360	ug/kg	
95-50-1	o-Dichlorobenzene	ND	1800	360	ug/kg	
106-46-7	p-Dichlorobenzene	ND	1800	360	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	1800	430	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1800	360	ug/kg	
100-41-4	Ethylbenzene	22800	1800	360	ug/kg	
97-63-2	Ethyl methacrylate	ND	9000	1800	ug/kg	
76-13-1	Freon 113 [b]	ND	1800	930	ug/kg	
591-78-6	2-Hexanone	ND	9000	1800	ug/kg	
87-68-3	Hexachlorobutadiene	ND	1800	430	ug/kg	
110-54-3	Hexane	ND	1800	860	ug/kg	
98-82-8	Isopropylbenzene	53600	1800	400	ug/kg	
99-87-6	p-Isopropyltoluene	ND	1800	400	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	9000	2300	ug/kg	
126-98-7	Methacrylonitrile	ND	9000	2000	ug/kg	
74-83-9	Methyl bromide	ND	1800	790	ug/kg	
74-87-3	Methyl chloride	ND	1800	860	ug/kg	
74-88-4	Methyl iodide	ND	3600	720	ug/kg	
80-62-6	Methyl methacrylate	ND	9000	1800	ug/kg	
74-95-3	Methylene bromide	ND	1800	540	ug/kg	
75-09-2	Methylene chloride [c]	2500	3600	1800	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	9000	3000	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1800	540	ug/kg	
91-20-3	Naphthalene	ND	1800	720	ug/kg	
76-01-7	Pentachloroethane	ND	9000	1800	ug/kg	
107-12-0	Propionitrile	ND	18000	4300	ug/kg	
103-65-1	n-Propylbenzene	2890	1800	430	ug/kg	
100-42-5	Styrene	ND	1800	360	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1800	360	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1800	400	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1800	650	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1800	360	ug/kg	
87-61-6	1,2,3-Trichlorobenzene [b]	ND	1800	720	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	1800	680	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	1800	720	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB23-26		
Lab Sample ID:	F61772-8	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	78.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	544	1800	360	ug/kg	J
108-67-8	1,3,5-Trimethylbenzene	ND	1800	360	ug/kg	
127-18-4	Tetrachloroethylene	ND	1800	430	ug/kg	
108-88-3	Toluene	ND	1800	360	ug/kg	
79-01-6	Trichloroethylene	ND	1800	430	ug/kg	
75-69-4	Trichlorofluoromethane	ND	1800	720	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	9000	1800	ug/kg	
75-01-4	Vinyl chloride	ND	1800	720	ug/kg	
108-05-4	Vinyl Acetate	ND	9000	4300	ug/kg	
	m,p-Xylene	1300	3600	680	ug/kg	J
95-47-6	o-Xylene	2950	1800	360	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-121%
2037-26-5	Toluene-D8	93%		71-130%
460-00-4	4-Bromofluorobenzene	98%		59-148%
17060-07-0	1,2-Dichloroethane-D4	111%		77-123%

(a) En Core samples were not preserved within 48 hours.
(b) CCV outside of control limits; results may be biased low.
(c) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB23-26		
Lab Sample ID:	F61772-8A	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015	**Percent Solids:**	78.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	QR045053.D	1	12/07/08	AH	n/a	n/a	GQR1960
Run #2 [b]	QR045036.D	1	12/06/08	AH	n/a	n/a	GQR1959

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.52 g	5.0 ml	1.0 ul
Run #2	5.52 g	5.0 ml	10.0 ul

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	4910	720	360	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene		120% [c]	56-136%
460-00-4	4-Bromofluorobenzene	84%	181% [d]	56-136%
98-08-8	aaa-Trifluorotoluene	114% [c]		61-121%
98-08-8	aaa-Trifluorotoluene	123% [d]	614% [d]	61-121%

(a) En Core samples were not preserved within 48 hours.
(b) Confirmation run.
(c) Result reported from PID.
(d) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB23-26		
Lab Sample ID:	F61772-8A	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	78.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24170.D	1	11/27/08	ME	11/26/08	OP27279	GLL904
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.3	mg/kg	
	TPH (> C22-C36)	ND	10	6.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	77%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB23-26-a		
Lab Sample ID:	F61772-9	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	77.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054595.D	1	12/04/08	MM	11/25/08 18:40	n/a	VG2064
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.45 g	5.0 ml	20.0 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	19000	9300	ug/kg	
75-05-8	Acetonitrile	ND	19000	6000	ug/kg	
107-02-8	Acrolein	ND	9300	3700	ug/kg	
107-13-1	Acrylonitrile	ND	9300	2600	ug/kg	
107-05-1	Allyl chloride	ND	9300	1900	ug/kg	
71-43-2	Benzene	24400	1900	370	ug/kg	
100-44-7	Benzyl Chloride	ND	1900	410	ug/kg	
108-86-1	Bromobenzene	ND	1900	370	ug/kg	
74-97-5	Bromochloromethane	ND	1900	630	ug/kg	
75-27-4	Bromodichloromethane	ND	1900	450	ug/kg	
75-25-2	Bromoform	ND	1900	560	ug/kg	
104-51-8	n-Butylbenzene	ND	1900	520	ug/kg	
135-98-8	sec-Butylbenzene	1210	1900	410	ug/kg	J
98-06-6	tert-Butylbenzene	494	1900	410	ug/kg	J
108-90-7	Chlorobenzene	ND	1900	370	ug/kg	
75-00-3	Chloroethane	ND	1900	750	ug/kg	
67-66-3	Chloroform	ND	1900	630	ug/kg	
544-10-5	1-Chlorohexane	ND	1900	480	ug/kg	
95-49-8	o-Chlorotoluene	ND	1900	370	ug/kg	
106-43-4	p-Chlorotoluene	ND	1900	370	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	9300	3700	ug/kg	
75-15-0	Carbon disulfide	ND	1900	410	ug/kg	
56-23-5	Carbon tetrachloride	ND	1900	520	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1900	750	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	1900	480	ug/kg	
563-58-6	1,1-Dichloropropene	ND	1900	520	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1900	890	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1900	370	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1900	410	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1900	520	ug/kg	
142-28-9	1,3-Dichloropropane	ND	1900	370	ug/kg	
594-20-7	2,2-Dichloropropane	ND	1900	780	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB23-26-a		
Lab Sample ID:	F61772-9	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	77.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1900	370	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	1900	750	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	1900	600	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1900	480	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	9300	1900	ug/kg	
541-73-1	m-Dichlorobenzene	ND	1900	370	ug/kg	
95-50-1	o-Dichlorobenzene	ND	1900	370	ug/kg	
106-46-7	p-Dichlorobenzene	ND	1900	370	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	1900	450	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1900	370	ug/kg	
100-41-4	Ethylbenzene	25100	1900	370	ug/kg	
97-63-2	Ethyl methacrylate	ND	9300	1900	ug/kg	
76-13-1	Freon 113 [b]	ND	1900	970	ug/kg	
591-78-6	2-Hexanone	ND	9300	1900	ug/kg	
87-68-3	Hexachlorobutadiene	ND	1900	450	ug/kg	
110-54-3	Hexane	ND	1900	890	ug/kg	
98-82-8	Isopropylbenzene	58900	1900	410	ug/kg	
99-87-6	p-Isopropyltoluene	ND	1900	410	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	9300	2400	ug/kg	
126-98-7	Methacrylonitrile	ND	9300	2000	ug/kg	
74-83-9	Methyl bromide	ND	1900	820	ug/kg	
74-87-3	Methyl chloride	ND	1900	890	ug/kg	
74-88-4	Methyl iodide	ND	3700	750	ug/kg	
80-62-6	Methyl methacrylate	ND	9300	1900	ug/kg	
74-95-3	Methylene bromide	ND	1900	560	ug/kg	
75-09-2	Methylene chloride [c]	1990	3700	1900	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	9300	3100	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1900	560	ug/kg	
91-20-3	Naphthalene	ND	1900	750	ug/kg	
76-01-7	Pentachloroethane	ND	9300	1900	ug/kg	
107-12-0	Propionitrile	ND	19000	4500	ug/kg	
103-65-1	n-Propylbenzene	3150	1900	450	ug/kg	
100-42-5	Styrene	ND	1900	370	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1900	370	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1900	410	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1900	670	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1900	370	ug/kg	
87-61-6	1,2,3-Trichlorobenzene [b]	ND	1900	750	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	1900	710	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	1900	750	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB23-26-a		
Lab Sample ID:	F61772-9	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	77.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	1900	370	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	1900	370	ug/kg	
127-18-4	Tetrachloroethylene	ND	1900	450	ug/kg	
108-88-3	Toluene	ND	1900	370	ug/kg	
79-01-6	Trichloroethylene	ND	1900	450	ug/kg	
75-69-4	Trichlorofluoromethane	ND	1900	750	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	9300	1900	ug/kg	
75-01-4	Vinyl chloride	ND	1900	750	ug/kg	
108-05-4	Vinyl Acetate	ND	9300	4500	ug/kg	
	m,p-Xylene	913	3700	710	ug/kg	J
95-47-6	o-Xylene	3300	1900	370	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-121%
2037-26-5	Toluene-D8	93%		71-130%
460-00-4	4-Bromofluorobenzene	94%		59-148%
17060-07-0	1,2-Dichloroethane-D4	110%		77-123%

(a) En Core samples were not preserved within 48 hours.
(b) CCV outside of control limits; results may be biased low.
(c) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB23-26-a		
Lab Sample ID:	F61772-9	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	77.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	QR045054.D	1	12/07/08	AH	11/25/08 18:40	n/a	GQR1960
Run #2 [b]	QR045037.D	1	12/06/08	AH	11/25/08 18:40	n/a	GQR1959

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.45 g	5.0 ml	0.50 ul
Run #2	5.45 g	5.0 ml	10.0 ul

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	5630	1500	750	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene		125% [c]	56-136%
460-00-4	4-Bromofluorobenzene	80%	197% [d]	56-136%
98-08-8	aaa-Trifluorotoluene	113%	642% [d]	61-121%

(a) En Core samples were not preserved within 48 hours.
(b) Confirmation run.
(c) Result reported from PID.
(d) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB23-26-a		
Lab Sample ID:	F61772-9	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	77.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24372.D	1	12/05/08	NY	12/02/08	OP27307	GLL908
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22) [a]	25.5	11	6.5	mg/kg	
	TPH (> C22-C36)	8.72	11	6.5	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	94%		49-108%

(a) Petroleum hydrocarbon pattern begins before C10.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB23-35		
Lab Sample ID:	F61772-10	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054702.D	1	12/08/08	MM	11/25/08 18:40	n/a	VG2067
Run #2 [b]	G0054596.D	1	12/04/08	MM	11/25/08 18:40	n/a	VG2064

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.62 g		
Run #2	5.66 g	5.0 ml	100 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	56	28	ug/kg	
75-05-8	Acetonitrile	ND	56	18	ug/kg	
107-02-8	Acrolein	ND	28	11	ug/kg	
107-13-1	Acrylonitrile	ND	28	7.7	ug/kg	
107-05-1	Allyl chloride	ND	28	5.6	ug/kg	
71-43-2	Benzene	1880 [c]	340	68	ug/kg	
100-44-7	Benzyl Chloride	ND	5.6	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.6	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.6	1.9	ug/kg	
75-27-4	Bromodichloromethane	ND	5.6	1.3	ug/kg	
75-25-2	Bromoform	ND	5.6	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	5.6	1.6	ug/kg	
135-98-8	sec-Butylbenzene	19.3	5.6	1.2	ug/kg	
98-06-6	tert-Butylbenzene	7.9	5.6	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.6	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.6	2.2	ug/kg	
67-66-3	Chloroform	ND	5.6	1.9	ug/kg	
544-10-5	1-Chlorohexane	ND	5.6	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.6	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.6	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	28	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.6	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.6	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.6	2.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.6	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.6	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.6	2.7	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.6	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	1.8	5.6	1.2	ug/kg	J
78-87-5	1,2-Dichloropropane	ND	5.6	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.6	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.6	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB23-35		
Lab Sample ID:	F61772-10	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.6	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.6	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.6	1.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.6	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	28	5.6	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.6	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.6	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.6	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.6	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.6	1.1	ug/kg	
100-41-4	Ethylbenzene	120	5.6	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	28	5.6	ug/kg	
76-13-1	Freon 113	ND	5.6	2.9	ug/kg	
591-78-6	2-Hexanone	ND	28	5.6	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.6	1.3	ug/kg	
110-54-3	Hexane	ND	5.6	2.7	ug/kg	
98-82-8	Isopropylbenzene	323	5.6	1.2	ug/kg	E
99-87-6	p-Isopropyltoluene	ND	5.6	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	28	7.1	ug/kg	
126-98-7	Methacrylonitrile	ND	28	6.1	ug/kg	
74-83-9	Methyl bromide	ND	5.6	2.4	ug/kg	
74-87-3	Methyl chloride	ND	5.6	2.7	ug/kg	
74-88-4	Methyl iodide	ND	11	2.2	ug/kg	
80-62-6	Methyl methacrylate	ND	28	5.6	ug/kg	
74-95-3	Methylene bromide	ND	5.6	1.7	ug/kg	
75-09-2	Methylene chloride	ND	11	5.6	ug/kg	
78-93-3	Methyl ethyl ketone	ND	28	9.2	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.6	1.7	ug/kg	
91-20-3	Naphthalene	ND	5.6	2.2	ug/kg	
76-01-7	Pentachloroethane	ND	28	5.6	ug/kg	
107-12-0	Propionitrile	ND	56	13	ug/kg	
103-65-1	n-Propylbenzene	30.9	5.6	1.3	ug/kg	
100-42-5	Styrene	ND	5.6	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.6	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.6	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.6	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.6	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.6	2.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.6	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB23-35		
Lab Sample ID:	F61772-10	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	2.2	5.6	1.1	ug/kg	J
108-67-8	1,3,5-Trimethylbenzene	ND	5.6	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.6	1.3	ug/kg	
108-88-3	Toluene	ND	5.6	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.6	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.6	2.2	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	28	5.6	ug/kg	
75-01-4	Vinyl chloride	ND	5.6	2.2	ug/kg	
108-05-4	Vinyl Acetate	ND	28	13	ug/kg	
	m,p-Xylene	2.8	11	2.1	ug/kg	J
95-47-6	o-Xylene	1.7	5.6	1.1	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%	98%	80-121%
2037-26-5	Toluene-D8	105%	89%	71-130%
460-00-4	4-Bromofluorobenzene	93%	94%	59-148%
17060-07-0	1,2-Dichloroethane-D4	98%	114%	77-123%

(a) Sample re-analyzed beyond hold time; reported results are considered minimum values.
(b) En Core samples were not preserved within 48 hours.
(c) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB23-35		
Lab Sample ID:	F61772-10	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	80.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	QR045055.D	1	12/07/08	AH	11/25/08 18:40	n/a	GQR1960
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.66 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.8	3.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	76%		56-136%
98-08-8	aaa-Trifluorotoluene	77%		61-121%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB23-35		
Lab Sample ID:	F61772-10	**Date Sampled:**	11/23/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	80.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	LL24373.D	1	12/05/08	NY	12/02/08	OP27307	GLL908
Run #2 [b]	LL24503.D	1	12/12/08	NY	12/12/08	OP27426	GLL913

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2	29.8 g	1.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.2	mg/kg	
	TPH (> C22-C36)	ND	10	6.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	30%	88%	49-108%

(a) Confirmed ND by re-extraction and reanalysis beyond holdtime.
(b) Confirmation run.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61772-11	**Date Sampled:**	11/23/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/25/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054597.D	1	12/04/08	MM	n/a	n/a	VG2064
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61772-11	**Date Sampled:**	11/23/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/25/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113 [b]	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene [b]	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61772-11	**Date Sampled:**	11/23/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/25/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-121%
2037-26-5	Toluene-D8	91%		71-130%
460-00-4	4-Bromofluorobenzene	96%		59-148%
17060-07-0	1,2-Dichloroethane-D4	114%		77-123%

(a) Soil vials were not preserved within 48 hours of sampling; results are considered minimum values.
(b) CCV outside of control limits; results may be biased low.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

F61772

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

Page 1 of 1

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number [1]: 11-24-2008-3

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Greg Kinsman / Zack Beck

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)					Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
1	SS61-SB21-25	SS61-SB21	23-11-2008	0810	23 - 25	N	01	SO	5	X	X	X									3
2	SS61-SB21-28	SS61-SB21	23-11-2008	0820	26 - 28	N	01	SO	5	X	X	X									3
3	SS61-SB21-35	SS61-SB21	23-11-2008	0830	33 - 35	N	01	SO	5	X	X	X									3
4	SS61-SB22-22	SS61-SB22	23-11-2008	1000	20 - 22	N	01	SO	5	X	X	X									3
5	SS61-SB22-26	SS61-SB22	23-11-2008	1010	24 - 26	N	01	SO	5	X	X	X									3
6	SS61-SB22-35	SS61-SB22	23-11-2008	1020	33 - 35	N	01	SO	5	X	X	X									3
7	SS61-SB23-16	SS61-SB23	23-11-2008	1150	14 - 16	N	01	SO	5	X	X	X									3
8	SS61-SB23-26	SS61-SB23	23-11-2008	1200	24 - 26	N	01	SO	5	X	X	X									3
9	SS61-SB23262	SS61-SB23	23-11-2008	1200	24 - 26	FD	01	SO	5	X	X	X									3
10	SS61-SB23-35	SS61-SB23	23-11-2008	1210	33 - 35	N	01	SO	5	X	X	X									3
11	Trip Blank					TB		WQ	3	X											3

Sample Analysis Requested [5] | Quality Assurance Samples [6]

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

~~**~~ RUSH VOC Analysis for samples SS61-SB21-28 and SS61-SB23-26

NOTE: VOC encore samples packed with Dry Ice

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1.		11/24/08	1400		11.25.08	09:00
2.						
3.						

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: Shipped No.:

Method of Shipment: Airbill Number:

Analytical Lab: Accutest Laboratories Delivery Location:

Lab Recipient: Delivery Date/Time:

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

0.4

4.1 4

F61772: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61772 CLIENT: Bhate PROJECT: SS-61

DATE/TIME RECEIVED: 11.25.08 09:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 0.4

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8668 3474 5055

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [X] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 40

NUMBER OF 5035 FIELD KITS ? 18

NUMBER OF LAB FILTERED METALS ? 8

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE E.T. 11.25.08 TECHNICIAN SIGNATURE/DATE 11/26/08 ASBD 12/17/07

4.1 4

F61772: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61772
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2064-MB	G0054581.D	1	12/04/08	MM	n/a	n/a	VG2064

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61772-1, F61772-2, F61772-3, F61772-4, F61772-5, F61772-6, F61772-7, F61772-8, F61772-9, F61772-10, F61772-11

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61772
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2064-MB	G0054581.D	1	12/04/08	MM	n/a	n/a	VG2064

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61772-1, F61772-2, F61772-3, F61772-4, F61772-5, F61772-6, F61772-7, F61772-8, F61772-9, F61772-10, F61772-11

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F61772
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2064-MB	G0054581.D	1	12/04/08	MM	n/a	n/a	VG2064

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61772-1, F61772-2, F61772-3, F61772-4, F61772-5, F61772-6, F61772-7, F61772-8, F61772-9, F61772-10, F61772-11

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	80-121%
2037-26-5	Toluene-D8	87%	71-130%
460-00-4	4-Bromofluorobenzene	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	113%	77-123%

Method Blank Summary

Job Number: F61772
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2065-MB	G0054625.D	1	12/05/08	MM	n/a	n/a	VG2065

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61772-2

CAS No.	Compound	Result	RL	MDL	Units	Q
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	104%	80-121%
2037-26-5	Toluene-D8	86%	71-130%
460-00-4	4-Bromofluorobenzene	101%	59-148%
17060-07-0	1,2-Dichloroethane-D4	109%	77-123%

Method Blank Summary

Job Number: F61772
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2067-MB	G0054678.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61772-10

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	

Method Blank Summary

Job Number: F61772
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2067-MB	G0054678.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61772-10

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	7.7	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	3.6	5.0	2.0	ug/kg	J
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	

Method Blank Summary

Job Number: F61772
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2067-MB	G0054678.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61772-10

CAS No.	Compound	Result	RL	MDL	Units	Q
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	80-121%
2037-26-5	Toluene-D8	88%	71-130%
460-00-4	4-Bromofluorobenzene	94%	59-148%
17060-07-0	1,2-Dichloroethane-D4	102%	77-123%

Blank Spike Summary

Job Number: F61772
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2064-BS	G0054580.D	1	12/04/08	MM	n/a	n/a	VG2064

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61772-1, F61772-2, F61772-3, F61772-4, F61772-5, F61772-6, F61772-7, F61772-8, F61772-9, F61772-10, F61772-11

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	183	73	61-144
75-05-8	Acetonitrile	500	1190	238*	59-139
107-02-8	Acrolein	250	31.2	12*	27-156
107-13-1	Acrylonitrile	250	258	103	55-144
107-05-1	Allyl chloride	50	55.7	111	41-152
71-43-2	Benzene	50	54.8	110	78-130
100-44-7	Benzyl Chloride	50	47.0	94	74-130
108-86-1	Bromobenzene	50	55.4	111	78-123
74-97-5	Bromochloromethane	50	47.9	96	72-122
75-27-4	Bromodichloromethane	50	54.2	108	73-122
75-25-2	Bromoform	50	52.7	105	70-139
104-51-8	n-Butylbenzene	50	57.9	116	80-138
135-98-8	sec-Butylbenzene	50	59.7	119	82-132
98-06-6	tert-Butylbenzene	50	57.1	114	79-130
108-90-7	Chlorobenzene	50	55.4	111	83-122
75-00-3	Chloroethane	50	39.6	79	61-153
67-66-3	Chloroform	50	56.9	114	79-129
544-10-5	1-Chlorohexane	50	51.6	103	85-137
95-49-8	o-Chlorotoluene	50	56.8	114	77-123
106-43-4	p-Chlorotoluene	50	57.5	115	78-129
110-75-8	2-Chloroethyl vinyl ether	250	317	127	52-142
75-15-0	Carbon disulfide	50	46.0	92	61-142
56-23-5	Carbon tetrachloride	50	53.3	107	79-135
75-34-3	1,1-Dichloroethane	50	54.8	110	77-132
75-35-4	1,1-Dichloroethylene	50	48.3	97	66-132
563-58-6	1,1-Dichloropropene	50	54.7	109	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	49.6	99	67-129
106-93-4	1,2-Dibromoethane	50	47.9	96	77-126
107-06-2	1,2-Dichloroethane	50	49.5	99	78-129
78-87-5	1,2-Dichloropropane	50	53.0	106	74-127
142-28-9	1,3-Dichloropropane	50	50.4	101	78-118
594-20-7	2,2-Dichloropropane	50	55.3	111	80-137
124-48-1	Dibromochloromethane	50	52.6	105	78-117
75-71-8	Dichlorodifluoromethane	50	30.2	60	35-162
156-59-2	cis-1,2-Dichloroethylene	50	52.8	106	74-123
10061-01-5	cis-1,3-Dichloropropene	50	56.6	113	79-130

Blank Spike Summary

Job Number: F61772
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2064-BS	G0054580.D	1	12/04/08	MM	n/a	n/a	VG2064

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61772-1, F61772-2, F61772-3, F61772-4, F61772-5, F61772-6, F61772-7, F61772-8, F61772-9, F61772-10, F61772-11

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	45.6	91	71-126
541-73-1	m-Dichlorobenzene	50	57.9	116	82-126
95-50-1	o-Dichlorobenzene	50	56.7	113	83-123
106-46-7	p-Dichlorobenzene	50	56.5	113	84-124
156-60-5	trans-1,2-Dichloroethylene	50	53.0	106	77-129
10061-02-6	trans-1,3-Dichloropropene	50	57.8	116	87-131
100-41-4	Ethylbenzene	50	55.0	110	82-124
97-63-2	Ethyl methacrylate	50	45.3	91	78-118
76-13-1	Freon 113	50	24.2	48*	62-147
591-78-6	2-Hexanone	250	230	92	67-130
87-68-3	Hexachlorobutadiene	50	58.3	117	77-150
110-54-3	Hexane	50	59.5	119	65-147
98-82-8	Isopropylbenzene	50	62.0	124	82-133
99-87-6	p-Isopropyltoluene	50	59.7	119	82-132
108-10-1	4-Methyl-2-pentanone	250	231	92	69-125
126-98-7	Methacrylonitrile	500	454	91	70-138
74-83-9	Methyl bromide	50	47.0	94	60-146
74-87-3	Methyl chloride	50	43.9	88	58-163
74-88-4	Methyl iodide	50	47.0	94	66-128
80-62-6	Methyl methacrylate	50	44.4	89	73-125
74-95-3	Methylene bromide	50	52.0	104	75-128
75-09-2	Methylene chloride	50	55.0	110	62-140
78-93-3	Methyl ethyl ketone	250	212	85	66-134
1634-04-4	Methyl Tert Butyl Ether	50	46.0	92	70-131
91-20-3	Naphthalene	50	35.3	71	59-143
76-01-7	Pentachloroethane	50	55.6	111	64-156
107-12-0	Propionitrile	500	446	89	73-133
103-65-1	n-Propylbenzene	50	56.9	114	78-129
100-42-5	Styrene	50	52.8	106	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	55.2	110	81-121
71-55-6	1,1,1-Trichloroethane	50	55.4	111	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	50.4	101	70-128
79-00-5	1,1,2-Trichloroethane	50	50.0	100	76-118
87-61-6	1,2,3-Trichlorobenzene	50	25.0	50*	78-136
96-18-4	1,2,3-Trichloropropane	50	47.0	94	74-125
120-82-1	1,2,4-Trichlorobenzene	50	45.8	92	82-137

Blank Spike Summary

Job Number: F61772
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2064-BS	G0054580.D	1	12/04/08	MM	n/a	n/a	VG2064

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61772-1, F61772-2, F61772-3, F61772-4, F61772-5, F61772-6, F61772-7, F61772-8, F61772-9, F61772-10, F61772-11

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	57.1	114	77-129
108-67-8	1,3,5-Trimethylbenzene	50	58.5	117	79-129
127-18-4	Tetrachloroethylene	50	54.1	108	79-132
108-88-3	Toluene	50	52.9	106	80-123
79-01-6	Trichloroethylene	50	54.3	109	78-132
75-69-4	Trichlorofluoromethane	50	40.9	82	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	96.7	193*	74-138
75-01-4	Vinyl chloride	50	36.4	73	60-145
108-05-4	Vinyl Acetate	250	382	153	25-164
	m,p-Xylene	100	116	116	82-128
95-47-6	o-Xylene	50	58.6	117	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	80-121%
2037-26-5	Toluene-D8	96%	71-130%
460-00-4	4-Bromofluorobenzene	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	101%	77-123%

Blank Spike Summary

Job Number: F61772
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2065-BS	G0054622.D	1	12/05/08	MM	n/a	n/a	VG2065

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61772-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
98-06-6	tert-Butylbenzene	50	55.9	112	79-130
98-82-8	Isopropylbenzene	50	52.1	104	82-133
75-09-2	Methylene chloride	50	48.4	97	62-140

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	80-121%
2037-26-5	Toluene-D8	96%	71-130%
460-00-4	4-Bromofluorobenzene	101%	59-148%
17060-07-0	1,2-Dichloroethane-D4	92%	77-123%

Blank Spike Summary

Job Number: F61772
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2067-BS	G0054692.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61772-10

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	167	67	61-144
75-05-8	Acetonitrile	500	508	102	59-139
107-02-8	Acrolein	250	49.0	20*	27-156
107-13-1	Acrylonitrile	250	291	116	55-144
107-05-1	Allyl chloride	50	59.7	119	41-152
100-44-7	Benzyl Chloride	50	51.7	103	74-130
108-86-1	Bromobenzene	50	53.6	107	78-123
74-97-5	Bromochloromethane	50	44.7	89	72-122
75-27-4	Bromodichloromethane	50	49.7	99	73-122
75-25-2	Bromoform	50	47.1	94	70-139
104-51-8	n-Butylbenzene	50	62.6	125	80-138
135-98-8	sec-Butylbenzene	50	60.2	120	82-132
98-06-6	tert-Butylbenzene	50	58.7	117	79-130
108-90-7	Chlorobenzene	50	53.4	107	83-122
75-00-3	Chloroethane	50	48.7	97	61-153
67-66-3	Chloroform	50	55.2	110	79-129
544-10-5	1-Chlorohexane	50	50.8	102	85-137
95-49-8	o-Chlorotoluene	50	56.3	113	77-123
106-43-4	p-Chlorotoluene	50	56.7	113	78-129
110-75-8	2-Chloroethyl vinyl ether	250	324	130	52-142
75-15-0	Carbon disulfide	50	44.8	90	61-142
56-23-5	Carbon tetrachloride	50	58.3	117	79-135
75-34-3	1,1-Dichloroethane	50	55.6	111	77-132
75-35-4	1,1-Dichloroethylene	50	54.0	108	66-132
563-58-6	1,1-Dichloropropene	50	55.3	111	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	60.8	122	67-129
106-93-4	1,2-Dibromoethane	50	47.3	95	77-126
107-06-2	1,2-Dichloroethane	50	49.4	99	78-129
78-87-5	1,2-Dichloropropane	50	51.9	104	74-127
142-28-9	1,3-Dichloropropane	50	48.8	98	78-118
594-20-7	2,2-Dichloropropane	50	69.8	140*	80-137
124-48-1	Dibromochloromethane	50	44.7	89	78-117
75-71-8	Dichlorodifluoromethane	50	36.0	72	35-162
156-59-2	cis-1,2-Dichloroethylene	50	50.9	102	74-123
10061-01-5	cis-1,3-Dichloropropene	50	53.0	106	79-130
1476-11-5	cis-1,4-Dichloro-2-Butene	50	53.3	107	71-126

Blank Spike Summary

Job Number: F61772
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2067-BS	G0054692.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61772-10

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
541-73-1	m-Dichlorobenzene	50	55.2	110	82-126
95-50-1	o-Dichlorobenzene	50	56.6	113	83-123
106-46-7	p-Dichlorobenzene	50	56.5	113	84-124
156-60-5	trans-1,2-Dichloroethylene	50	53.6	107	77-129
10061-02-6	trans-1,3-Dichloropropene	50	55.8	112	87-131
100-41-4	Ethylbenzene	50	54.9	110	82-124
97-63-2	Ethyl methacrylate	50	51.5	103	78-118
76-13-1	Freon 113	50	79.3	159*	62-147
591-78-6	2-Hexanone	250	228	91	67-130
87-68-3	Hexachlorobutadiene	50	78.0	156*	77-150
110-54-3	Hexane	50	63.6	127	65-147
98-82-8	Isopropylbenzene	50	57.8	116	82-133
99-87-6	p-Isopropyltoluene	50	60.9	122	82-132
108-10-1	4-Methyl-2-pentanone	250	258	103	69-125
126-98-7	Methacrylonitrile	500	472	94	70-138
74-83-9	Methyl bromide	50	48.7	97	60-146
74-87-3	Methyl chloride	50	49.0	98	58-163
74-88-4	Methyl iodide	50	42.2	84	66-128
80-62-6	Methyl methacrylate	50	50.0	100	73-125
74-95-3	Methylene bromide	50	49.2	98	75-128
75-09-2	Methylene chloride	50	58.8	118	62-140
78-93-3	Methyl ethyl ketone	250	177	71	66-134
1634-04-4	Methyl Tert Butyl Ether	50	50.9	102	70-131
91-20-3	Naphthalene	50	97.2	194*	59-143
76-01-7	Pentachloroethane	50	57.0	114	64-156
107-12-0	Propionitrile	500	467	93	73-133
103-65-1	n-Propylbenzene	50	58.0	116	78-129
100-42-5	Styrene	50	54.6	109	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	51.3	103	81-121
71-55-6	1,1,1-Trichloroethane	50	58.4	117	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	54.2	108	70-128
79-00-5	1,1,2-Trichloroethane	50	50.0	100	76-118
87-61-6	1,2,3-Trichlorobenzene	50	67.2	134	78-136
96-18-4	1,2,3-Trichloropropane	50	47.5	95	74-125
120-82-1	1,2,4-Trichlorobenzene	50	114	228*	82-137
95-63-6	1,2,4-Trimethylbenzene	50	57.8	116	77-129

Blank Spike Summary

Job Number: F61772
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2067-BS	G0054692.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61772-10

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-67-8	1,3,5-Trimethylbenzene	50	57.2	114	79-129
127-18-4	Tetrachloroethylene	50	55.1	110	79-132
108-88-3	Toluene	50	53.1	106	80-123
79-01-6	Trichloroethylene	50	54.9	110	78-132
75-69-4	Trichlorofluoromethane	50	54.8	110	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	108	216*	74-138
75-01-4	Vinyl chloride	50	47.5	95	60-145
108-05-4	Vinyl Acetate	250	405	162	25-164
	m,p-Xylene	100	113	113	82-128
95-47-6	o-Xylene	50	55.2	110	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	80-121%
2037-26-5	Toluene-D8	98%	71-130%
460-00-4	4-Bromofluorobenzene	95%	59-148%
17060-07-0	1,2-Dichloroethane-D4	95%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61772
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61771-4MS	G0054585.D	1	12/04/08	MM	n/a	n/a	VG2064
F61771-4MSD	G0054586.D	1	12/04/08	MM	n/a	n/a	VG2064
F61771-4	G0054584.D	1	12/04/08	MM	n/a	n/a	VG2064

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61772-1, F61772-2, F61772-3, F61772-4, F61772-5, F61772-6, F61772-7, F61772-8, F61772-9, F61772-10, F61772-11

CAS No.	Compound	F61771-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		297	206	69	185	62	11	61-144/29
75-05-8	Acetonitrile	ND		594	1420	239*	1380	232*	3	59-139/30
107-02-8	Acrolein	ND		297	18.4	6*	21.6	7*	16	27-156/39
107-13-1	Acrylonitrile	ND		297	359	121	357	120	1	55-144/24
107-05-1	Allyl chloride	ND		59.4	54.7	92	59.0	99	8	41-152/24
71-43-2	Benzene	54.5		59.4	56.4	3*	58.9	7*	4	78-130/25
100-44-7	Benzyl Chloride	ND		59.4	52.2	88	49.3	83	6	74-130/28
108-86-1	Bromobenzene	ND		59.4	58.0	98	62.3	105	7	78-123/30
74-97-5	Bromochloromethane	ND		59.4	53.6	90	52.6	89	2	72-122/23
75-27-4	Bromodichloromethane	ND		59.4	59.4	100	60.4	102	2	73-122/25
75-25-2	Bromoform	ND		59.4	63.2	106	65.4	110	3	70-139/26
104-51-8	n-Butylbenzene	ND		59.4	58.5	98	61.2	103	5	80-138/31
135-98-8	sec-Butylbenzene	ND		59.4	58.1	98	61.5	103	6	82-132/29
98-06-6	tert-Butylbenzene	ND		59.4	57.0	96	61.5	103	8	79-130/29
108-90-7	Chlorobenzene	ND		59.4	55.6	94	58.4	98	5	83-122/23
75-00-3	Chloroethane	ND		59.4	40.8	69	41.3	69	1	61-153/31
67-66-3	Chloroform	ND		59.4	58.1	98	59.8	101	3	79-129/27
544-10-5	1-Chlorohexane	ND		59.4	47.7	80*	51.6	87	8	85-137/29
95-49-8	o-Chlorotoluene	ND		59.4	57.4	97	61.1	103	6	77-123/31
106-43-4	p-Chlorotoluene	ND		59.4	59.4	100	61.2	103	3	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		297	419	141	407	137	3	52-142/25
75-15-0	Carbon disulfide	ND		59.4	47.0	79	49.9	84	6	61-142/27
56-23-5	Carbon tetrachloride	ND		59.4	52.0	87	65.0	109	22	79-135/29
75-34-3	1,1-Dichloroethane	ND		59.4	54.5	92	57.2	96	5	77-132/26
75-35-4	1,1-Dichloroethylene	ND		59.4	49.6	83	51.0	86	3	66-132/27
563-58-6	1,1-Dichloropropene	ND		59.4	53.8	91	55.2	93	3	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		59.4	68.4	115	68.8	116	1	67-129/29
106-93-4	1,2-Dibromoethane	ND		59.4	57.1	96	58.3	98	2	77-126/24
107-06-2	1,2-Dichloroethane	ND		59.4	57.2	96	57.2	96	0	78-129/24
78-87-5	1,2-Dichloropropane	ND		59.4	59.5	100	58.9	99	1	74-127/27
142-28-9	1,3-Dichloropropane	ND		59.4	57.9	97	58.4	98	1	78-118/26
594-20-7	2,2-Dichloropropane	ND		59.4	50.6	85	53.0	89	5	80-137/28
124-48-1	Dibromochloromethane	ND		59.4	58.6	99	60.0	101	2	78-117/27
75-71-8	Dichlorodifluoromethane	ND		59.4	27.7	47	30.1	51	8	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		59.4	53.6	90	52.2	88	3	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		59.4	62.4	105	62.1	104	0	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61772
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61771-4MS	G0054585.D	1	12/04/08	MM	n/a	n/a	VG2064
F61771-4MSD	G0054586.D	1	12/04/08	MM	n/a	n/a	VG2064
F61771-4	G0054584.D	1	12/04/08	MM	n/a	n/a	VG2064

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61772-1, F61772-2, F61772-3, F61772-4, F61772-5, F61772-6, F61772-7, F61772-8, F61772-9, F61772-10, F61772-11

CAS No.	Compound	F61771-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		59.4	61.9	104	62.7	106	1	71-126/28
541-73-1	m-Dichlorobenzene	ND		59.4	59.0	99	62.7	106	6	82-126/29
95-50-1	o-Dichlorobenzene	ND		59.4	61.8	104	64.0	108	3	83-123/28
106-46-7	p-Dichlorobenzene	ND		59.4	59.7	100	62.5	105	5	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		59.4	53.1	89	54.6	92	3	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		59.4	61.8	104	64.8	109	5	87-131/27
100-41-4	Ethylbenzene	ND		59.4	54.0	91	57.1	96	6	82-124/25
97-63-2	Ethyl methacrylate	ND		59.4	34.5	58*	36.5	61*	6	78-118/30
76-13-1	Freon 113	ND		59.4	40.8	69	35.3	59*	14	62-147/29
591-78-6	2-Hexanone	ND		297	270	91	272	92	1	67-130/29
87-68-3	Hexachlorobutadiene	ND		59.4	55.0	93	57.1	96	4	77-150/36
110-54-3	Hexane	ND		59.4	56.2	95	55.7	94	1	65-147/27
98-82-8	Isopropylbenzene	11.6		59.4	59.0	80*	61.8	84	5	82-133/27
99-87-6	p-Isopropyltoluene	ND		59.4	59.1	99	62.3	105	5	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		297	304	102	304	102	0	69-125/24
126-98-7	Methacrylonitrile	ND		594	623	105	602	101	3	70-138/22
74-83-9	Methyl bromide	ND		59.4	47.2	79	48.7	82	3	60-146/31
74-87-3	Methyl chloride	ND		59.4	44.8	75	45.8	77	2	58-163/26
74-88-4	Methyl iodide	ND		59.4	47.0	79	48.8	82	4	66-128/27
80-62-6	Methyl methacrylate	ND		59.4	69.0	116	66.4	112	4	73-125/24
74-95-3	Methylene bromide	ND		59.4	63.7	107	60.8	102	5	75-128/26
75-09-2	Methylene chloride	ND		59.4	55.6	94	57.1	96	3	62-140/25
78-93-3	Methyl ethyl ketone	ND		297	253	85	237	80	7	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		59.4	59.1	99	57.3	96	3	70-131/25
91-20-3	Naphthalene	ND		59.4	44.2	74	38.8	65	13	59-143/31
76-01-7	Pentachloroethane	ND		59.4	57.0	96	58.7	99	3	64-156/37
107-12-0	Propionitrile	ND		594	619	104	594	100	4	73-133/23
103-65-1	n-Propylbenzene	ND		59.4	55.0	93	59.6	100	8	78-129/29
100-42-5	Styrene	ND		59.4	52.9	89	56.8	96	7	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		59.4	56.4	95	58.5	98	4	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		59.4	54.7	92	57.0	96	4	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		59.4	64.4	108	65.8	111	2	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		59.4	58.9	99	59.8	101	2	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		59.4	25.7	43*	21.2	36*	19	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		59.4	57.3	96	58.5	98	2	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		59.4	49.7	84	46.2	78*	7	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61772
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61771-4MS	G0054585.D	1	12/04/08	MM	n/a	n/a	VG2064
F61771-4MSD	G0054586.D	1	12/04/08	MM	n/a	n/a	VG2064
F61771-4	G0054584.D	1	12/04/08	MM	n/a	n/a	VG2064

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61772-1, F61772-2, F61772-3, F61772-4, F61772-5, F61772-6, F61772-7, F61772-8, F61772-9, F61772-10, F61772-11

CAS No.	Compound	F61771-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		59.4	57.9	97	61.5	103	6	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		59.4	57.8	97	62.4	105	8	79-129/31
127-18-4	Tetrachloroethylene	ND		59.4	54.0	91	58.9	99	9	79-132/27
108-88-3	Toluene	ND		59.4	52.0	87	54.8	92	5	80-123/26
79-01-6	Trichloroethylene	ND		59.4	54.9	92	55.0	93	0	78-132/28
75-69-4	Trichlorofluoromethane	ND		59.4	39.8	67	40.9	69	3	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		59.4	127	214*	121	204*	5	74-138/30
75-01-4	Vinyl chloride	ND		59.4	36.5	61	38.6	65	6	60-145/29
108-05-4	Vinyl Acetate	ND		297	180	61	176	59	2	25-164/35
	m,p-Xylene	ND		119	113	95	118	99	4	82-128/25
95-47-6	o-Xylene	ND		59.4	57.5	97	60.7	102	5	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61771-4	Limits
1868-53-7	Dibromofluoromethane	103%	100%	102%	80-121%
2037-26-5	Toluene-D8	93%	95%	91%	71-130%
460-00-4	4-Bromofluorobenzene	98%	99%	93%	59-148%
17060-07-0	1,2-Dichloroethane-D4	110%	103%	115%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61772
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61770-1MS	G0054628.D	1	12/05/08	MM	n/a	n/a	VG2065
F61770-1MSD	G0054629.D	1	12/05/08	MM	n/a	n/a	VG2065
F61770-1	G0054627.D	1	12/05/08	MM	n/a	n/a	VG2065

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61772-2

CAS No.	Compound	F61770-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
98-06-6	tert-Butylbenzene	ND		62.5	59.5	95	58.5	94	2	79-130/29
98-82-8	Isopropylbenzene	2.8	J	62.5	58.5	89	57.2	87	2	82-133/27
75-09-2	Methylene chloride	ND		62.5	62.7	100	64.9	104	3	62-140/25

CAS No.	Surrogate Recoveries	MS	MSD	F61770-1	Limits
1868-53-7	Dibromofluoromethane	103%	98%	106%	80-121%
2037-26-5	Toluene-D8	95%	93%	86%	71-130%
460-00-4	4-Bromofluorobenzene	100%	96%	101%	59-148%
17060-07-0	1,2-Dichloroethane-D4	103%	100%	117%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61772
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61902-1MS	G0054687.D	1	12/08/08	MM	n/a	n/a	VG2067
F61902-1MSD	G0054688.D	1	12/08/08	MM	n/a	n/a	VG2067
F61902-1	G0054686.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61772-10

CAS No.	Compound	F61902-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		301	97.2	32*	106	34*	9	61-144/29
75-05-8	Acetonitrile	ND		602	517	86	559	88	8	59-139/30
107-02-8	Acrolein	ND		301	ND	0*	ND	0*	nc	27-156/39
107-13-1	Acrylonitrile	ND		301	255	85	267	84	5	55-144/24
107-05-1	Allyl chloride	ND		60.2	52.2	87	55.8	88	7	41-152/24
100-44-7	Benzyl Chloride	ND		60.2	35.0	58*	36.8	58*	5	74-130/28
108-86-1	Bromobenzene	ND		60.2	57.9	96	61.1	97	5	78-123/30
74-97-5	Bromochloromethane	ND		60.2	48.1	80	50.4	80	5	72-122/23
75-27-4	Bromodichloromethane	ND		60.2	51.8	86	53.9	85	4	73-122/25
75-25-2	Bromoform	ND		60.2	45.0	75	47.0	74	4	70-139/26
104-51-8	n-Butylbenzene	ND		60.2	58.4	97	61.9	98	6	80-138/31
135-98-8	sec-Butylbenzene	ND		60.2	59.3	99	62.8	99	6	82-132/29
98-06-6	tert-Butylbenzene	ND		60.2	59.0	98	60.7	96	3	79-130/29
108-90-7	Chlorobenzene	ND		60.2	54.9	91	56.7	90	3	83-122/23
75-00-3	Chloroethane	ND		60.2	50.5	84	53.7	85	6	61-153/31
67-66-3	Chloroform	ND		60.2	58.0	96	62.0	98	7	79-129/27
544-10-5	1-Chlorohexane	ND		60.2	45.3	75*	45.5	72*	0	85-137/29
95-49-8	o-Chlorotoluene	ND		60.2	58.7	98	62.9	99	7	77-123/31
106-43-4	p-Chlorotoluene	ND		60.2	57.2	95	61.8	98	8	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		301	325	108	336	106	3	52-142/25
75-15-0	Carbon disulfide	ND		60.2	43.2	72	45.4	72	5	61-142/27
56-23-5	Carbon tetrachloride	ND		60.2	45.2	75*	58.2	92	25	79-135/29
75-34-3	1,1-Dichloroethane	ND		60.2	57.6	96	60.6	96	5	77-132/26
75-35-4	1,1-Dichloroethylene	ND		60.2	46.5	77	48.4	77	4	66-132/27
563-58-6	1,1-Dichloropropene	ND		60.2	54.2	90	56.4	89	4	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		60.2	74.6	124	77.9	123	4	67-129/29
106-93-4	1,2-Dibromoethane	ND		60.2	46.6	77	48.1	76*	3	77-126/24
107-06-2	1,2-Dichloroethane	ND		60.2	51.5	86	53.4	84	4	78-129/24
78-87-5	1,2-Dichloropropane	ND		60.2	55.4	92	57.8	91	4	74-127/27
142-28-9	1,3-Dichloropropane	ND		60.2	47.3	79	48.8	77*	3	78-118/26
594-20-7	2,2-Dichloropropane	ND		60.2	58.9	98	59.7	94	1	80-137/28
124-48-1	Dibromochloromethane	ND		60.2	44.1	73*	44.3	70*	0	78-117/27
75-71-8	Dichlorodifluoromethane	ND		60.2	29.8	50	35.7	56	18	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		60.2	52.3	87	55.1	87	5	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		60.2	51.8	86	53.3	84	3	79-130/23
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		60.2	48.2	80	51.6	82	7	71-126/28

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61772
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61902-1MS	G0054687.D	1	12/08/08	MM	n/a	n/a	VG2067
F61902-1MSD	G0054688.D	1	12/08/08	MM	n/a	n/a	VG2067
F61902-1	G0054686.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61772-10

CAS No.	Compound	F61902-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
541-73-1	m-Dichlorobenzene	ND		60.2	58.2	97	61.5	97	6	82-126/29
95-50-1	o-Dichlorobenzene	ND		60.2	56.9	95	62.2	98	9	83-123/28
106-46-7	p-Dichlorobenzene	ND		60.2	58.4	97	63.0	100	8	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		60.2	54.6	91	58.9	93	8	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		60.2	53.9	90	54.9	87	2	87-131/27
100-41-4	Ethylbenzene	ND		60.2	55.0	91	57.1	90	4	82-124/25
97-63-2	Ethyl methacrylate	ND		60.2	15.4	26*	15.7	25*	2	78-118/30
76-13-1	Freon 113	ND		60.2	85.9	143	73.1	116	16	62-147/29
591-78-6	2-Hexanone	ND		301	192	64*	193	61*	1	67-130/29
87-68-3	Hexachlorobutadiene	ND		60.2	98.4	164*	107	169*	8	77-150/36
110-54-3	Hexane	ND		60.2	52.1	87	52.5	83	1	65-147/27
98-82-8	Isopropylbenzene	ND		60.2	57.7	96	59.2	94	3	82-133/27
99-87-6	p-Isopropyltoluene	ND		60.2	59.4	99	64.4	102	8	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		301	231	77	227	72	2	69-125/24
126-98-7	Methacrylonitrile	ND		602	451	75	473	75	5	70-138/22
74-83-9	Methyl bromide	ND		60.2	46.9	78	52.7	83	12	60-146/31
74-87-3	Methyl chloride	ND		60.2	49.1	82	52.1	82	6	58-163/26
74-88-4	Methyl iodide	ND		60.2	40.6	67	43.4	69	7	66-128/27
80-62-6	Methyl methacrylate	ND		60.2	54.6	91	54.9	87	1	73-125/24
74-95-3	Methylene bromide	ND		60.2	50.7	84	52.8	84	4	75-128/26
75-09-2	Methylene chloride	8.5	J	60.2	70.7	103	72.2	101	2	62-140/25
78-93-3	Methyl ethyl ketone	ND		301	127	42*	135	43*	6	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		60.2	50.6	84	53.9	85	6	70-131/25
91-20-3	Naphthalene	ND		60.2	640	1064*	671	1061*	5	59-143/31
76-01-7	Pentachloroethane	ND		60.2	55.8	93	56.6	90	1	64-156/37
107-12-0	Propionitrile	ND		602	449	75	462	73	3	73-133/23
103-65-1	n-Propylbenzene	ND		60.2	59.3	99	62.1	98	5	78-129/29
100-42-5	Styrene	ND		60.2	53.9	90	56.1	89	4	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		60.2	52.3	87	53.3	84	2	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		60.2	56.3	94	57.9	92	3	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		60.2	55.9	93	59.8	95	7	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		60.2	51.1	85	52.3	83	2	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		60.2	822	1366*	755	1194*	8	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		60.2	48.9	81	51.2	81	5	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		60.2	357	593*	368	582*	3	82-137/32
95-63-6	1,2,4-Trimethylbenzene	ND		60.2	60.9	101	65.5	104	7	77-129/29

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61772
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61902-1MS	G0054687.D	1	12/08/08	MM	n/a	n/a	VG2067
F61902-1MSD	G0054688.D	1	12/08/08	MM	n/a	n/a	VG2067
F61902-1	G0054686.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61772-10

CAS No.	Compound	F61902-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
108-67-8	1,3,5-Trimethylbenzene	ND		60.2	59.5	99	61.5	97	3	79-129/31
127-18-4	Tetrachloroethylene	ND		60.2	56.4	94	60.4	96	7	79-132/27
108-88-3	Toluene	ND		60.2	53.3	89	53.6	85	1	80-123/26
79-01-6	Trichloroethylene	ND		60.2	55.7	93	58.6	93	5	78-132/28
75-69-4	Trichlorofluoromethane	ND		60.2	52.3	87	57.7	91	10	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		60.2	98.2	163*	104	164*	6	74-138/30
75-01-4	Vinyl chloride	ND		60.2	45.6	76	47.8	76	5	60-145/29
108-05-4	Vinyl Acetate	ND		301	40.8	14*	40.2	13*	1	25-164/35
	m,p-Xylene	ND		120	117	97	119	94	2	82-128/25
95-47-6	o-Xylene	ND		60.2	55.5	92	58.3	92	5	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61902-1	Limits
1868-53-7	Dibromofluoromethane	100%	101%	103%	80-121%
2037-26-5	Toluene-D8	97%	93%	88%	71-130%
460-00-4	4-Bromofluorobenzene	94%	93%	93%	59-148%
17060-07-0	1,2-Dichloroethane-D4	93%	94%	102%	77-123%

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61772
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1959-MB	QR045023.D	1	12/06/08	AH	n/a	n/a	GQR1959

The QC reported here applies to the following samples: **Method:** SW846 8015

F61772-1, F61772-3, F61772-4, F61772-5, F61772-6, F61772-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	88%	56-136%
98-08-8	aaa-Trifluorotoluene	77%	61-121%

Method Blank Summary

Job Number: F61772
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1960-MB	QR045051.D	1	12/07/08	AH	n/a	n/a	GQR1960

The QC reported here applies to the following samples: **Method:** SW846 8015

F61772-9, F61772-10, F61772-2A, F61772-8A

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	82%	56-136%
98-08-8	aaa-Trifluorotoluene	77%	61-121%

Blank Spike Summary

Job Number: F61772
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1959-BS	QR045022.D	1	12/06/08	AH	n/a	n/a	GQR1959

The QC reported here applies to the following samples: **Method:** SW846 8015

F61772-1, F61772-3, F61772-4, F61772-5, F61772-6, F61772-7

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	17.3	87	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	109%	56-136%
98-08-8	aaa-Trifluorotoluene	95%	61-121%

Blank Spike Summary

Job Number: F61772
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1960-BS	QR045050.D	1	12/07/08	AH	n/a	n/a	GQR1960

The QC reported here applies to the following samples: **Method:** SW846 8015

F61772-9, F61772-10, F61772-2A, F61772-8A

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	19.9	100	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	96%	56-136%
98-08-8	aaa-Trifluorotoluene	96%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61772
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61775-1AMS	QR045043.D	1	12/06/08	AH	n/a	n/a	GQR1959
F61775-1AMSD	QR045044.D	1	12/06/08	AH	n/a	n/a	GQR1959
F61775-1A [a]	QR045024.D	1	12/06/08	AH	n/a	n/a	GQR1959

The QC reported here applies to the following samples: **Method:** SW846 8015

F61772-1, F61772-3, F61772-4, F61772-5, F61772-6, F61772-7

CAS No.	Compound	F61775-1A mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	411		319	667	80	675	83	1	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61775-1A	Limits
460-00-4	4-Bromofluorobenzene	120%	123%	105%	56-136%
98-08-8	aaa-Trifluorotoluene	105% [b]			61-121%
98-08-8	aaa-Trifluorotoluene	122%* [c]	121%	104%	61-121%

(a) En Core samples were not preserved within 48 hours.
(b) Result reported from PID.
(c) Outside control limits due to matrix interference.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61772
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61772-10MS	QR045069.D	1	12/07/08	AH	n/a	n/a	GQR1960
F61772-10MSD	QR045070.D	1	12/07/08	AH	n/a	n/a	GQR1960
F61772-10 [a]	QR045055.D	1	12/07/08	AH	n/a	n/a	GQR1960

The QC reported here applies to the following samples: **Method:** SW846 8015

F61772-9, F61772-10, F61772-2A, F61772-8A

CAS No.	Compound	F61772-10 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		27.1	24.3	90	26.0	96	7	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61772-10	Limits
460-00-4	4-Bromofluorobenzene	82%	91%	76%	56-136%
98-08-8	aaa-Trifluorotoluene	93%	95%	77%	61-121%

(a) En Core samples were not preserved within 48 hours.

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61772
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27279-MB	LL24168.D	1	11/27/08	ME	11/26/08	OP27279	GLL904

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61772-2A, F61772-8A

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	89%	49-108%

Method Blank Summary

Job Number: F61772
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27279-MB	LL24276.D	1	12/03/08	NY	11/26/08	OP27279	GLL907

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61772-2A, F61772-8A

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	130%*	49-108%

Method Blank Summary

Job Number: F61772
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27307-MB	LL24346.D	1	12/05/08	NY	12/02/08	OP27307	GLL908

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61772-1, F61772-3, F61772-4, F61772-5, F61772-6, F61772-7, F61772-9, F61772-10

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	88%	49-108%

Blank Spike Summary

Job Number: F61772
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27279-BS	LL24167.D	1	11/27/08	ME	11/26/08	OP27279	GLL904

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61772-2A, F61772-8A

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	29.8	89	64-102
	TPH (> C22-C36)	33.3	33.5	101	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	90%	49-108%

Blank Spike Summary

Job Number: F61772
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27307-BS	LL24345.D	1	12/05/08	NY	12/02/08	OP27307	GLL908

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61772-1, F61772-3, F61772-4, F61772-5, F61772-6, F61772-7, F61772-9, F61772-10

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	29.3	88	64-102
	TPH (> C22-C36)	33.3	33.0	99	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	90%	49-108%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61772
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27279-MS	LL24172.D	1	11/27/08	ME	11/26/08	OP27279	GLL904
OP27279-MSD	LL24173.D	1	11/27/08	ME	11/26/08	OP27279	GLL904
F61775-2	LL24171.D	1	11/27/08	ME	11/26/08	OP27279	GLL904

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61772-2A, F61772-8A

CAS No.	Compound	F61775-2 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		37.7	32.3	86	28.8	75	11	64-102/32
	TPH (> C22-C36)	ND		37.7	36.0	96	34.8	91	3	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F61775-2	Limits
84-15-1	o-Terphenyl	86%	76%	80%	49-108%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61772
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27307-MS	LL24359.D	1	12/05/08	NY	12/02/08	OP27307	GLL908
OP27307-MSD	LL24360.D	1	12/05/08	NY	12/02/08	OP27307	GLL908
F61771-4	LL24358.D	1	12/05/08	NY	12/02/08	OP27307	GLL908

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61772-1, F61772-3, F61772-4, F61772-5, F61772-6, F61772-7, F61772-9, F61772-10

CAS No.	Compound	F61771-4 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		45	37.3	83	40.6	90	8	64-102/32
	TPH (> C22-C36)	ND		45	38.1	85	45.3	101	17	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F61771-4	Limits
84-15-1	o-Terphenyl	84%	92%	87%	49-108%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/16/08

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F61775

Sampling Date: 11/22/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **78**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Sections: 1 2 3 4 5 6 7

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F61775-1: SS61-SB19-28 7
3.2: F61775-1A: SS61-SB19-28 10
3.3: F61775-2: SS61-SB19-25 12
3.4: F61775-3: SS61-SB19-40 17
3.5: F61775-4: SS61-SB20-25 22
3.6: F61775-5: SS61-SB20-29 27
3.7: F61775-6: SS61-SB20-29-a 32
3.8: F61775-7: SS61-SB20-35 37
3.9: F61775-8: TRIP BLANK 42
Section 4: Misc. Forms **45**
4.1: Chain of Custody 46
Section 5: GC/MS Volatiles - QC Data Summaries **48**
5.1: Method Blank Summary 49
5.2: Blank Spike Summary 55
5.3: Matrix Spike/Matrix Spike Duplicate Summary 61
Section 6: GC Volatiles - QC Data Summaries **67**
6.1: Method Blank Summary 68
6.2: Blank Spike Summary 70
6.3: Matrix Spike/Matrix Spike Duplicate Summary 72
Section 7: GC Semi-volatiles - QC Data Summaries **74**
7.1: Method Blank Summary 75
7.2: Blank Spike Summary 77
7.3: Matrix Spike/Matrix Spike Duplicate Summary 78

Sample Summary

North Wind, Inc

Job No: F61775

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F61775-1	11/22/08	11:45	GK	11/25/08	SO	Soil	SS61-SB19-28
F61775-1A	11/22/08	11:45	GK	11/25/08	SO	Soil	SS61-SB19-28
F61775-2	11/22/08	11:30	GK	11/25/08	SO	Soil	SS61-SB19-25
F61775-2D	11/22/08	11:30	GK	11/25/08	SO	Soil Dup/MSD	SS61-SB19-25
F61775-2S	11/22/08	11:30	GK	11/25/08	SO	Soil Matrix Spike	SS61-SB19-25
F61775-3	11/22/08	12:00	GK	11/25/08	SO	Soil	SS61-SB19-40
F61775-4	11/22/08	14:20	GK	11/25/08	SO	Soil	SS61-SB20-25
F61775-5	11/22/08	14:30	GK	11/25/08	SO	Soil	SS61-SB20-29
F61775-6	11/22/08	14:30	GK	11/25/08	SO	Soil	SS61-SB20-29-a
F61775-7	11/22/08	14:45	GK	11/25/08	SO	Soil	SS61-SB20-35
F61775-8	11/22/08	00:00	GK	11/25/08	SO	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F61775

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/15/2008 4:44:56

7 Samples, 1 Trip Blank were collected on 11/22/2008 and received at Accutest on 11/25/2008 properly preserved, at 0.2 Deg. C and intact. These Samples received an Accutest job number of F61775. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2063

All samples were analyzed within the recommended method holding time.

Sample(s) F61775-2MS, F61775-2MSD were used as the QC samples indicated.

Sample(s) F61775-1, F61775-2, F61775-6, F61775-7, F61775-8 have compound(s) reported with a “B” qualifier, indicating analyte is found in the associated method blank.

Blank Spike Recovery(s) for Hexachlorobutadiene, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for Acetone, Acrolein, Benzyl Chloride, Freon 113, Trans-1,4-Dichloro-2-Butene are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for Acetone, Acrolein, Benzyl Chloride, Trans-1,4-Dichloro-2-Butene are outside control limits. Probable cause due to matrix interference.

RPD(s) for MSD for Freon 113 are outside control limits for sample F61775-2MSD. Probable cause due to sample homogeneity.

F61775-2: En Core samples were not preserved within 48 hours.

F61775-3: En Core samples were not preserved within 48 hours.

F61775-4: En Core samples were not preserved within 48 hours.

F61775-1: En Core samples were not preserved within 48 hours.

F61775-5: En Core samples were not preserved within 48 hours.

F61775-7: En Core samples were not preserved within 48 hours.

F61775-8: Soil vials were not preserved within 48 hours of sampling; results are considered minimum values.

F61775-6: En Core samples were not preserved within 48 hours.

F61775-2 for Methylene chloride: Suspected laboratory contaminant.

F61775-8 for Methylene chloride: Suspected laboratory contaminant.

F61775-1 for Methylene chloride: Suspected laboratory contaminant.

F61775-6 for Methylene chloride: Suspected laboratory contaminant.

F61775-7 for Methylene chloride: Suspected laboratory contaminant.

Matrix: SO **Batch ID:** VG2064

All samples were analyzed within the recommended method holding time.

Sample(s) F61771-4MS, F61771-4MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for 1,2,3-Trichlorobenzene, Acetonitrile, Acrolein, Freon 113, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for 1,2,3-Trichlorobenzene, 1-Chlorohexane, Acetonitrile, Acrolein, Benzene, Ethyl methacrylate, Trans-1,4-Dichloro-2-Butene are outside control limits. Probable cause due to matrix interference.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2064

Matrix Spike Duplicate Recovery(s) for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Acetonitrile, Acrolein, Benzene, Ethyl methacrylate, Freon 113, Trans-1,4-Dichloro-2-Butene are outside control limits. Probable cause due to matrix interference.

F61775-5: En Core samples were not preserved within 48 hours.

F61775-5 for 1,2,3-Trichlorobenzene: CCV outside of control limits; results may be biased low.

F61775-5 for Methylene chloride: Suspected laboratory contaminant.

F61775-5 for Freon 113: CCV outside of control limits; results may be biased low.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GCD3629

All samples were analyzed within the recommended method holding time.
Sample(s) F61775-2MS, F61775-2MSD were used as the QC samples indicated.
All method blanks for this batch meet method specific criteria.
Sample(s) F61775-1AMS have surrogates outside control limits. Probable cause due to matrix interference.
F61775-7: En Core samples were not preserved within 48 hours.
F61775-2: En Core samples were not preserved within 48 hours.
F61775-4: En Core samples were not preserved within 48 hours.
F61775-3: En Core samples were not preserved within 48 hours.

Matrix: SO **Batch ID:** GQR1959

All samples were analyzed within the recommended method holding time.
All method blanks for this batch meet method specific criteria.
Sample(s) F61775-1AMS, F61775-1AMSD were used as the QC samples indicated.
Sample(s) F61775-1AMS have surrogates outside control limits. Probable cause due to matrix interference.
F61775-5: En Core samples were not preserved within 48 hours.
F61775-6: En Core samples were not preserved within 48 hours.
F61775-1A: En Core samples were not preserved within 48 hours.
F61775-1AMS for aaa-Trifluorotoluene: Outside control limits due to matrix interference.
F61775-1AMS for aaa-Trifluorotoluene: Result reported from PID.

Extractables by GC By Method SW846 8015 M

Matrix: SO **Batch ID:** OP27279

All samples were extracted within the recommended method holding time.
All samples were analyzed within the recommended method holding time.
Sample(s) F61775-2MS, F61775-2MSD were used as the QC samples indicated.
All method blanks for this batch meet method specific criteria.
Sample(s) OP27279-MB have surrogates outside control limits. Probable cause due to matrix interference.

Wet Chemistry By Method SM19 2540B M

Matrix: SO **Batch ID:** GN32962

Sample(s) F61770-1DUP were used as the QC samples for Solids, Percent.

Matrix: SO **Batch ID:** GN32970

Sample(s) F61775-2DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: December 15, 2008

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-SB19-28		
Lab Sample ID:	F61775-1	**Date Sampled:**	11/22/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	73.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054562.D	1	12/03/08	MM	11/25/08 17:35	n/a	VG2063
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.58 g	5.0 ml	100 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	4000	2000	ug/kg	
75-05-8	Acetonitrile	ND	4000	1300	ug/kg	
107-02-8	Acrolein	ND	2000	780	ug/kg	
107-13-1	Acrylonitrile	ND	2000	550	ug/kg	
107-05-1	Allyl chloride	ND	2000	400	ug/kg	
71-43-2	Benzene	ND	400	80	ug/kg	
100-44-7	Benzyl Chloride	ND	400	88	ug/kg	
108-86-1	Bromobenzene	ND	400	80	ug/kg	
74-97-5	Bromochloromethane	ND	400	140	ug/kg	
75-27-4	Bromodichloromethane	ND	400	96	ug/kg	
75-25-2	Bromoform	ND	400	120	ug/kg	
104-51-8	n-Butylbenzene	ND	400	110	ug/kg	
135-98-8	sec-Butylbenzene	283	400	88	ug/kg	J
98-06-6	tert-Butylbenzene	ND	400	88	ug/kg	
108-90-7	Chlorobenzene	ND	400	80	ug/kg	
75-00-3	Chloroethane	ND	400	160	ug/kg	
67-66-3	Chloroform	ND	400	140	ug/kg	
544-10-5	1-Chlorohexane	ND	400	100	ug/kg	
95-49-8	o-Chlorotoluene	ND	400	80	ug/kg	
106-43-4	p-Chlorotoluene	ND	400	80	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	2000	800	ug/kg	
75-15-0	Carbon disulfide	ND	400	88	ug/kg	
56-23-5	Carbon tetrachloride	ND	400	110	ug/kg	
75-34-3	1,1-Dichloroethane	ND	400	160	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	400	100	ug/kg	
563-58-6	1,1-Dichloropropene	ND	400	110	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	400	190	ug/kg	
106-93-4	1,2-Dibromoethane	ND	400	80	ug/kg	
107-06-2	1,2-Dichloroethane	ND	400	88	ug/kg	
78-87-5	1,2-Dichloropropane	ND	400	110	ug/kg	
142-28-9	1,3-Dichloropropane	ND	400	80	ug/kg	
594-20-7	2,2-Dichloropropane	ND	400	170	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB19-28		
Lab Sample ID:	F61775-1	**Date Sampled:**	11/22/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	73.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	400	80	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	400	160	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	400	130	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	400	100	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	2000	400	ug/kg	
541-73-1	m-Dichlorobenzene	ND	400	80	ug/kg	
95-50-1	o-Dichlorobenzene	ND	400	80	ug/kg	
106-46-7	p-Dichlorobenzene	ND	400	80	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	400	96	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	400	80	ug/kg	
100-41-4	Ethylbenzene	2550	400	80	ug/kg	
97-63-2	Ethyl methacrylate	ND	2000	400	ug/kg	
76-13-1	Freon 113	ND	400	210	ug/kg	
591-78-6	2-Hexanone	ND	2000	400	ug/kg	
87-68-3	Hexachlorobutadiene	ND	400	96	ug/kg	
110-54-3	Hexane	ND	400	190	ug/kg	
98-82-8	Isopropylbenzene	11600	400	88	ug/kg	
99-87-6	p-Isopropyltoluene	ND	400	88	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	2000	510	ug/kg	
126-98-7	Methacrylonitrile	ND	2000	440	ug/kg	
74-83-9	Methyl bromide	ND	400	180	ug/kg	
74-87-3	Methyl chloride	ND	400	190	ug/kg	
74-88-4	Methyl iodide	ND	800	160	ug/kg	
80-62-6	Methyl methacrylate	ND	2000	400	ug/kg	
74-95-3	Methylene bromide	ND	400	120	ug/kg	
75-09-2	Methylene chloride [b]	728	800	400	ug/kg	JB
78-93-3	Methyl ethyl ketone	ND	2000	660	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	400	120	ug/kg	
91-20-3	Naphthalene	ND	400	160	ug/kg	
76-01-7	Pentachloroethane	ND	2000	400	ug/kg	
107-12-0	Propionitrile	ND	4000	960	ug/kg	
103-65-1	n-Propylbenzene	904	400	96	ug/kg	
100-42-5	Styrene	ND	400	80	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	400	80	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	400	88	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	400	140	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	400	80	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	400	160	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	400	150	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	400	160	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB19-28		
Lab Sample ID:	F61775-1	**Date Sampled:**	11/22/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	73.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	354	400	80	ug/kg	J
108-67-8	1,3,5-Trimethylbenzene	159	400	80	ug/kg	J
127-18-4	Tetrachloroethylene	ND	400	96	ug/kg	
108-88-3	Toluene	ND	400	80	ug/kg	
79-01-6	Trichloroethylene	ND	400	96	ug/kg	
75-69-4	Trichlorofluoromethane	ND	400	160	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	2000	400	ug/kg	
75-01-4	Vinyl chloride	ND	400	160	ug/kg	
108-05-4	Vinyl Acetate	ND	2000	960	ug/kg	
	m,p-Xylene	923	800	150	ug/kg	
95-47-6	o-Xylene	327	400	80	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-121%
2037-26-5	Toluene-D8	90%		71-130%
460-00-4	4-Bromofluorobenzene	94%		59-148%
17060-07-0	1,2-Dichloroethane-D4	107%		77-123%

(a) En Core samples were not preserved within 48 hours.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB19-28		
Lab Sample ID:	F61775-1A	**Date Sampled:**	11/22/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015	**Percent Solids:**	73.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	QR045024.D	1	12/06/08	AH	n/a	n/a	GQR1959
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.58 g	5.0 ml	10.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	411	80	40	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	105%		56-136%
98-08-8	aaa-Trifluorotoluene	104%		61-121%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB19-28		
Lab Sample ID:	F61775-1A	**Date Sampled:**	11/22/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	73.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24181.D	1	11/27/08	ME	11/26/08	OP27279	GLL904
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	11	6.8	mg/kg	
	TPH (> C22-C36)	ND	11	6.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	77%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB19-25		
Lab Sample ID:	F61775-2	**Date Sampled:**	11/22/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054557.D	1	12/03/08	MM	11/25/08 17:35	n/a	VG2063
Run #2							

	Initial Weight
Run #1	5.99 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	31.0	48	24	ug/kg	J
75-05-8	Acetonitrile	ND	48	15	ug/kg	
107-02-8	Acrolein	ND	24	9.4	ug/kg	
107-13-1	Acrylonitrile	ND	24	6.6	ug/kg	
107-05-1	Allyl chloride	ND	24	4.8	ug/kg	
71-43-2	Benzene	ND	4.8	0.96	ug/kg	
100-44-7	Benzyl Chloride	ND	4.8	1.1	ug/kg	
108-86-1	Bromobenzene	ND	4.8	0.96	ug/kg	
74-97-5	Bromochloromethane	ND	4.8	1.6	ug/kg	
75-27-4	Bromodichloromethane	ND	4.8	1.2	ug/kg	
75-25-2	Bromoform	ND	4.8	1.4	ug/kg	
104-51-8	n-Butylbenzene	ND	4.8	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	4.8	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	4.8	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	4.8	0.96	ug/kg	
75-00-3	Chloroethane	ND	4.8	1.9	ug/kg	
67-66-3	Chloroform	ND	4.8	1.6	ug/kg	
544-10-5	1-Chlorohexane	ND	4.8	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.8	0.96	ug/kg	
106-43-4	p-Chlorotoluene	ND	4.8	0.96	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	24	9.6	ug/kg	
75-15-0	Carbon disulfide	ND	4.8	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.8	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.8	1.9	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.8	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	4.8	1.3	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.8	2.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4.8	0.96	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.8	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.8	1.3	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4.8	0.96	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4.8	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB19-25		
Lab Sample ID:	F61775-2	**Date Sampled:**	11/22/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	4.8	0.96	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.8	1.9	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.8	1.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.8	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	24	4.8	ug/kg	
541-73-1	m-Dichlorobenzene	ND	4.8	0.96	ug/kg	
95-50-1	o-Dichlorobenzene	ND	4.8	0.96	ug/kg	
106-46-7	p-Dichlorobenzene	ND	4.8	0.96	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	4.8	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.8	0.96	ug/kg	
100-41-4	Ethylbenzene	ND	4.8	0.96	ug/kg	
97-63-2	Ethyl methacrylate	ND	24	4.8	ug/kg	
76-13-1	Freon 113	ND	4.8	2.5	ug/kg	
591-78-6	2-Hexanone	ND	24	4.8	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.8	1.2	ug/kg	
110-54-3	Hexane	ND	4.8	2.3	ug/kg	
98-82-8	Isopropylbenzene	ND	4.8	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	4.8	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	24	6.2	ug/kg	
126-98-7	Methacrylonitrile	ND	24	5.3	ug/kg	
74-83-9	Methyl bromide	ND	4.8	2.1	ug/kg	
74-87-3	Methyl chloride	ND	4.8	2.3	ug/kg	
74-88-4	Methyl iodide	ND	9.6	1.9	ug/kg	
80-62-6	Methyl methacrylate	ND	24	4.8	ug/kg	
74-95-3	Methylene bromide	ND	4.8	1.4	ug/kg	
75-09-2	Methylene chloride [b]	4.8	9.6	4.8	ug/kg	JB
78-93-3	Methyl ethyl ketone	ND	24	8.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.8	1.4	ug/kg	
91-20-3	Naphthalene	ND	4.8	1.9	ug/kg	
76-01-7	Pentachloroethane	ND	24	4.8	ug/kg	
107-12-0	Propionitrile	ND	48	12	ug/kg	
103-65-1	n-Propylbenzene	ND	4.8	1.2	ug/kg	
100-42-5	Styrene	ND	4.8	0.96	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.8	0.96	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.8	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.8	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.8	0.96	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.8	1.9	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.8	1.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	1.9	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB19-25		
Lab Sample ID:	F61775-2	**Date Sampled:**	11/22/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	4.8	0.96	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.8	0.96	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.8	1.2	ug/kg	
108-88-3	Toluene	ND	4.8	0.96	ug/kg	
79-01-6	Trichloroethylene	ND	4.8	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.8	1.9	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	24	4.8	ug/kg	
75-01-4	Vinyl chloride	ND	4.8	1.9	ug/kg	
108-05-4	Vinyl Acetate	ND	24	12	ug/kg	
	m,p-Xylene	ND	9.6	1.8	ug/kg	
95-47-6	o-Xylene	ND	4.8	0.96	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		80-121%
2037-26-5	Toluene-D8	90%		71-130%
460-00-4	4-Bromofluorobenzene	101%		59-148%
17060-07-0	1,2-Dichloroethane-D4	110%		77-123%

(a) En Core samples were not preserved within 48 hours.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB19-25		
Lab Sample ID:	F61775-2	**Date Sampled:**	11/22/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	86.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD086242.D	1	12/05/08	JG	11/25/08 17:35	n/a	GCD3629
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.88 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.7	2.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	87%		56-136%
98-08-8	aaa-Trifluorotoluene	84%		61-121%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB19-25		
Lab Sample ID:	F61775-2	**Date Sampled:**	11/22/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	86.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24171.D	1	11/27/08	ME	11/26/08	OP27279	GLL904
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.4	5.6	mg/kg	
	TPH (> C22-C36)	ND	9.4	5.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB19-40		
Lab Sample ID:	F61775-3	**Date Sampled:**	11/22/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054564.D	1	12/03/08	MM	11/25/08 17:35	n/a	VG2063
Run #2							

	Initial Weight
Run #1	5.90 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.7	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	0.99	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	0.99	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	0.99	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	0.99	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	0.99	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	9.9	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	0.99	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	0.99	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB19-40		
Lab Sample ID:	F61775-3	**Date Sampled:**	11/22/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	0.99	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	0.99	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	0.99	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	0.99	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	0.99	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	0.99	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	3.7	5.0	1.1	ug/kg	J
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	9.9	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	9.9	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.2	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	0.99	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.99	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.99	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB19-40		
Lab Sample ID:	F61775-3	**Date Sampled:**	11/22/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.99	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.99	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	0.99	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	9.9	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	0.99	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		80-121%
2037-26-5	Toluene-D8	91%		71-130%
460-00-4	4-Bromofluorobenzene	95%		59-148%
17060-07-0	1,2-Dichloroethane-D4	112%		77-123%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB19-40		
Lab Sample ID:	F61775-3	**Date Sampled:**	11/22/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	85.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD086249.D	1	12/05/08	JG	11/25/08 17:35	n/a	GCD3629
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.09 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.7	2.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	79%		56-136%
98-08-8	aaa-Trifluorotoluene	81%		61-121%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB19-40		
Lab Sample ID:	F61775-3	**Date Sampled:**	11/22/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	85.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24174.D	1	11/27/08	ME	11/26/08	OP27279	GLL904
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.7	5.8	mg/kg	
	TPH (> C22-C36)	ND	9.7	5.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	77%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB20-25		
Lab Sample ID:	F61775-4	**Date Sampled:**	11/22/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054565.D	1	12/03/08	MM	11/25/08 17:35	n/a	VG2063
Run #2							

	Initial Weight
Run #1	5.80 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	42.5	49	24	ug/kg	J
75-05-8	Acetonitrile	ND	49	16	ug/kg	
107-02-8	Acrolein	ND	24	9.6	ug/kg	
107-13-1	Acrylonitrile	ND	24	6.8	ug/kg	
107-05-1	Allyl chloride	ND	24	4.9	ug/kg	
71-43-2	Benzene	ND	4.9	0.98	ug/kg	
100-44-7	Benzyl Chloride	ND	4.9	1.1	ug/kg	
108-86-1	Bromobenzene	ND	4.9	0.98	ug/kg	
74-97-5	Bromochloromethane	ND	4.9	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	4.9	1.2	ug/kg	
75-25-2	Bromoform	ND	4.9	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	4.9	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	4.9	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	4.9	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	4.9	0.98	ug/kg	
75-00-3	Chloroethane	ND	4.9	2.0	ug/kg	
67-66-3	Chloroform	ND	4.9	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	4.9	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.9	0.98	ug/kg	
106-43-4	p-Chlorotoluene	ND	4.9	0.98	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	24	9.8	ug/kg	
75-15-0	Carbon disulfide	ND	4.9	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.9	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.9	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.9	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	4.9	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.9	2.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4.9	0.98	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.9	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.9	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4.9	0.98	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4.9	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB20-25		
Lab Sample ID:	F61775-4	**Date Sampled:**	11/22/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	4.9	0.98	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.9	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.9	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.9	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	24	4.9	ug/kg	
541-73-1	m-Dichlorobenzene	ND	4.9	0.98	ug/kg	
95-50-1	o-Dichlorobenzene	ND	4.9	0.98	ug/kg	
106-46-7	p-Dichlorobenzene	ND	4.9	0.98	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	4.9	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.9	0.98	ug/kg	
100-41-4	Ethylbenzene	ND	4.9	0.98	ug/kg	
97-63-2	Ethyl methacrylate	ND	24	4.9	ug/kg	
76-13-1	Freon 113	ND	4.9	2.5	ug/kg	
591-78-6	2-Hexanone	ND	24	4.9	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.9	1.2	ug/kg	
110-54-3	Hexane	ND	4.9	2.3	ug/kg	
98-82-8	Isopropylbenzene	ND	4.9	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	4.9	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	24	6.3	ug/kg	
126-98-7	Methacrylonitrile	ND	24	5.4	ug/kg	
74-83-9	Methyl bromide	ND	4.9	2.2	ug/kg	
74-87-3	Methyl chloride	ND	4.9	2.3	ug/kg	
74-88-4	Methyl iodide	ND	9.8	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	24	4.9	ug/kg	
74-95-3	Methylene bromide	ND	4.9	1.5	ug/kg	
75-09-2	Methylene chloride	ND	9.8	4.9	ug/kg	
78-93-3	Methyl ethyl ketone	ND	24	8.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.9	1.5	ug/kg	
91-20-3	Naphthalene	ND	4.9	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	24	4.9	ug/kg	
107-12-0	Propionitrile	ND	49	12	ug/kg	
103-65-1	n-Propylbenzene	ND	4.9	1.2	ug/kg	
100-42-5	Styrene	ND	4.9	0.98	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.9	0.98	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.9	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.9	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.9	0.98	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.9	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.9	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB20-25		
Lab Sample ID:	F61775-4	**Date Sampled:**	11/22/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	4.9	0.98	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.9	0.98	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.9	1.2	ug/kg	
108-88-3	Toluene	ND	4.9	0.98	ug/kg	
79-01-6	Trichloroethylene	ND	4.9	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.9	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	24	4.9	ug/kg	
75-01-4	Vinyl chloride	ND	4.9	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	24	12	ug/kg	
	m,p-Xylene	ND	9.8	1.9	ug/kg	
95-47-6	o-Xylene	ND	4.9	0.98	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		80-121%
2037-26-5	Toluene-D8	91%		71-130%
460-00-4	4-Bromofluorobenzene	98%		59-148%
17060-07-0	1,2-Dichloroethane-D4	114%		77-123%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB20-25		
Lab Sample ID:	F61775-4	**Date Sampled:**	11/22/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	88.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD086270.D	1	12/05/08	JG	11/25/08 17:35	n/a	GCD3629
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.10 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.3	2.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	87%		56-136%
98-08-8	aaa-Trifluorotoluene	87%		61-121%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB20-25		
Lab Sample ID:	F61775-4	**Date Sampled:**	11/22/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	88.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24175.D	1	11/27/08	ME	11/26/08	OP27279	GLL904
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.4	5.6	mg/kg	
	TPH (> C22-C36)	ND	9.4	5.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	76%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB20-29		
Lab Sample ID:	F61775-5	**Date Sampled:**	11/22/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054583.D	1	12/04/08	MM	11/25/08 17:35	n/a	VG2064
Run #2 [a]	G0054566.D	1	12/03/08	MM	11/25/08 17:35	n/a	VG2063

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.34 g	5.0 ml	100 ul
Run #2	5.34 g	5.0 ml	20.0 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3500	1800	ug/kg	
75-05-8	Acetonitrile	ND	3500	1100	ug/kg	
107-02-8	Acrolein	ND	1800	690	ug/kg	
107-13-1	Acrylonitrile	ND	1800	490	ug/kg	
107-05-1	Allyl chloride	ND	1800	350	ug/kg	
71-43-2	Benzene	819	350	71	ug/kg	
100-44-7	Benzyl Chloride	ND	350	78	ug/kg	
108-86-1	Bromobenzene	ND	350	71	ug/kg	
74-97-5	Bromochloromethane	ND	350	120	ug/kg	
75-27-4	Bromodichloromethane	ND	350	85	ug/kg	
75-25-2	Bromoform	ND	350	110	ug/kg	
104-51-8	n-Butylbenzene	ND	350	99	ug/kg	
135-98-8	sec-Butylbenzene	780	350	78	ug/kg	
98-06-6	tert-Butylbenzene	306	350	78	ug/kg	J
108-90-7	Chlorobenzene	ND	350	71	ug/kg	
75-00-3	Chloroethane	ND	350	140	ug/kg	
67-66-3	Chloroform	ND	350	120	ug/kg	
544-10-5	1-Chlorohexane	ND	350	92	ug/kg	
95-49-8	o-Chlorotoluene	ND	350	71	ug/kg	
106-43-4	p-Chlorotoluene	ND	350	71	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1800	710	ug/kg	
75-15-0	Carbon disulfide	ND	350	78	ug/kg	
56-23-5	Carbon tetrachloride	ND	350	99	ug/kg	
75-34-3	1,1-Dichloroethane	ND	350	140	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	350	92	ug/kg	
563-58-6	1,1-Dichloropropene	ND	350	99	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	350	170	ug/kg	
106-93-4	1,2-Dibromoethane	ND	350	71	ug/kg	
107-06-2	1,2-Dichloroethane	ND	350	78	ug/kg	
78-87-5	1,2-Dichloropropane	ND	350	99	ug/kg	
142-28-9	1,3-Dichloropropane	ND	350	71	ug/kg	
594-20-7	2,2-Dichloropropane	ND	350	150	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB20-29		
Lab Sample ID:	F61775-5	**Date Sampled:**	11/22/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	350	71	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	350	140	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	350	110	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	350	92	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	1800	350	ug/kg	
541-73-1	m-Dichlorobenzene	ND	350	71	ug/kg	
95-50-1	o-Dichlorobenzene	ND	350	71	ug/kg	
106-46-7	p-Dichlorobenzene	ND	350	71	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	350	85	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	350	71	ug/kg	
100-41-4	Ethylbenzene	6430	350	71	ug/kg	
97-63-2	Ethyl methacrylate	ND	1800	350	ug/kg	
76-13-1	Freon 113 [b]	ND	350	180	ug/kg	
591-78-6	2-Hexanone	ND	1800	350	ug/kg	
87-68-3	Hexachlorobutadiene	ND	350	85	ug/kg	
110-54-3	Hexane	ND	350	170	ug/kg	
98-82-8	Isopropylbenzene	29100 [c]	1800	390	ug/kg	
99-87-6	p-Isopropyltoluene	ND	350	78	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1800	450	ug/kg	
126-98-7	Methacrylonitrile	ND	1800	390	ug/kg	
74-83-9	Methyl bromide	ND	350	160	ug/kg	
74-87-3	Methyl chloride	ND	350	170	ug/kg	
74-88-4	Methyl iodide	ND	710	140	ug/kg	
80-62-6	Methyl methacrylate	ND	1800	350	ug/kg	
74-95-3	Methylene bromide	ND	350	110	ug/kg	
75-09-2	Methylene chloride [d]	415	710	350	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	1800	590	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	350	110	ug/kg	
91-20-3	Naphthalene	ND	350	140	ug/kg	
76-01-7	Pentachloroethane	ND	1800	350	ug/kg	
107-12-0	Propionitrile	ND	3500	850	ug/kg	
103-65-1	n-Propylbenzene	1740	350	85	ug/kg	
100-42-5	Styrene	ND	350	71	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	350	71	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	350	78	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	350	130	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	350	71	ug/kg	
87-61-6	1,2,3-Trichlorobenzene [b]	ND	350	140	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	350	130	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	350	140	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB20-29		
Lab Sample ID:	F61775-5	**Date Sampled:**	11/22/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	3380	350	71	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	1500 [c]	1800	350	ug/kg	J
127-18-4	Tetrachloroethylene	ND	350	85	ug/kg	
108-88-3	Toluene	ND	350	71	ug/kg	
79-01-6	Trichloroethylene	ND	350	85	ug/kg	
75-69-4	Trichlorofluoromethane	ND	350	140	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	1800	350	ug/kg	
75-01-4	Vinyl chloride	ND	350	140	ug/kg	
108-05-4	Vinyl Acetate	ND	1800	850	ug/kg	
	m,p-Xylene	3720	710	130	ug/kg	
95-47-6	o-Xylene	2110	350	71	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%	104%	80-121%
2037-26-5	Toluene-D8	95%	90%	71-130%
460-00-4	4-Bromofluorobenzene	99%	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	114%	112%	77-123%

(a) En Core samples were not preserved within 48 hours.
(b) CCV outside of control limits; results may be biased low.
(c) Result is from Run# 2
(d) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB20-29		
Lab Sample ID:	F61775-5	**Date Sampled:**	11/22/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	80.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	QR045025.D	1	12/06/08	AH	11/25/08 17:35	n/a	GQR1959
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.34 g	5.0 ml	5.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	671	140	71	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	99%		56-136%
98-08-8	aaa-Trifluorotoluene	98%		61-121%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB20-29		
Lab Sample ID:	F61775-5	**Date Sampled:**	11/22/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	80.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24176.D	1	11/27/08	ME	11/26/08	OP27279	GLL904
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.1	mg/kg	
	TPH (> C22-C36)	ND	10	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB20-29-a		
Lab Sample ID:	F61775-6	**Date Sampled:**	11/22/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054567.D	1	12/03/08	MM	11/25/08 18:10	n/a	VG2063
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.47 g	5.0 ml	50.0 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	6500	3300	ug/kg	
75-05-8	Acetonitrile	ND	6500	2100	ug/kg	
107-02-8	Acrolein	ND	3300	1300	ug/kg	
107-13-1	Acrylonitrile	ND	3300	900	ug/kg	
107-05-1	Allyl chloride	ND	3300	650	ug/kg	
71-43-2	Benzene	670	650	130	ug/kg	
100-44-7	Benzyl Chloride	ND	650	140	ug/kg	
108-86-1	Bromobenzene	ND	650	130	ug/kg	
74-97-5	Bromochloromethane	ND	650	220	ug/kg	
75-27-4	Bromodichloromethane	ND	650	160	ug/kg	
75-25-2	Bromoform	ND	650	200	ug/kg	
104-51-8	n-Butylbenzene	ND	650	180	ug/kg	
135-98-8	sec-Butylbenzene	287	650	140	ug/kg	J
98-06-6	tert-Butylbenzene	ND	650	140	ug/kg	
108-90-7	Chlorobenzene	ND	650	130	ug/kg	
75-00-3	Chloroethane	ND	650	260	ug/kg	
67-66-3	Chloroform	ND	650	220	ug/kg	
544-10-5	1-Chlorohexane	ND	650	170	ug/kg	
95-49-8	o-Chlorotoluene	ND	650	130	ug/kg	
106-43-4	p-Chlorotoluene	ND	650	130	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	3300	1300	ug/kg	
75-15-0	Carbon disulfide	ND	650	140	ug/kg	
56-23-5	Carbon tetrachloride	ND	650	180	ug/kg	
75-34-3	1,1-Dichloroethane	ND	650	260	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	650	170	ug/kg	
563-58-6	1,1-Dichloropropene	ND	650	180	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	650	310	ug/kg	
106-93-4	1,2-Dibromoethane	ND	650	130	ug/kg	
107-06-2	1,2-Dichloroethane	ND	650	140	ug/kg	
78-87-5	1,2-Dichloropropane	ND	650	180	ug/kg	
142-28-9	1,3-Dichloropropane	ND	650	130	ug/kg	
594-20-7	2,2-Dichloropropane	ND	650	270	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB20-29-a		
Lab Sample ID:	F61775-6	**Date Sampled:**	11/22/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	650	130	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	650	260	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	650	210	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	650	170	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	3300	650	ug/kg	
541-73-1	m-Dichlorobenzene	ND	650	130	ug/kg	
95-50-1	o-Dichlorobenzene	ND	650	130	ug/kg	
106-46-7	p-Dichlorobenzene	ND	650	130	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	650	160	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	650	130	ug/kg	
100-41-4	Ethylbenzene	ND	650	130	ug/kg	
97-63-2	Ethyl methacrylate	ND	3300	650	ug/kg	
76-13-1	Freon 113	ND	650	340	ug/kg	
591-78-6	2-Hexanone	ND	3300	650	ug/kg	
87-68-3	Hexachlorobutadiene	ND	650	160	ug/kg	
110-54-3	Hexane	ND	650	310	ug/kg	
98-82-8	Isopropylbenzene	12800	650	140	ug/kg	
99-87-6	p-Isopropyltoluene	ND	650	140	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	3300	830	ug/kg	
126-98-7	Methacrylonitrile	ND	3300	720	ug/kg	
74-83-9	Methyl bromide	ND	650	290	ug/kg	
74-87-3	Methyl chloride	ND	650	310	ug/kg	
74-88-4	Methyl iodide	ND	1300	260	ug/kg	
80-62-6	Methyl methacrylate	ND	3300	650	ug/kg	
74-95-3	Methylene bromide	ND	650	200	ug/kg	
75-09-2	Methylene chloride [b]	2620	1300	650	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	3300	1100	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	650	200	ug/kg	
91-20-3	Naphthalene	ND	650	260	ug/kg	
76-01-7	Pentachloroethane	ND	3300	650	ug/kg	
107-12-0	Propionitrile	ND	6500	1600	ug/kg	
103-65-1	n-Propylbenzene	651	650	160	ug/kg	
100-42-5	Styrene	ND	650	130	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	650	130	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	650	140	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	650	230	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	650	130	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	650	260	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	650	250	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	650	260	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB20-29-a		
Lab Sample ID:	F61775-6	**Date Sampled:**	11/22/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	2380	650	130	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	650	130	ug/kg	
127-18-4	Tetrachloroethylene	ND	650	160	ug/kg	
108-88-3	Toluene	276	650	130	ug/kg	J
79-01-6	Trichloroethylene	ND	650	160	ug/kg	
75-69-4	Trichlorofluoromethane	ND	650	260	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	3300	650	ug/kg	
75-01-4	Vinyl chloride	ND	650	260	ug/kg	
108-05-4	Vinyl Acetate	ND	3300	1600	ug/kg	
	m,p-Xylene	2650	1300	250	ug/kg	
95-47-6	o-Xylene	2160	650	130	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-121%
2037-26-5	Toluene-D8	90%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	111%		77-123%

(a) En Core samples were not preserved within 48 hours.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB20-29-a		
Lab Sample ID:	F61775-6	**Date Sampled:**	11/22/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	83.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	QR045026.D	1	12/06/08	AH	11/25/08 18:10	n/a	GQR1959
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.47 g	5.0 ml	10.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	327	65	33	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	113%		56-136%
98-08-8	aaa-Trifluorotoluene	105%		61-121%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB20-29-a		
Lab Sample ID:	F61775-6	**Date Sampled:**	11/22/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	83.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24179.D	1	11/27/08	ME	11/26/08	OP27279	GLL904
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.8	5.9	mg/kg	
	TPH (> C22-C36)	ND	9.8	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	83%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB20-35		
Lab Sample ID:	F61775-7	**Date Sampled:**	11/22/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	91.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054568.D	1	12/03/08	MM	11/25/08 18:10	n/a	VG2063
Run #2							

	Initial Weight
Run #1	5.65 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	49	24	ug/kg	
75-05-8	Acetonitrile	ND	49	16	ug/kg	
107-02-8	Acrolein	ND	24	9.5	ug/kg	
107-13-1	Acrylonitrile	ND	24	6.7	ug/kg	
107-05-1	Allyl chloride	ND	24	4.9	ug/kg	
71-43-2	Benzene	1.1	4.9	0.97	ug/kg	J
100-44-7	Benzyl Chloride	ND	4.9	1.1	ug/kg	
108-86-1	Bromobenzene	ND	4.9	0.97	ug/kg	
74-97-5	Bromochloromethane	ND	4.9	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	4.9	1.2	ug/kg	
75-25-2	Bromoform	ND	4.9	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	4.9	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	4.9	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	4.9	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	4.9	0.97	ug/kg	
75-00-3	Chloroethane	ND	4.9	1.9	ug/kg	
67-66-3	Chloroform	ND	4.9	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	4.9	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.9	0.97	ug/kg	
106-43-4	p-Chlorotoluene	ND	4.9	0.97	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	24	9.7	ug/kg	
75-15-0	Carbon disulfide	ND	4.9	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.9	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.9	1.9	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.9	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	4.9	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.9	2.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4.9	0.97	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.9	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.9	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4.9	0.97	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4.9	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB20-35		
Lab Sample ID:	F61775-7	**Date Sampled:**	11/22/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	91.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	4.9	0.97	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.9	1.9	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.9	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.9	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	24	4.9	ug/kg	
541-73-1	m-Dichlorobenzene	ND	4.9	0.97	ug/kg	
95-50-1	o-Dichlorobenzene	ND	4.9	0.97	ug/kg	
106-46-7	p-Dichlorobenzene	ND	4.9	0.97	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	4.9	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.9	0.97	ug/kg	
100-41-4	Ethylbenzene	ND	4.9	0.97	ug/kg	
97-63-2	Ethyl methacrylate	ND	24	4.9	ug/kg	
76-13-1	Freon 113	ND	4.9	2.5	ug/kg	
591-78-6	2-Hexanone	ND	24	4.9	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.9	1.2	ug/kg	
110-54-3	Hexane	ND	4.9	2.3	ug/kg	
98-82-8	Isopropylbenzene	ND	4.9	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	4.9	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	24	6.2	ug/kg	
126-98-7	Methacrylonitrile	ND	24	5.3	ug/kg	
74-83-9	Methyl bromide	ND	4.9	2.1	ug/kg	
74-87-3	Methyl chloride	ND	4.9	2.3	ug/kg	
74-88-4	Methyl iodide	ND	9.7	1.9	ug/kg	
80-62-6	Methyl methacrylate	ND	24	4.9	ug/kg	
74-95-3	Methylene bromide	ND	4.9	1.5	ug/kg	
75-09-2	Methylene chloride [b]	5.6	9.7	4.9	ug/kg	JB
78-93-3	Methyl ethyl ketone	ND	24	8.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.9	1.5	ug/kg	
91-20-3	Naphthalene	ND	4.9	1.9	ug/kg	
76-01-7	Pentachloroethane	ND	24	4.9	ug/kg	
107-12-0	Propionitrile	ND	49	12	ug/kg	
103-65-1	n-Propylbenzene	ND	4.9	1.2	ug/kg	
100-42-5	Styrene	ND	4.9	0.97	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.9	0.97	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.9	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.9	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.9	0.97	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.9	1.9	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.9	1.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	1.9	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB20-35		
Lab Sample ID:	F61775-7	**Date Sampled:**	11/22/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	91.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	4.9	0.97	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.9	0.97	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.9	1.2	ug/kg	
108-88-3	Toluene	ND	4.9	0.97	ug/kg	
79-01-6	Trichloroethylene	ND	4.9	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.9	1.9	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	24	4.9	ug/kg	
75-01-4	Vinyl chloride	ND	4.9	1.9	ug/kg	
108-05-4	Vinyl Acetate	ND	24	12	ug/kg	
	m,p-Xylene	ND	9.7	1.8	ug/kg	
95-47-6	o-Xylene	ND	4.9	0.97	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-121%
2037-26-5	Toluene-D8	92%		71-130%
460-00-4	4-Bromofluorobenzene	95%		59-148%
17060-07-0	1,2-Dichloroethane-D4	112%		77-123%

(a) En Core samples were not preserved within 48 hours.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB20-35		
Lab Sample ID:	F61775-7	**Date Sampled:**	11/22/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	91.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD086268.D	1	12/05/08	JG	11/25/08 18:10	n/a	GCD3629
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.55 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.4	2.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	87%		56-136%
98-08-8	aaa-Trifluorotoluene	86%		61-121%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB20-35		
Lab Sample ID:	F61775-7	**Date Sampled:**	11/22/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	91.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24180.D	1	11/27/08	ME	11/26/08	OP27279	GLL904
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.1	5.5	mg/kg	
	TPH (> C22-C36)	ND	9.1	5.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	72%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61775-8	**Date Sampled:**	11/22/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/25/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054569.D	1	12/03/08	MM	n/a	n/a	VG2063
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61775-8	**Date Sampled:**	11/22/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/25/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride [b]	5.6	10	5.0	ug/kg	JB
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61775-8	**Date Sampled:**	11/22/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/25/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		80-121%
2037-26-5	Toluene-D8	87%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	111%		77-123%

(a) Soil vials were not preserved within 48 hours of sampling; results are considered minimum values.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

F61775

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

Page 1 of 1

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number [1]: 11-24-2008-2

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Greg Kinsman / Dusty McNeil

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)						Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
1	SS61-SB19-28	SS61-SB19	22-11-2008	1145	26 - 28	N	01	SO	5	X	X	X										2
2	SS61-SB19-25	SS61-SB19	22-11-2008	1130	23 - 25	N	01	SO	5	X	X	X										2
3	SS61-SB19-25-MS	SS61-SB19	22-11-2008	1130	23 - 25	MS	01	SO	5	X	X	X										2
4	SS61-SB19-25-MSD	SS61-SB19	22-11-2008	1130	23 - 25	SD	01	SO	5	X	X	X										2
5	SS61-SB19-40	SS61-SB19	22-11-2008	1200	38 - 40	N	01	SO	5	X	X	X										2
6	SS61-SB20-25	SS61-SB20	22-11-2008	1420	23 - 25	N	01	SO	5	X	X	X										2
7	SS61-SB20-29	SS61-SB20	22-11-2008	1430	27 - 29	N	01	SO	5	X	X	X										2
8	SS61-SB20-29D	SS61-SB20	22-11-2008	1430	27 - 29	FD	01	SO	5	X	X	X										2
	SS61-SB20-35	SS61-SB20	22-11-2008	1445	33 - 35	N	01	SO	5	X	X	X										2
	Trip Blank				-	TB		WQ	3	X												2
					-																	

Sample Analysis Requested [5] | Quality Assurance Samples [6]

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

*** RUSH VOC Analysis for SS61-SB19-28

Note VOC encore samples packed with Dry ice

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1.		11/24/08	1400			
2.					11.25.08	0900
3.						

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: Shipped No.:

Method of Shipment: Airbill Number:

Analytical Lab: Accutest Laboratories Delivery Location:

Lab Recipient: Delivery Date/Time:

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

0.2

4.1 4

F61775: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61775 CLIENT: Blate PROJECT: SS-61

DATE/TIME RECEIVED: 11-25-08 09:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 0.2

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8668 3474 5066

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [X] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 26

NUMBER OF 5035 FIELD KITS ? TB

NUMBER OF LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE E.T. 11.25.08 TECHNICIAN SIGNATURE/DATE 11/25/08 ASBD 12/17/07

4.1 4

F61775: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61775
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2063-MB	G0054551.D	1	12/03/08	MM	n/a	n/a	VG2063

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61775-1, F61775-2, F61775-3, F61775-4, F61775-5, F61775-6, F61775-7, F61775-8

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61775
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2063-MB	G0054551.D	1	12/03/08	MM	n/a	n/a	VG2063

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61775-1, F61775-2, F61775-3, F61775-4, F61775-5, F61775-6, F61775-7, F61775-8

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	8.9	10	5.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F61775
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2063-MB	G0054551.D	1	12/03/08	MM	n/a	n/a	VG2063

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61775-1, F61775-2, F61775-3, F61775-4, F61775-5, F61775-6, F61775-7, F61775-8

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	80-121%
2037-26-5	Toluene-D8	92%	71-130%
460-00-4	4-Bromofluorobenzene	96%	59-148%
17060-07-0	1,2-Dichloroethane-D4	111%	77-123%

Method Blank Summary

Job Number: F61775
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2064-MB	G0054581.D	1	12/04/08	MM	n/a	n/a	VG2064

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61775-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61775
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2064-MB	G0054581.D	1	12/04/08	MM	n/a	n/a	VG2064

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61775-5

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	

Method Blank Summary

Job Number: F61775
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2064-MB	G0054581.D	1	12/04/08	MM	n/a	n/a	VG2064

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61775-5

CAS No.	Compound	Result	RL	MDL	Units	Q
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	80-121%
2037-26-5	Toluene-D8	87%	71-130%
460-00-4	4-Bromofluorobenzene	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	113%	77-123%

Blank Spike Summary

Job Number: F61775
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2063-BS	G0054550.D	1	12/03/08	MM	n/a	n/a	VG2063

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61775-1, F61775-2, F61775-3, F61775-4, F61775-5, F61775-6, F61775-7, F61775-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	179	72	61-144
75-05-8	Acetonitrile	500	477	95	59-139
107-02-8	Acrolein	250	66.6	27	27-156
107-13-1	Acrylonitrile	250	248	99	55-144
107-05-1	Allyl chloride	50	46.5	93	41-152
71-43-2	Benzene	50	51.5	103	78-130
100-44-7	Benzyl Chloride	50	45.5	91	74-130
108-86-1	Bromobenzene	50	51.5	103	78-123
74-97-5	Bromochloromethane	50	43.5	87	72-122
75-27-4	Bromodichloromethane	50	48.2	96	73-122
75-25-2	Bromoform	50	47.6	95	70-139
104-51-8	n-Butylbenzene	50	55.0	110	80-138
135-98-8	sec-Butylbenzene	50	55.0	110	82-132
98-06-6	tert-Butylbenzene	50	53.1	106	79-130
108-90-7	Chlorobenzene	50	50.3	101	83-122
75-00-3	Chloroethane	50	47.6	95	61-153
67-66-3	Chloroform	50	51.3	103	79-129
544-10-5	1-Chlorohexane	50	45.8	92	85-137
95-49-8	o-Chlorotoluene	50	52.1	104	77-123
106-43-4	p-Chlorotoluene	50	52.8	106	78-129
110-75-8	2-Chloroethyl vinyl ether	250	309	124	52-142
75-15-0	Carbon disulfide	50	39.1	78	61-142
56-23-5	Carbon tetrachloride	50	49.8	100	79-135
75-34-3	1,1-Dichloroethane	50	49.7	99	77-132
75-35-4	1,1-Dichloroethylene	50	46.2	92	66-132
563-58-6	1,1-Dichloropropene	50	48.6	97	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	50.8	102	67-129
106-93-4	1,2-Dibromoethane	50	45.8	92	77-126
107-06-2	1,2-Dichloroethane	50	46.3	93	78-129
78-87-5	1,2-Dichloropropane	50	49.3	99	74-127
142-28-9	1,3-Dichloropropane	50	45.2	90	78-118
594-20-7	2,2-Dichloropropane	50	52.0	104	80-137
124-48-1	Dibromochloromethane	50	48.2	96	78-117
75-71-8	Dichlorodifluoromethane	50	33.8	68	35-162
156-59-2	cis-1,2-Dichloroethylene	50	47.0	94	74-123
10061-01-5	cis-1,3-Dichloropropene	50	51.2	102	79-130

Blank Spike Summary

Job Number: F61775
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2063-BS	G0054550.D	1	12/03/08	MM	n/a	n/a	VG2063

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61775-1, F61775-2, F61775-3, F61775-4, F61775-5, F61775-6, F61775-7, F61775-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	49.0	98	71-126
541-73-1	m-Dichlorobenzene	50	54.0	108	82-126
95-50-1	o-Dichlorobenzene	50	52.5	105	83-123
106-46-7	p-Dichlorobenzene	50	53.2	106	84-124
156-60-5	trans-1,2-Dichloroethylene	50	46.4	93	77-129
10061-02-6	trans-1,3-Dichloropropene	50	52.8	106	87-131
100-41-4	Ethylbenzene	50	50.9	102	82-124
97-63-2	Ethyl methacrylate	50	44.2	88	78-118
76-13-1	Freon 113	50	46.9	94	62-147
591-78-6	2-Hexanone	250	224	90	67-130
87-68-3	Hexachlorobutadiene	50	31.3	63*	77-150
110-54-3	Hexane	50	56.6	113	65-147
98-82-8	Isopropylbenzene	50	54.0	108	82-133
99-87-6	p-Isopropyltoluene	50	56.1	112	82-132
108-10-1	4-Methyl-2-pentanone	250	223	89	69-125
126-98-7	Methacrylonitrile	500	456	91	70-138
74-83-9	Methyl bromide	50	48.4	97	60-146
74-87-3	Methyl chloride	50	43.9	88	58-163
74-88-4	Methyl iodide	50	38.3	77	66-128
80-62-6	Methyl methacrylate	50	44.6	89	73-125
74-95-3	Methylene bromide	50	48.2	96	75-128
75-09-2	Methylene chloride	50	48.2	96	62-140
78-93-3	Methyl ethyl ketone	250	200	80	66-134
1634-04-4	Methyl Tert Butyl Ether	50	45.5	91	70-131
91-20-3	Naphthalene	50	52.6	105	59-143
76-01-7	Pentachloroethane	50	53.3	107	64-156
107-12-0	Propionitrile	500	440	88	73-133
103-65-1	n-Propylbenzene	50	51.6	103	78-129
100-42-5	Styrene	50	47.3	95	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	50.1	100	81-121
71-55-6	1,1,1-Trichloroethane	50	51.9	104	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	47.4	95	70-128
79-00-5	1,1,2-Trichloroethane	50	47.3	95	76-118
87-61-6	1,2,3-Trichlorobenzene	50	57.3	115	78-136
96-18-4	1,2,3-Trichloropropane	50	43.8	88	74-125
120-82-1	1,2,4-Trichlorobenzene	50	55.0	110	82-137

Blank Spike Summary

Job Number: F61775
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2063-BS	G0054550.D	1	12/03/08	MM	n/a	n/a	VG2063

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61775-1, F61775-2, F61775-3, F61775-4, F61775-5, F61775-6, F61775-7, F61775-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	53.5	107	77-129
108-67-8	1,3,5-Trimethylbenzene	50	53.6	107	79-129
127-18-4	Tetrachloroethylene	50	50.7	101	79-132
108-88-3	Toluene	50	48.6	97	80-123
79-01-6	Trichloroethylene	50	50.3	101	78-132
75-69-4	Trichlorofluoromethane	50	45.3	91	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	94.9	190*	74-138
75-01-4	Vinyl chloride	50	39.0	78	60-145
108-05-4	Vinyl Acetate	250	377	151	25-164
	m,p-Xylene	100	105	105	82-128
95-47-6	o-Xylene	50	51.2	102	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	80-121%
2037-26-5	Toluene-D8	94%	71-130%
460-00-4	4-Bromofluorobenzene	96%	59-148%
17060-07-0	1,2-Dichloroethane-D4	100%	77-123%

Blank Spike Summary

Job Number: F61775
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2064-BS	G0054580.D	1	12/04/08	MM	n/a	n/a	VG2064

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61775-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	183	73	61-144
75-05-8	Acetonitrile	500	1190	238*	59-139
107-02-8	Acrolein	250	31.2	12*	27-156
107-13-1	Acrylonitrile	250	258	103	55-144
107-05-1	Allyl chloride	50	55.7	111	41-152
71-43-2	Benzene	50	54.8	110	78-130
100-44-7	Benzyl Chloride	50	47.0	94	74-130
108-86-1	Bromobenzene	50	55.4	111	78-123
74-97-5	Bromochloromethane	50	47.9	96	72-122
75-27-4	Bromodichloromethane	50	54.2	108	73-122
75-25-2	Bromoform	50	52.7	105	70-139
104-51-8	n-Butylbenzene	50	57.9	116	80-138
135-98-8	sec-Butylbenzene	50	59.7	119	82-132
98-06-6	tert-Butylbenzene	50	57.1	114	79-130
108-90-7	Chlorobenzene	50	55.4	111	83-122
75-00-3	Chloroethane	50	39.6	79	61-153
67-66-3	Chloroform	50	56.9	114	79-129
544-10-5	1-Chlorohexane	50	51.6	103	85-137
95-49-8	o-Chlorotoluene	50	56.8	114	77-123
106-43-4	p-Chlorotoluene	50	57.5	115	78-129
110-75-8	2-Chloroethyl vinyl ether	250	317	127	52-142
75-15-0	Carbon disulfide	50	46.0	92	61-142
56-23-5	Carbon tetrachloride	50	53.3	107	79-135
75-34-3	1,1-Dichloroethane	50	54.8	110	77-132
75-35-4	1,1-Dichloroethylene	50	48.3	97	66-132
563-58-6	1,1-Dichloropropene	50	54.7	109	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	49.6	99	67-129
106-93-4	1,2-Dibromoethane	50	47.9	96	77-126
107-06-2	1,2-Dichloroethane	50	49.5	99	78-129
78-87-5	1,2-Dichloropropane	50	53.0	106	74-127
142-28-9	1,3-Dichloropropane	50	50.4	101	78-118
594-20-7	2,2-Dichloropropane	50	55.3	111	80-137
124-48-1	Dibromochloromethane	50	52.6	105	78-117
75-71-8	Dichlorodifluoromethane	50	30.2	60	35-162
156-59-2	cis-1,2-Dichloroethylene	50	52.8	106	74-123
10061-01-5	cis-1,3-Dichloropropene	50	56.6	113	79-130

Blank Spike Summary

Job Number: F61775
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2064-BS	G0054580.D	1	12/04/08	MM	n/a	n/a	VG2064

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61775-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	45.6	91	71-126
541-73-1	m-Dichlorobenzene	50	57.9	116	82-126
95-50-1	o-Dichlorobenzene	50	56.7	113	83-123
106-46-7	p-Dichlorobenzene	50	56.5	113	84-124
156-60-5	trans-1,2-Dichloroethylene	50	53.0	106	77-129
10061-02-6	trans-1,3-Dichloropropene	50	57.8	116	87-131
100-41-4	Ethylbenzene	50	55.0	110	82-124
97-63-2	Ethyl methacrylate	50	45.3	91	78-118
76-13-1	Freon 113	50	24.2	48*	62-147
591-78-6	2-Hexanone	250	230	92	67-130
87-68-3	Hexachlorobutadiene	50	58.3	117	77-150
110-54-3	Hexane	50	59.5	119	65-147
99-87-6	p-Isopropyltoluene	50	59.7	119	82-132
108-10-1	4-Methyl-2-pentanone	250	231	92	69-125
126-98-7	Methacrylonitrile	500	454	91	70-138
74-83-9	Methyl bromide	50	47.0	94	60-146
74-87-3	Methyl chloride	50	43.9	88	58-163
74-88-4	Methyl iodide	50	47.0	94	66-128
80-62-6	Methyl methacrylate	50	44.4	89	73-125
74-95-3	Methylene bromide	50	52.0	104	75-128
75-09-2	Methylene chloride	50	55.0	110	62-140
78-93-3	Methyl ethyl ketone	250	212	85	66-134
1634-04-4	Methyl Tert Butyl Ether	50	46.0	92	70-131
91-20-3	Naphthalene	50	35.3	71	59-143
76-01-7	Pentachloroethane	50	55.6	111	64-156
107-12-0	Propionitrile	500	446	89	73-133
103-65-1	n-Propylbenzene	50	56.9	114	78-129
100-42-5	Styrene	50	52.8	106	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	55.2	110	81-121
71-55-6	1,1,1-Trichloroethane	50	55.4	111	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	50.4	101	70-128
79-00-5	1,1,2-Trichloroethane	50	50.0	100	76-118
87-61-6	1,2,3-Trichlorobenzene	50	25.0	50*	78-136
96-18-4	1,2,3-Trichloropropane	50	47.0	94	74-125
120-82-1	1,2,4-Trichlorobenzene	50	45.8	92	82-137
95-63-6	1,2,4-Trimethylbenzene	50	57.1	114	77-129

Blank Spike Summary

Job Number: F61775
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2064-BS	G0054580.D	1	12/04/08	MM	n/a	n/a	VG2064

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61775-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
127-18-4	Tetrachloroethylene	50	54.1	108	79-132
108-88-3	Toluene	50	52.9	106	80-123
79-01-6	Trichloroethylene	50	54.3	109	78-132
75-69-4	Trichlorofluoromethane	50	40.9	82	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	96.7	193*	74-138
75-01-4	Vinyl chloride	50	36.4	73	60-145
108-05-4	Vinyl Acetate	250	382	153	25-164
	m,p-Xylene	100	116	116	82-128
95-47-6	o-Xylene	50	58.6	117	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	80-121%
2037-26-5	Toluene-D8	96%	71-130%
460-00-4	4-Bromofluorobenzene	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	101%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61775
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61775-2MS	G0054558.D	1	12/03/08	MM	n/a	n/a	VG2063
F61775-2MSD	G0054559.D	1	12/03/08	MM	n/a	n/a	VG2063
F61775-2 [a]	G0054557.D	1	12/03/08	MM	n/a	n/a	VG2063

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61775-1, F61775-2, F61775-3, F61775-4, F61775-5, F61775-6, F61775-7, F61775-8

CAS No.	Compound	F61775-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	31.0	J	305	167	45*	169	45*	1	61-144/29
75-05-8	Acetonitrile	ND		611	424	69	491	81	15	59-139/30
107-02-8	Acrolein	ND		305	27.2	9*	22.7	7*	18	27-156/39
107-13-1	Acrylonitrile	ND		305	302	99	330	108	9	55-144/24
107-05-1	Allyl chloride	ND		61.1	61.5	101	62.1	102	1	41-152/24
71-43-2	Benzene	ND		61.1	64.3	105	63.7	105	1	78-130/25
100-44-7	Benzyl Chloride	ND		61.1	43.4	71*	42.7	70*	2	74-130/28
108-86-1	Bromobenzene	ND		61.1	62.8	103	64.5	106	3	78-123/30
74-97-5	Bromochloromethane	ND		61.1	53.7	88	54.7	90	2	72-122/23
75-27-4	Bromodichloromethane	ND		61.1	60.4	99	61.7	101	2	73-122/25
75-25-2	Bromoform	ND		61.1	63.0	103	61.8	102	2	70-139/26
104-51-8	n-Butylbenzene	ND		61.1	63.9	105	65.3	107	2	80-138/31
135-98-8	sec-Butylbenzene	ND		61.1	66.7	109	69.5	114	4	82-132/29
98-06-6	tert-Butylbenzene	ND		61.1	65.4	107	66.6	109	2	79-130/29
108-90-7	Chlorobenzene	ND		61.1	62.6	102	60.8	100	3	83-122/23
75-00-3	Chloroethane	ND		61.1	56.0	92	55.0	90	2	61-153/31
67-66-3	Chloroform	ND		61.1	66.0	108	64.9	107	2	79-129/27
544-10-5	1-Chlorohexane	ND		61.1	57.1	93	56.2	92	2	85-137/29
95-49-8	o-Chlorotoluene	ND		61.1	63.2	103	65.3	107	3	77-123/31
106-43-4	p-Chlorotoluene	ND		61.1	62.8	103	64.4	106	3	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		305	403	132	413	136	2	52-142/25
75-15-0	Carbon disulfide	ND		61.1	50.4	82	51.6	85	2	61-142/27
56-23-5	Carbon tetrachloride	ND		61.1	64.7	106	64.8	107	0	79-135/29
75-34-3	1,1-Dichloroethane	ND		61.1	62.4	102	62.4	103	0	77-132/26
75-35-4	1,1-Dichloroethylene	ND		61.1	60.8	100	58.5	96	4	66-132/27
563-58-6	1,1-Dichloropropene	ND		61.1	64.7	106	62.9	103	3	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		61.1	70.8	116	64.4	106	9	67-129/29
106-93-4	1,2-Dibromoethane	ND		61.1	57.5	94	55.4	91	4	77-126/24
107-06-2	1,2-Dichloroethane	ND		61.1	58.4	96	60.1	99	3	78-129/24
78-87-5	1,2-Dichloropropane	ND		61.1	62.2	102	62.9	103	1	74-127/27
142-28-9	1,3-Dichloropropane	ND		61.1	56.9	93	57.2	94	1	78-118/26
594-20-7	2,2-Dichloropropane	ND		61.1	58.4	96	56.7	93	3	80-137/28
124-48-1	Dibromochloromethane	ND		61.1	62.0	101	58.1	96	6	78-117/27
75-71-8	Dichlorodifluoromethane	ND		61.1	35.6	58	41.6	68	16	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		61.1	57.6	94	58.0	95	1	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		61.1	61.9	101	63.0	104	2	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61775
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61775-2MS	G0054558.D	1	12/03/08	MM	n/a	n/a	VG2063
F61775-2MSD	G0054559.D	1	12/03/08	MM	n/a	n/a	VG2063
F61775-2 [a]	G0054557.D	1	12/03/08	MM	n/a	n/a	VG2063

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61775-1, F61775-2, F61775-3, F61775-4, F61775-5, F61775-6, F61775-7, F61775-8

CAS No.	Compound	F61775-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		61.1	57.3	94	63.1	104	10	71-126/28
541-73-1	m-Dichlorobenzene	ND		61.1	63.4	104	66.6	109	5	82-126/29
95-50-1	o-Dichlorobenzene	ND		61.1	64.5	106	65.7	108	2	83-123/28
106-46-7	p-Dichlorobenzene	ND		61.1	64.6	106	65.4	108	1	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		61.1	61.9	101	62.5	103	1	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		61.1	65.0	106	61.7	101	5	87-131/27
100-41-4	Ethylbenzene	ND		61.1	63.6	104	61.3	101	4	82-124/25
97-63-2	Ethyl methacrylate	ND		61.1	53.7	88	51.0	84	5	78-118/30
76-13-1	Freon 113	ND		61.1	36.7	60*	53.3	88	37*	62-147/29
591-78-6	2-Hexanone	ND		305	258	84	256	84	1	67-130/29
87-68-3	Hexachlorobutadiene	ND		61.1	69.6	114	68.5	113	2	77-150/36
110-54-3	Hexane	ND		61.1	59.0	97	60.2	99	2	65-147/27
98-82-8	Isopropylbenzene	ND		61.1	68.2	112	65.8	108	4	82-133/27
99-87-6	p-Isopropyltoluene	ND		61.1	65.0	106	67.5	111	4	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		305	295	97	286	94	3	69-125/24
126-98-7	Methacrylonitrile	ND		611	580	95	596	98	3	70-138/22
74-83-9	Methyl bromide	ND		61.1	65.1	107	62.0	102	5	60-146/31
74-87-3	Methyl chloride	ND		61.1	57.5	94	52.7	87	9	58-163/26
74-88-4	Methyl iodide	ND		61.1	47.2	77	47.3	78	0	66-128/27
80-62-6	Methyl methacrylate	ND		61.1	62.0	101	61.1	100	1	73-125/24
74-95-3	Methylene bromide	ND		61.1	61.6	101	60.9	100	1	75-128/26
75-09-2	Methylene chloride	4.8	JB	61.1	80.1	123	88.2	137	10	62-140/25
78-93-3	Methyl ethyl ketone	ND		305	209	68	214	70	2	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		61.1	54.7	90	57.7	95	5	70-131/25
91-20-3	Naphthalene	ND		61.1	61.2	100	67.2	110	9	59-143/31
76-01-7	Pentachloroethane	ND		61.1	58.6	96	61.7	101	5	64-156/37
107-12-0	Propionitrile	ND		611	553	91	563	93	2	73-133/23
103-65-1	n-Propylbenzene	ND		61.1	63.4	104	63.7	105	0	78-129/29
100-42-5	Styrene	ND		61.1	58.7	96	57.1	94	3	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		61.1	61.1	100	59.7	98	2	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		61.1	65.0	106	65.2	107	0	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		61.1	61.2	100	63.4	104	4	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		61.1	62.4	102	57.0	94	9	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		61.1	58.5	96	67.0	110	14	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		61.1	57.6	94	55.9	92	3	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		61.1	63.3	104	67.9	112	7	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61775
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61775-2MS	G0054558.D	1	12/03/08	MM	n/a	n/a	VG2063
F61775-2MSD	G0054559.D	1	12/03/08	MM	n/a	n/a	VG2063
F61775-2 [a]	G0054557.D	1	12/03/08	MM	n/a	n/a	VG2063

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61775-1, F61775-2, F61775-3, F61775-4, F61775-5, F61775-6, F61775-7, F61775-8

CAS No.	Compound	F61775-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		61.1	65.2	107	65.3	107	0	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		61.1	65.2	107	65.9	108	1	79-129/31
127-18-4	Tetrachloroethylene	ND		61.1	66.5	109	66.6	109	0	79-132/27
108-88-3	Toluene	ND		61.1	61.0	100	58.9	97	4	80-123/26
79-01-6	Trichloroethylene	ND		61.1	63.8	104	62.2	102	3	78-132/28
75-69-4	Trichlorofluoromethane	ND		61.1	55.6	91	54.4	89	2	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		61.1	119	195*	119	196*	0	74-138/30
75-01-4	Vinyl chloride	ND		61.1	52.6	86	49.8	82	5	60-145/29
108-05-4	Vinyl Acetate	ND		305	119	39	127	42	7	25-164/35
	m,p-Xylene	ND		122	129	106	129	106	0	82-128/25
95-47-6	o-Xylene	ND		61.1	64.6	106	64.0	105	1	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61775-2	Limits
1868-53-7	Dibromofluoromethane	99%	103%	107%	80-121%
2037-26-5	Toluene-D8	95%	93%	90%	71-130%
460-00-4	4-Bromofluorobenzene	94%	97%	101%	59-148%
17060-07-0	1,2-Dichloroethane-D4	102%	96%	110%	77-123%

(a) En Core samples were not preserved within 48 hours.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61775
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61771-4MS	G0054585.D	1	12/04/08	MM	n/a	n/a	VG2064
F61771-4MSD	G0054586.D	1	12/04/08	MM	n/a	n/a	VG2064
F61771-4	G0054584.D	1	12/04/08	MM	n/a	n/a	VG2064

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61775-5

CAS No.	Compound	F61771-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		297	206	69	185	62	11	61-144/29
75-05-8	Acetonitrile	ND		594	1420	239*	1380	232*	3	59-139/30
107-02-8	Acrolein	ND		297	18.4	6*	21.6	7*	16	27-156/39
107-13-1	Acrylonitrile	ND		297	359	121	357	120	1	55-144/24
107-05-1	Allyl chloride	ND		59.4	54.7	92	59.0	99	8	41-152/24
71-43-2	Benzene	54.5		59.4	56.4	3*	58.9	7*	4	78-130/25
100-44-7	Benzyl Chloride	ND		59.4	52.2	88	49.3	83	6	74-130/28
108-86-1	Bromobenzene	ND		59.4	58.0	98	62.3	105	7	78-123/30
74-97-5	Bromochloromethane	ND		59.4	53.6	90	52.6	89	2	72-122/23
75-27-4	Bromodichloromethane	ND		59.4	59.4	100	60.4	102	2	73-122/25
75-25-2	Bromoform	ND		59.4	63.2	106	65.4	110	3	70-139/26
104-51-8	n-Butylbenzene	ND		59.4	58.5	98	61.2	103	5	80-138/31
135-98-8	sec-Butylbenzene	ND		59.4	58.1	98	61.5	103	6	82-132/29
98-06-6	tert-Butylbenzene	ND		59.4	57.0	96	61.5	103	8	79-130/29
108-90-7	Chlorobenzene	ND		59.4	55.6	94	58.4	98	5	83-122/23
75-00-3	Chloroethane	ND		59.4	40.8	69	41.3	69	1	61-153/31
67-66-3	Chloroform	ND		59.4	58.1	98	59.8	101	3	79-129/27
544-10-5	1-Chlorohexane	ND		59.4	47.7	80*	51.6	87	8	85-137/29
95-49-8	o-Chlorotoluene	ND		59.4	57.4	97	61.1	103	6	77-123/31
106-43-4	p-Chlorotoluene	ND		59.4	59.4	100	61.2	103	3	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		297	419	141	407	137	3	52-142/25
75-15-0	Carbon disulfide	ND		59.4	47.0	79	49.9	84	6	61-142/27
56-23-5	Carbon tetrachloride	ND		59.4	52.0	87	65.0	109	22	79-135/29
75-34-3	1,1-Dichloroethane	ND		59.4	54.5	92	57.2	96	5	77-132/26
75-35-4	1,1-Dichloroethylene	ND		59.4	49.6	83	51.0	86	3	66-132/27
563-58-6	1,1-Dichloropropene	ND		59.4	53.8	91	55.2	93	3	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		59.4	68.4	115	68.8	116	1	67-129/29
106-93-4	1,2-Dibromoethane	ND		59.4	57.1	96	58.3	98	2	77-126/24
107-06-2	1,2-Dichloroethane	ND		59.4	57.2	96	57.2	96	0	78-129/24
78-87-5	1,2-Dichloropropane	ND		59.4	59.5	100	58.9	99	1	74-127/27
142-28-9	1,3-Dichloropropane	ND		59.4	57.9	97	58.4	98	1	78-118/26
594-20-7	2,2-Dichloropropane	ND		59.4	50.6	85	53.0	89	5	80-137/28
124-48-1	Dibromochloromethane	ND		59.4	58.6	99	60.0	101	2	78-117/27
75-71-8	Dichlorodifluoromethane	ND		59.4	27.7	47	30.1	51	8	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		59.4	53.6	90	52.2	88	3	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		59.4	62.4	105	62.1	104	0	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61775
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61771-4MS	G0054585.D	1	12/04/08	MM	n/a	n/a	VG2064
F61771-4MSD	G0054586.D	1	12/04/08	MM	n/a	n/a	VG2064
F61771-4	G0054584.D	1	12/04/08	MM	n/a	n/a	VG2064

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61775-5

CAS No.	Compound	F61771-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		59.4	61.9	104	62.7	106	1	71-126/28
541-73-1	m-Dichlorobenzene	ND		59.4	59.0	99	62.7	106	6	82-126/29
95-50-1	o-Dichlorobenzene	ND		59.4	61.8	104	64.0	108	3	83-123/28
106-46-7	p-Dichlorobenzene	ND		59.4	59.7	100	62.5	105	5	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		59.4	53.1	89	54.6	92	3	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		59.4	61.8	104	64.8	109	5	87-131/27
100-41-4	Ethylbenzene	ND		59.4	54.0	91	57.1	96	6	82-124/25
97-63-2	Ethyl methacrylate	ND		59.4	34.5	58*	36.5	61*	6	78-118/30
76-13-1	Freon 113	ND		59.4	40.8	69	35.3	59*	14	62-147/29
591-78-6	2-Hexanone	ND		297	270	91	272	92	1	67-130/29
87-68-3	Hexachlorobutadiene	ND		59.4	55.0	93	57.1	96	4	77-150/36
110-54-3	Hexane	ND		59.4	56.2	95	55.7	94	1	65-147/27
99-87-6	p-Isopropyltoluene	ND		59.4	59.1	99	62.3	105	5	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		297	304	102	304	102	0	69-125/24
126-98-7	Methacrylonitrile	ND		594	623	105	602	101	3	70-138/22
74-83-9	Methyl bromide	ND		59.4	47.2	79	48.7	82	3	60-146/31
74-87-3	Methyl chloride	ND		59.4	44.8	75	45.8	77	2	58-163/26
74-88-4	Methyl iodide	ND		59.4	47.0	79	48.8	82	4	66-128/27
80-62-6	Methyl methacrylate	ND		59.4	69.0	116	66.4	112	4	73-125/24
74-95-3	Methylene bromide	ND		59.4	63.7	107	60.8	102	5	75-128/26
75-09-2	Methylene chloride	ND		59.4	55.6	94	57.1	96	3	62-140/25
78-93-3	Methyl ethyl ketone	ND		297	253	85	237	80	7	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		59.4	59.1	99	57.3	96	3	70-131/25
91-20-3	Naphthalene	ND		59.4	44.2	74	38.8	65	13	59-143/31
76-01-7	Pentachloroethane	ND		59.4	57.0	96	58.7	99	3	64-156/37
107-12-0	Propionitrile	ND		594	619	104	594	100	4	73-133/23
103-65-1	n-Propylbenzene	ND		59.4	55.0	93	59.6	100	8	78-129/29
100-42-5	Styrene	ND		59.4	52.9	89	56.8	96	7	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		59.4	56.4	95	58.5	98	4	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		59.4	54.7	92	57.0	96	4	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		59.4	64.4	108	65.8	111	2	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		59.4	58.9	99	59.8	101	2	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		59.4	25.7	43*	21.2	36*	19	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		59.4	57.3	96	58.5	98	2	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		59.4	49.7	84	46.2	78*	7	82-137/32
95-63-6	1,2,4-Trimethylbenzene	ND		59.4	57.9	97	61.5	103	6	77-129/29

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61775
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61771-4MS	G0054585.D	1	12/04/08	MM	n/a	n/a	VG2064
F61771-4MSD	G0054586.D	1	12/04/08	MM	n/a	n/a	VG2064
F61771-4	G0054584.D	1	12/04/08	MM	n/a	n/a	VG2064

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61775-5

CAS No.	Compound	F61771-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
127-18-4	Tetrachloroethylene	ND		59.4	54.0	91	58.9	99	9	79-132/27
108-88-3	Toluene	ND		59.4	52.0	87	54.8	92	5	80-123/26
79-01-6	Trichloroethylene	ND		59.4	54.9	92	55.0	93	0	78-132/28
75-69-4	Trichlorofluoromethane	ND		59.4	39.8	67	40.9	69	3	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		59.4	127	214*	121	204*	5	74-138/30
75-01-4	Vinyl chloride	ND		59.4	36.5	61	38.6	65	6	60-145/29
108-05-4	Vinyl Acetate	ND		297	180	61	176	59	2	25-164/35
	m,p-Xylene	ND		119	113	95	118	99	4	82-128/25
95-47-6	o-Xylene	ND		59.4	57.5	97	60.7	102	5	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61771-4	Limits
1868-53-7	Dibromofluoromethane	103%	100%	102%	80-121%
2037-26-5	Toluene-D8	93%	95%	91%	71-130%
460-00-4	4-Bromofluorobenzene	98%	99%	93%	59-148%
17060-07-0	1,2-Dichloroethane-D4	110%	103%	115%	77-123%

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61775
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3629-MB	CD086241.D	1	12/05/08	JG	n/a	n/a	GCD3629

The QC reported here applies to the following samples: **Method:** SW846 8015

F61775-2, F61775-3, F61775-4, F61775-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	80%	56-136%
98-08-8	aaa-Trifluorotoluene	83%	61-121%

Method Blank Summary

Job Number: F61775
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1959-MB	QR045023.D	1	12/06/08	AH	n/a	n/a	GQR1959

The QC reported here applies to the following samples: **Method:** SW846 8015

F61775-5, F61775-6, F61775-1A

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	88%	56-136%
98-08-8	aaa-Trifluorotoluene	77%	61-121%

Blank Spike Summary

Job Number: F61775
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3629-BS	CD086245.D	1	12/05/08	JG	n/a	n/a	GCD3629

The QC reported here applies to the following samples: **Method:** SW846 8015

F61775-2, F61775-3, F61775-4, F61775-7

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	19.9	100	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	112%	56-136%
98-08-8	aaa-Trifluorotoluene	98%	61-121%

Blank Spike Summary

Job Number: F61775
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1959-BS	QR045022.D	1	12/06/08	AH	n/a	n/a	GQR1959

The QC reported here applies to the following samples: **Method:** SW846 8015

F61775-5, F61775-6, F61775-1A

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	17.3	87	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	109%	56-136%
98-08-8	aaa-Trifluorotoluene	95%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61775
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61775-2MS	CD086243.D	1	12/05/08	JG	n/a	n/a	GCD3629
F61775-2MSD	CD086244.D	1	12/05/08	JG	n/a	n/a	GCD3629
F61775-2 [a]	CD086242.D	1	12/05/08	JG	n/a	n/a	GCD3629

The QC reported here applies to the following samples: **Method:** SW846 8015

F61775-2, F61775-3, F61775-4, F61775-7

CAS No.	Compound	F61775-2 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		22.7	18.5	82	18.4	81	1	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61775-2	Limits
460-00-4	4-Bromofluorobenzene	110%	112%	87%	56-136%
98-08-8	aaa-Trifluorotoluene	93%	91%	84%	61-121%

(a) En Core samples were not preserved within 48 hours.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61775
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61775-1AMS	QR045043.D	1	12/06/08	AH	n/a	n/a	GQR1959
F61775-1AMSD	QR045044.D	1	12/06/08	AH	n/a	n/a	GQR1959
F61775-1A [a]	QR045024.D	1	12/06/08	AH	n/a	n/a	GQR1959

The QC reported here applies to the following samples: **Method:** SW846 8015

F61775-5, F61775-6, F61775-1A

CAS No.	Compound	F61775-1A mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	411		319	667	80	675	83	1	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61775-1A	Limits
460-00-4	4-Bromofluorobenzene	120%	123%	105%	56-136%
98-08-8	aaa-Trifluorotoluene	105% [b]			61-121%
98-08-8	aaa-Trifluorotoluene	122%* [c]	121%	104%	61-121%

(a) En Core samples were not preserved within 48 hours.
(b) Result reported from PID.
(c) Outside control limits due to matrix interference.

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61775
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27279-MB	LL24168.D	1	11/27/08	ME	11/26/08	OP27279	GLL904

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61775-2, F61775-3, F61775-4, F61775-5, F61775-6, F61775-7, F61775-1A

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	89%	49-108%

Method Blank Summary

Job Number: F61775
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27279-MB	LL24276.D	1	12/03/08	NY	11/26/08	OP27279	GLL907

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61775-2, F61775-3, F61775-4, F61775-5, F61775-6, F61775-7, F61775-1A

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	130%*	49-108%

Blank Spike Summary

Job Number: F61775
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27279-BS	LL24167.D	1	11/27/08	ME	11/26/08	OP27279	GLL904

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61775-2, F61775-3, F61775-4, F61775-5, F61775-6, F61775-7, F61775-1A

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	29.8	89	64-102
	TPH (> C22-C36)	33.3	33.5	101	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	90%	49-108%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61775
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27279-MS	LL24172.D	1	11/27/08	ME	11/26/08	OP27279	GLL904
OP27279-MSD	LL24173.D	1	11/27/08	ME	11/26/08	OP27279	GLL904
F61775-2	LL24171.D	1	11/27/08	ME	11/26/08	OP27279	GLL904

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61775-2, F61775-3, F61775-4, F61775-5, F61775-6, F61775-7, F61775-1A

CAS No.	Compound	F61775-2 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		37.7	32.3	86	28.8	75	11	64-102/32
	TPH (> C22-C36)	ND		37.7	36.0	96	34.8	91	3	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F61775-2	Limits
84-15-1	o-Terphenyl	86%	76%	80%	49-108%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/16/08

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F61776

Sampling Date: 11/21/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **97**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Sections: 1 2 3 4 5 6 7

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **7**
3.1: F61776-1: SS61-SB16-20 8
3.2: F61776-2: SS61-SB16-27 13
3.3: F61776-2A: SS61-SB16-27 16
3.4: F61776-3: SS61-SB16-27-a 18
3.5: F61776-4: SS61-SB16-35 23
3.6: F61776-5: SS61-SB17-25 28
3.7: F61776-6: SS61-SB17-29 33
3.8: F61776-6A: SS61-SB17-29 36
3.9: F61776-7: SS61-SB17-35 38
3.10: F61776-8: SS61-SB18-24 43
3.11: F61776-9: SS61-SB18-28 48
3.12: F61776-10: SS61-SB18-35 53
3.13: F61776-11: TRIP BLANK 58
Section 4: Misc. Forms **61**
4.1: Chain of Custody 62
Section 5: GC/MS Volatiles - QC Data Summaries **64**
5.1: Method Blank Summary 65
5.2: Blank Spike Summary 72
5.3: Matrix Spike/Matrix Spike Duplicate Summary 79
Section 6: GC Volatiles - QC Data Summaries **86**
6.1: Method Blank Summary 87
6.2: Blank Spike Summary 89
6.3: Matrix Spike/Matrix Spike Duplicate Summary 91
Section 7: GC Semi-volatiles - QC Data Summaries **93**
7.1: Method Blank Summary 94
7.2: Blank Spike Summary 96
7.3: Matrix Spike/Matrix Spike Duplicate Summary 97

Sample Summary

North Wind, Inc

Job No: F61776

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F61776-1	11/21/08	13:20	ZB	11/25/08	SO	Soil	SS61-SB16-20
F61776-2	11/21/08	13:35	ZB	11/25/08	SO	Soil	SS61-SB16-27
F61776-2A	11/21/08	13:35	ZB	11/25/08	SO	Soil	SS61-SB16-27
F61776-3	11/21/08	13:35	ZB	11/25/08	SO	Soil	SS61-SB16-27-a
F61776-4	11/21/08	13:45	ZB	11/25/08	SO	Soil	SS61-SB16-35
F61776-5	11/21/08	15:45	ZB	11/25/08	SO	Soil	SS61-SB17-25
F61776-6	11/21/08	15:55	ZB	11/25/08	SO	Soil	SS61-SB17-29
F61776-6A	11/21/08	15:55	ZB	11/25/08	SO	Soil	SS61-SB17-29
F61776-7	11/21/08	16:10	ZB	11/25/08	SO	Soil	SS61-SB17-35
F61776-8	11/21/08	08:40	ZB	11/25/08	SO	Soil	SS61-SB18-24
F61776-9	11/21/08	08:50	ZB	11/25/08	SO	Soil	SS61-SB18-28
F61776-10	11/21/08	09:00	ZB	11/25/08	SO	Soil	SS61-SB18-35
F61776-11	11/21/08	00:00	ZB	11/25/08	SO	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F61776

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/9/2008 3:04:38 PM

10 Samples, 1 Trip Blank were collected on 11/21/2008 and received at Accutest on 11/25/2008 properly preserved, at 0.6 Deg. C and intact. These Samples received an Accutest job number of F61776. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2062

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61737-1MS, F61737-1MSD were used as the QC samples indicated.

Blank Spike Recovery(s) for Freon 113, Trans-1,4-Dichloro-2-Butene are outside control limits. Freon 113 passed in MS/MSD, TDB biased high.

Matrix Spike Recovery(s) for Acetone, Acrolein, Benzyl Chloride, Ethyl methacrylate, Trans-1,4-Dichloro-2-Butene are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for Acetone, Acrolein, Ethyl methacrylate, Methylene chloride, Trans-1,4-Dichloro-2-Butene are outside control limits. Probable cause due to matrix interference. See Blank Spike for method performance in clean matrix.

F61776-4: En Core samples were not preserved within 48 hours.

F61776-2: En Core samples were not preserved within 48 hours.

F61776-3: En Core samples were not preserved within 48 hours.

F61776-1: En Core samples were not preserved within 48 hours.

Matrix: SO **Batch ID:** VG2063

All samples were analyzed within the recommended method holding time.

Sample(s) F61775-2MS, F61775-2MSD were used as the QC samples indicated.

Sample(s) F61776-10, F61776-5, F61776-9 have compound(s) reported with a “B” qualifier, indicating analyte is found in the associated method blank.

Blank Spike Recovery(s) for Hexachlorobutadiene, Trans-1,4-Dichloro-2-Butene are outside control limits. TDB biased hig in BS/MS/MSD. Hexachlorobutadiene passed in MS/MSD, SW-846 8000 requirements are met.

Matrix Spike Recovery(s) for Acetone, Acrolein, Benzyl Chloride, Freon 113 are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for Acetone, Acrolein, Benzyl Chloride are outside control limits. Probable cause due to matrix interference. See Blank Spike.

RPD(s) for MSD for Freon 113 are outside control limits for sample F61775-2MSD. Probable cause due to sample homogeneity.

F61776-11: Soil vials were not preserved within 48 hours of sampling; results are considered minimum values.

F61776-5: En Core samples were not preserved within 48 hours.

F61776-10: En Core samples were not preserved within 48 hours.

F61776-6: En Core samples were not preserved within 48 hours.

F61776-7: En Core samples were not preserved within 48 hours.

F61776-8: En Core samples were not preserved within 48 hours.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2063

F61776-9: En Core samples were not preserved within 48 hours.

F61776-9 for Methylene chloride: Suspected laboratory contaminant.
F61776-10 for Methylene chloride: Suspected laboratory contaminant.
F61776-5 for Methylene chloride: Suspected laboratory contaminant.

Matrix: SO **Batch ID:** VG2064

All samples were analyzed within the recommended method holding time.
All method blanks for this batch meet method specific criteria.
Sample(s) F61771-4MS, F61771-4MSD were used as the QC samples indicated.
Matrix Spike Recovery(s) for Isopropylbenzene are outside control limits. Probable cause due to matrix interference.
F61776-2: En Core samples were not preserved within 48 hours.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GCD3628

All samples were analyzed within the recommended method holding time.
Sample(s) F61736-1MS, F61736-1MSD were used as the QC samples indicated.
All method blanks for this batch meet method specific criteria.
Sample(s) F61776-6A have surrogates outside control limits. Probable cause due to matrix interference.

Matrix: SO **Batch ID:** GCD3629

Sample(s) F61775-2MS, F61775-2MSD were used as the QC samples indicated.
All method blanks for this batch meet method specific criteria.
Sample(s) F61776-6A have surrogates outside control limits. Probable cause due to matrix interference.
F61776-6A: En Core samples were not preserved within 48 hours.
F61776-8: En Core samples were not preserved within 48 hours.
F61776-5: En Core samples were not preserved within 48 hours.
F61776-9: En Core samples were not preserved within 48 hours.
F61776-7: En Core samples were not preserved within 48 hours.
F61776-4: En Core samples were not preserved within 48 hours.
F61776-10: En Core samples were not preserved within 48 hours.
F61776-3: En Core samples were not preserved within 48 hours.
F61776-2A: En Core samples were not preserved within 48 hours.
F61776-6A for aaa-Trifluorotoluene: Result reported from PID.
F61776-6A for aaa-Trifluorotoluene: Outside control limits due to matrix interference.

Extractables by GC By Method SW846 8015 M

Matrix: SO **Batch ID:** OP27279

All samples were extracted within the recommended method holding time.
All samples were analyzed within the recommended method holding time.
All method blanks for this batch meet method specific criteria.
Sample(s) F61775-2MS, F61775-2MSD were used as the QC samples indicated.
Sample(s) OP27279-MB have surrogates outside control limits. Probable cause due to matrix interference.
F61776-3 for TPH (C10-C22): Petroleum hydrocarbon pattern begins before C10.
F61776-2A for TPH (C10-C22): Petroleum hydrocarbon pattern begins before C10.
F61776-4 for TPH (C10-C22): Petroleum hydrocarbon pattern begins before C10.
F61776-6A for TPH (C10-C22): Petroleum hydrocarbon pattern begins before C10.

Wet Chemistry By Method SM19 2540B M

Matrix: SO **Batch ID:** GN32962

Sample(s) F61770-1DUP were used as the QC samples for Solids, Percent.

Matrix: SO **Batch ID:** GN32970

Sample(s) F61775-2DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision,

accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____

Svetlana Izosimova, QAO (signature on file)

Date: December 09, 2008

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-SB16-20		
Lab Sample ID:	F61776-1	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054539.D	1	12/02/08	MM	11/25/08 16:20	n/a	VG2062
Run #2							

	Initial Weight
Run #1	5.91 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	40.1	48	24	ug/kg	J
75-05-8	Acetonitrile	ND	48	15	ug/kg	
107-02-8	Acrolein	ND	24	9.4	ug/kg	
107-13-1	Acrylonitrile	ND	24	6.6	ug/kg	
107-05-1	Allyl chloride	ND	24	4.8	ug/kg	
71-43-2	Benzene	ND	4.8	0.96	ug/kg	
100-44-7	Benzyl Chloride	ND	4.8	1.1	ug/kg	
108-86-1	Bromobenzene	ND	4.8	0.96	ug/kg	
74-97-5	Bromochloromethane	ND	4.8	1.6	ug/kg	
75-27-4	Bromodichloromethane	ND	4.8	1.1	ug/kg	
75-25-2	Bromoform	ND	4.8	1.4	ug/kg	
104-51-8	n-Butylbenzene	ND	4.8	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	4.8	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	4.8	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	4.8	0.96	ug/kg	
75-00-3	Chloroethane	ND	4.8	1.9	ug/kg	
67-66-3	Chloroform	ND	4.8	1.6	ug/kg	
544-10-5	1-Chlorohexane	ND	4.8	1.2	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.8	0.96	ug/kg	
106-43-4	p-Chlorotoluene	ND	4.8	0.96	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	24	9.6	ug/kg	
75-15-0	Carbon disulfide	ND	4.8	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.8	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.8	1.9	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.8	1.2	ug/kg	
563-58-6	1,1-Dichloropropene	ND	4.8	1.3	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.8	2.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4.8	0.96	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.8	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.8	1.3	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4.8	0.96	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4.8	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB16-20		
Lab Sample ID:	F61776-1	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	4.8	0.96	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.8	1.9	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.8	1.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.8	1.2	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	24	4.8	ug/kg	
541-73-1	m-Dichlorobenzene	ND	4.8	0.96	ug/kg	
95-50-1	o-Dichlorobenzene	ND	4.8	0.96	ug/kg	
106-46-7	p-Dichlorobenzene	ND	4.8	0.96	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	4.8	1.1	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.8	0.96	ug/kg	
100-41-4	Ethylbenzene	ND	4.8	0.96	ug/kg	
97-63-2	Ethyl methacrylate	ND	24	4.8	ug/kg	
76-13-1	Freon 113	ND	4.8	2.5	ug/kg	
591-78-6	2-Hexanone	ND	24	4.8	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.8	1.1	ug/kg	
110-54-3	Hexane	ND	4.8	2.3	ug/kg	
98-82-8	Isopropylbenzene	ND	4.8	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	4.8	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	24	6.1	ug/kg	
126-98-7	Methacrylonitrile	ND	24	5.3	ug/kg	
74-83-9	Methyl bromide	ND	4.8	2.1	ug/kg	
74-87-3	Methyl chloride	ND	4.8	2.3	ug/kg	
74-88-4	Methyl iodide	ND	9.6	1.9	ug/kg	
80-62-6	Methyl methacrylate	ND	24	4.8	ug/kg	
74-95-3	Methylene bromide	ND	4.8	1.4	ug/kg	
75-09-2	Methylene chloride	ND	9.6	4.8	ug/kg	
78-93-3	Methyl ethyl ketone	ND	24	7.9	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.8	1.4	ug/kg	
91-20-3	Naphthalene	ND	4.8	1.9	ug/kg	
76-01-7	Pentachloroethane	ND	24	4.8	ug/kg	
107-12-0	Propionitrile	ND	48	11	ug/kg	
103-65-1	n-Propylbenzene	ND	4.8	1.1	ug/kg	
100-42-5	Styrene	ND	4.8	0.96	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.8	0.96	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.8	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.8	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.8	0.96	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.8	1.9	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.8	1.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	1.9	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB16-20		
Lab Sample ID:	F61776-1	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	4.8	0.96	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.8	0.96	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.8	1.1	ug/kg	
108-88-3	Toluene	ND	4.8	0.96	ug/kg	
79-01-6	Trichloroethylene	ND	4.8	1.1	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.8	1.9	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	24	4.8	ug/kg	
75-01-4	Vinyl chloride	ND	4.8	1.9	ug/kg	
108-05-4	Vinyl Acetate	ND	24	11	ug/kg	
	m,p-Xylene	ND	9.6	1.8	ug/kg	
95-47-6	o-Xylene	ND	4.8	0.96	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-121%
2037-26-5	Toluene-D8	93%		71-130%
460-00-4	4-Bromofluorobenzene	101%		59-148%
17060-07-0	1,2-Dichloroethane-D4	111%		77-123%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB16-20		
Lab Sample ID:	F61776-1	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	88.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086229.D	1	12/04/08	JG	11/25/08 16:20	n/a	GCD3628
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.80 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.5	2.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	83%		56-136%
98-08-8	aaa-Trifluorotoluene	82%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB16-20		
Lab Sample ID:	F61776-1	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	88.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24182.D	1	11/27/08	ME	11/26/08	OP27279	GLL904
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.4	5.6	mg/kg	
	TPH (> C22-C36)	ND	9.4	5.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	81%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB16-27		
Lab Sample ID:	F61776-2	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	70.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054540.D	1	12/02/08	MM	11/25/08 16:20	n/a	VG2062
Run #2 [a]	G0054582.D	1	12/04/08	MM	11/25/08 16:20	n/a	VG2064

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.60 g	5.0 ml	20.0 ul
Run #2	5.60 g	5.0 ml	5.0 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	21000	10000	ug/kg	
75-05-8	Acetonitrile	ND	21000	6700	ug/kg	
107-02-8	Acrolein	ND	10000	4100	ug/kg	
107-13-1	Acrylonitrile	ND	10000	2900	ug/kg	
107-05-1	Allyl chloride	ND	10000	2100	ug/kg	
71-43-2	Benzene	18800	2100	420	ug/kg	
100-44-7	Benzyl Chloride	ND	2100	460	ug/kg	
108-86-1	Bromobenzene	ND	2100	420	ug/kg	
74-97-5	Bromochloromethane	ND	2100	710	ug/kg	
75-27-4	Bromodichloromethane	ND	2100	500	ug/kg	
75-25-2	Bromoform	ND	2100	630	ug/kg	
104-51-8	n-Butylbenzene	ND	2100	580	ug/kg	
135-98-8	sec-Butylbenzene	2820	2100	460	ug/kg	
98-06-6	tert-Butylbenzene	1140	2100	460	ug/kg	J
108-90-7	Chlorobenzene	ND	2100	420	ug/kg	
75-00-3	Chloroethane	ND	2100	830	ug/kg	
67-66-3	Chloroform	ND	2100	710	ug/kg	
544-10-5	1-Chlorohexane	ND	2100	540	ug/kg	
95-49-8	o-Chlorotoluene	ND	2100	420	ug/kg	
106-43-4	p-Chlorotoluene	ND	2100	420	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	10000	4200	ug/kg	
75-15-0	Carbon disulfide	ND	2100	460	ug/kg	
56-23-5	Carbon tetrachloride	ND	2100	580	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2100	830	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	2100	540	ug/kg	
563-58-6	1,1-Dichloropropene	ND	2100	580	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2100	1000	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2100	420	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2100	460	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2100	580	ug/kg	
142-28-9	1,3-Dichloropropane	ND	2100	420	ug/kg	
594-20-7	2,2-Dichloropropane	ND	2100	880	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB16-27		
Lab Sample ID:	F61776-2	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	70.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	2100	420	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2100	830	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	2100	670	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2100	540	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10000	2100	ug/kg	
541-73-1	m-Dichlorobenzene	ND	2100	420	ug/kg	
95-50-1	o-Dichlorobenzene	ND	2100	420	ug/kg	
106-46-7	p-Dichlorobenzene	ND	2100	420	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	2100	500	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2100	420	ug/kg	
100-41-4	Ethylbenzene	21200	2100	420	ug/kg	
97-63-2	Ethyl methacrylate	ND	10000	2100	ug/kg	
76-13-1	Freon 113	ND	2100	1100	ug/kg	
591-78-6	2-Hexanone	ND	10000	2100	ug/kg	
87-68-3	Hexachlorobutadiene	ND	2100	500	ug/kg	
110-54-3	Hexane	10400	2100	1000	ug/kg	
98-82-8	Isopropylbenzene	150000 [b]	8300	1800	ug/kg	
99-87-6	p-Isopropyltoluene	ND	2100	460	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	10000	2700	ug/kg	
126-98-7	Methacrylonitrile	ND	10000	2300	ug/kg	
74-83-9	Methyl bromide	ND	2100	920	ug/kg	
74-87-3	Methyl chloride	ND	2100	1000	ug/kg	
74-88-4	Methyl iodide	ND	4200	830	ug/kg	
80-62-6	Methyl methacrylate	ND	10000	2100	ug/kg	
74-95-3	Methylene bromide	ND	2100	630	ug/kg	
75-09-2	Methylene chloride	ND	4200	2100	ug/kg	
78-93-3	Methyl ethyl ketone	ND	10000	3500	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2100	630	ug/kg	
91-20-3	Naphthalene	ND	2100	830	ug/kg	
76-01-7	Pentachloroethane	ND	10000	2100	ug/kg	
107-12-0	Propionitrile	ND	21000	5000	ug/kg	
103-65-1	n-Propylbenzene	6270	2100	500	ug/kg	
100-42-5	Styrene	ND	2100	420	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2100	420	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2100	460	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2100	750	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2100	420	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	2100	830	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	2100	790	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	2100	830	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB16-27		
Lab Sample ID:	F61776-2	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	70.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	22600	2100	420	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	3020	2100	420	ug/kg	
127-18-4	Tetrachloroethylene	ND	2100	500	ug/kg	
108-88-3	Toluene	4500	2100	420	ug/kg	
79-01-6	Trichloroethylene	ND	2100	500	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2100	830	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10000	2100	ug/kg	
75-01-4	Vinyl chloride	ND	2100	830	ug/kg	
108-05-4	Vinyl Acetate	ND	10000	5000	ug/kg	
	m,p-Xylene	25600	4200	790	ug/kg	
95-47-6	o-Xylene	18500	2100	420	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%	105%	80-121%
2037-26-5	Toluene-D8	92%	90%	71-130%
460-00-4	4-Bromofluorobenzene	100%	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	112%	114%	77-123%

(a) En Core samples were not preserved within 48 hours.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB16-27		
Lab Sample ID:	F61776-2A	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015	**Percent Solids:**	70.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD086254.D	1	12/05/08	JG	n/a	n/a	GCD3629
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.60 g	5.0 ml	1.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	4120	830	420	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		56-136%
98-08-8	aaa-Trifluorotoluene	114%		61-121%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB16-27		
Lab Sample ID:	F61776-2A	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	70.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24279.D	1	12/03/08	NY	11/26/08	OP27279	GLL907
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22) [a]	15.2	12	7.1	mg/kg	
	TPH (> C22-C36)	15.7	12	7.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	82%		49-108%

(a) Petroleum hydrocarbon pattern begins before C10.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB16-27-a		
Lab Sample ID:	F61776-3	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054541.D	1	12/02/08	MM	11/25/08 16:20	n/a	VG2062
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.01 g	5.0 ml	10.0 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	30000	15000	ug/kg	
75-05-8	Acetonitrile	ND	30000	9500	ug/kg	
107-02-8	Acrolein	ND	15000	5800	ug/kg	
107-13-1	Acrylonitrile	ND	15000	4100	ug/kg	
107-05-1	Allyl chloride	ND	15000	3000	ug/kg	
71-43-2	Benzene	6230	3000	590	ug/kg	
100-44-7	Benzyl Chloride	ND	3000	650	ug/kg	
108-86-1	Bromobenzene	ND	3000	590	ug/kg	
74-97-5	Bromochloromethane	ND	3000	1000	ug/kg	
75-27-4	Bromodichloromethane	ND	3000	710	ug/kg	
75-25-2	Bromoform	ND	3000	890	ug/kg	
104-51-8	n-Butylbenzene	ND	3000	830	ug/kg	
135-98-8	sec-Butylbenzene	1200	3000	650	ug/kg	J
98-06-6	tert-Butylbenzene	ND	3000	650	ug/kg	
108-90-7	Chlorobenzene	ND	3000	590	ug/kg	
75-00-3	Chloroethane	ND	3000	1200	ug/kg	
67-66-3	Chloroform	ND	3000	1000	ug/kg	
544-10-5	1-Chlorohexane	ND	3000	770	ug/kg	
95-49-8	o-Chlorotoluene	ND	3000	590	ug/kg	
106-43-4	p-Chlorotoluene	ND	3000	590	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	15000	5900	ug/kg	
75-15-0	Carbon disulfide	ND	3000	650	ug/kg	
56-23-5	Carbon tetrachloride	ND	3000	830	ug/kg	
75-34-3	1,1-Dichloroethane	ND	3000	1200	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	3000	770	ug/kg	
563-58-6	1,1-Dichloropropene	ND	3000	830	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	3000	1400	ug/kg	
106-93-4	1,2-Dibromoethane	ND	3000	590	ug/kg	
107-06-2	1,2-Dichloroethane	ND	3000	650	ug/kg	
78-87-5	1,2-Dichloropropane	ND	3000	830	ug/kg	
142-28-9	1,3-Dichloropropane	ND	3000	590	ug/kg	
594-20-7	2,2-Dichloropropane	ND	3000	1200	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB16-27-a		
Lab Sample ID:	F61776-3	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	3000	590	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	3000	1200	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	3000	950	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3000	770	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	15000	3000	ug/kg	
541-73-1	m-Dichlorobenzene	ND	3000	590	ug/kg	
95-50-1	o-Dichlorobenzene	ND	3000	590	ug/kg	
106-46-7	p-Dichlorobenzene	ND	3000	590	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	3000	710	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3000	590	ug/kg	
100-41-4	Ethylbenzene	ND	3000	590	ug/kg	
97-63-2	Ethyl methacrylate	ND	15000	3000	ug/kg	
76-13-1	Freon 113	ND	3000	1500	ug/kg	
591-78-6	2-Hexanone	ND	15000	3000	ug/kg	
87-68-3	Hexachlorobutadiene	ND	3000	710	ug/kg	
110-54-3	Hexane	ND	3000	1400	ug/kg	
98-82-8	Isopropylbenzene	62800	3000	650	ug/kg	
99-87-6	p-Isopropyltoluene	ND	3000	650	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	15000	3800	ug/kg	
126-98-7	Methacrylonitrile	ND	15000	3300	ug/kg	
74-83-9	Methyl bromide	ND	3000	1300	ug/kg	
74-87-3	Methyl chloride	ND	3000	1400	ug/kg	
74-88-4	Methyl iodide	ND	5900	1200	ug/kg	
80-62-6	Methyl methacrylate	ND	15000	3000	ug/kg	
74-95-3	Methylene bromide	ND	3000	890	ug/kg	
75-09-2	Methylene chloride	ND	5900	3000	ug/kg	
78-93-3	Methyl ethyl ketone	ND	15000	4900	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	3000	890	ug/kg	
91-20-3	Naphthalene	ND	3000	1200	ug/kg	
76-01-7	Pentachloroethane	ND	15000	3000	ug/kg	
107-12-0	Propionitrile	ND	30000	7100	ug/kg	
103-65-1	n-Propylbenzene	2750	3000	710	ug/kg	J
100-42-5	Styrene	ND	3000	590	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	3000	590	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	3000	650	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3000	1100	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	3000	590	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	3000	1200	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	3000	1100	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	3000	1200	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB16-27-a		
Lab Sample ID:	F61776-3	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	8050	3000	590	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	3000	590	ug/kg	
127-18-4	Tetrachloroethylene	ND	3000	710	ug/kg	
108-88-3	Toluene	1010	3000	590	ug/kg	J
79-01-6	Trichloroethylene	ND	3000	710	ug/kg	
75-69-4	Trichlorofluoromethane	ND	3000	1200	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	15000	3000	ug/kg	
75-01-4	Vinyl chloride	ND	3000	1200	ug/kg	
108-05-4	Vinyl Acetate	ND	15000	7100	ug/kg	
	m,p-Xylene	4890	5900	1100	ug/kg	J
95-47-6	o-Xylene	5020	3000	590	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-121%
2037-26-5	Toluene-D8	96%		71-130%
460-00-4	4-Bromofluorobenzene	103%		59-148%
17060-07-0	1,2-Dichloroethane-D4	110%		77-123%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB16-27-a		
Lab Sample ID:	F61776-3	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	83.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD086255.D	1	12/05/08	JG	11/25/08 16:20	n/a	GCD3629
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.01 g	5.0 ml	2.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1490	300	150	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%		56-136%
98-08-8	aaa-Trifluorotoluene	115%		61-121%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB16-27-a		
Lab Sample ID:	F61776-3	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	83.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24277.D	1	12/03/08	NY	11/26/08	OP27279	GLL907
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22) [a]	9.81	9.8	5.9	mg/kg	
	TPH (> C22-C36)	19.6	9.8	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	86%		49-108%

(a) Petroleum hydrocarbon pattern begins before C10.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB16-35		
Lab Sample ID:	F61776-4	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054542.D	1	12/02/08	MM	11/25/08 16:20	n/a	VG2062
Run #2							

	Initial Weight
Run #1	5.63 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	50.2	55	27	ug/kg	J
75-05-8	Acetonitrile	ND	55	18	ug/kg	
107-02-8	Acrolein	ND	27	11	ug/kg	
107-13-1	Acrylonitrile	ND	27	7.6	ug/kg	
107-05-1	Allyl chloride	ND	27	5.5	ug/kg	
71-43-2	Benzene	32.2	5.5	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.5	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.5	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.5	1.9	ug/kg	
75-27-4	Bromodichloromethane	ND	5.5	1.3	ug/kg	
75-25-2	Bromoform	ND	5.5	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	5.5	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.5	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.5	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.5	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.5	2.2	ug/kg	
67-66-3	Chloroform	ND	5.5	1.9	ug/kg	
544-10-5	1-Chlorohexane	ND	5.5	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.5	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.5	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	27	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.5	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.5	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.5	2.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.5	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.5	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.5	2.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.5	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	3.1	5.5	1.2	ug/kg	J
78-87-5	1,2-Dichloropropane	ND	5.5	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.5	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.5	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB16-35		
Lab Sample ID:	F61776-4	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.5	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.5	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.5	1.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.5	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	27	5.5	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.5	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.5	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.5	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.5	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.5	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.5	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	27	5.5	ug/kg	
76-13-1	Freon 113	ND	5.5	2.9	ug/kg	
591-78-6	2-Hexanone	ND	27	5.5	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.5	1.3	ug/kg	
110-54-3	Hexane	ND	5.5	2.6	ug/kg	
98-82-8	Isopropylbenzene	ND	5.5	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.5	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	27	7.0	ug/kg	
126-98-7	Methacrylonitrile	ND	27	6.0	ug/kg	
74-83-9	Methyl bromide	ND	5.5	2.4	ug/kg	
74-87-3	Methyl chloride	ND	5.5	2.6	ug/kg	
74-88-4	Methyl iodide	ND	11	2.2	ug/kg	
80-62-6	Methyl methacrylate	ND	27	5.5	ug/kg	
74-95-3	Methylene bromide	ND	5.5	1.6	ug/kg	
75-09-2	Methylene chloride	ND	11	5.5	ug/kg	
78-93-3	Methyl ethyl ketone	ND	27	9.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.5	1.6	ug/kg	
91-20-3	Naphthalene	ND	5.5	2.2	ug/kg	
76-01-7	Pentachloroethane	ND	27	5.5	ug/kg	
107-12-0	Propionitrile	ND	55	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.5	1.3	ug/kg	
100-42-5	Styrene	ND	5.5	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.5	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.5	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.5	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.5	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.5	2.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.5	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.5	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB16-35		
Lab Sample ID:	F61776-4	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.5	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.5	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.5	1.3	ug/kg	
108-88-3	Toluene	ND	5.5	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.5	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.5	2.2	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	27	5.5	ug/kg	
75-01-4	Vinyl chloride	ND	5.5	2.2	ug/kg	
108-05-4	Vinyl Acetate	ND	27	13	ug/kg	
	m,p-Xylene	ND	11	2.1	ug/kg	
95-47-6	o-Xylene	ND	5.5	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		80-121%
2037-26-5	Toluene-D8	92%		71-130%
460-00-4	4-Bromofluorobenzene	96%		59-148%
17060-07-0	1,2-Dichloroethane-D4	114%		77-123%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB16-35		
Lab Sample ID:	F61776-4	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	80.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD086256.D	1	12/05/08	JG	11/25/08 16:20	n/a	GCD3629
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.52 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.8	3.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	80%		56-136%
98-08-8	aaa-Trifluorotoluene	81%		61-121%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB16-35		
Lab Sample ID:	F61776-4	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	80.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24278.D	2	12/03/08	NY	11/26/08	OP27279	GLL907
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22) [a]	53.4	21	12	mg/kg	
	TPH (> C22-C36)	141	21	12	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	84%		49-108%

(a) Petroleum hydrocarbon pattern begins before C10.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB17-25		
Lab Sample ID:	F61776-5	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054555.D	1	12/03/08	MM	11/25/08 16:20	n/a	VG2063
Run #2							

	Initial Weight
Run #1	5.75 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.7	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	0.99	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	0.99	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	0.99	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	0.99	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	0.99	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	9.9	ug/kg	
75-15-0	Carbon disulfide	1.3	5.0	1.1	ug/kg	J
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	0.99	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	0.99	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB17-25		
Lab Sample ID:	F61776-5	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	0.99	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	0.99	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	0.99	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	0.99	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	0.99	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	0.99	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	9.9	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride [b]	6.9	9.9	5.0	ug/kg	JB
78-93-3	Methyl ethyl ketone	ND	25	8.2	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	0.99	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.99	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.99	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB17-25		
Lab Sample ID:	F61776-5	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.99	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.99	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	0.99	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	9.9	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	0.99	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-121%
2037-26-5	Toluene-D8	92%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	109%		77-123%

(a) En Core samples were not preserved within 48 hours.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB17-25		
Lab Sample ID:	F61776-5	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	87.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD086257.D	1	12/05/08	JG	11/25/08 16:20	n/a	GCD3629
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.63 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.8	2.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%		56-136%
98-08-8	aaa-Trifluorotoluene	82%		61-121%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB17-25		
Lab Sample ID:	F61776-5	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	87.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24185.D	1	11/27/08	ME	11/26/08	OP27279	GLL904
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.4	5.7	mg/kg	
	TPH (> C22-C36)	ND	9.4	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	68%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB17-29		
Lab Sample ID:	F61776-6	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	73.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054543.D	1	12/02/08	MM	11/25/08 16:20	n/a	VG2062
Run #2 [a]	G0054553.D	1	12/03/08	MM	11/25/08 16:20	n/a	VG2063

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.70 g	5.0 ml	10.0 ul
Run #2	5.70 g	5.0 ml	5.0 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	39000	20000	ug/kg	
75-05-8	Acetonitrile	ND	39000	12000	ug/kg	
107-02-8	Acrolein	ND	20000	7600	ug/kg	
107-13-1	Acrylonitrile	ND	20000	5400	ug/kg	
107-05-1	Allyl chloride	ND	20000	3900	ug/kg	
71-43-2	Benzene	8630	3900	780	ug/kg	
100-44-7	Benzyl Chloride	ND	3900	860	ug/kg	
108-86-1	Bromobenzene	ND	3900	780	ug/kg	
74-97-5	Bromochloromethane	ND	3900	1300	ug/kg	
75-27-4	Bromodichloromethane	ND	3900	940	ug/kg	
75-25-2	Bromoform	ND	3900	1200	ug/kg	
104-51-8	n-Butylbenzene	ND	3900	1100	ug/kg	
135-98-8	sec-Butylbenzene	2930	3900	860	ug/kg	J
98-06-6	tert-Butylbenzene	1310	3900	860	ug/kg	J
108-90-7	Chlorobenzene	ND	3900	780	ug/kg	
75-00-3	Chloroethane	ND	3900	1600	ug/kg	
67-66-3	Chloroform	ND	3900	1300	ug/kg	
544-10-5	1-Chlorohexane	ND	3900	1000	ug/kg	
95-49-8	o-Chlorotoluene	ND	3900	780	ug/kg	
106-43-4	p-Chlorotoluene	ND	3900	780	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	20000	7800	ug/kg	
75-15-0	Carbon disulfide	ND	3900	860	ug/kg	
56-23-5	Carbon tetrachloride	ND	3900	1100	ug/kg	
75-34-3	1,1-Dichloroethane	ND	3900	1600	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	3900	1000	ug/kg	
563-58-6	1,1-Dichloropropene	ND	3900	1100	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	3900	1900	ug/kg	
106-93-4	1,2-Dibromoethane	ND	3900	780	ug/kg	
107-06-2	1,2-Dichloroethane	ND	3900	860	ug/kg	
78-87-5	1,2-Dichloropropane	ND	3900	1100	ug/kg	
142-28-9	1,3-Dichloropropane	ND	3900	780	ug/kg	
594-20-7	2,2-Dichloropropane	ND	3900	1600	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB17-29		
Lab Sample ID:	F61776-6	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	73.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	3900	780	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	3900	1600	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	3900	1200	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3900	1000	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	20000	3900	ug/kg	
541-73-1	m-Dichlorobenzene	ND	3900	780	ug/kg	
95-50-1	o-Dichlorobenzene	ND	3900	780	ug/kg	
106-46-7	p-Dichlorobenzene	ND	3900	780	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	3900	940	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3900	780	ug/kg	
100-41-4	Ethylbenzene	49800	3900	780	ug/kg	
97-63-2	Ethyl methacrylate	ND	20000	3900	ug/kg	
76-13-1	Freon 113	ND	3900	2000	ug/kg	
591-78-6	2-Hexanone	ND	20000	3900	ug/kg	
87-68-3	Hexachlorobutadiene	ND	3900	940	ug/kg	
110-54-3	Hexane	ND	3900	1900	ug/kg	
98-82-8	Isopropylbenzene	173000 [b]	7800	1700	ug/kg	
99-87-6	p-Isopropyltoluene	ND	3900	860	ug/kg	
108-10-1	4-Methyl-2-pentanone	19700	20000	5000	ug/kg	J
126-98-7	Methacrylonitrile	ND	20000	4300	ug/kg	
74-83-9	Methyl bromide	ND	3900	1700	ug/kg	
74-87-3	Methyl chloride	ND	3900	1900	ug/kg	
74-88-4	Methyl iodide	ND	7800	1600	ug/kg	
80-62-6	Methyl methacrylate	ND	20000	3900	ug/kg	
74-95-3	Methylene bromide	ND	3900	1200	ug/kg	
75-09-2	Methylene chloride	ND	7800	3900	ug/kg	
78-93-3	Methyl ethyl ketone	ND	20000	6500	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	3900	1200	ug/kg	
91-20-3	Naphthalene	ND	3900	1600	ug/kg	
76-01-7	Pentachloroethane	ND	20000	3900	ug/kg	
107-12-0	Propionitrile	ND	39000	9400	ug/kg	
103-65-1	n-Propylbenzene	10900	3900	940	ug/kg	
100-42-5	Styrene	ND	3900	780	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	3900	780	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	3900	860	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3900	1400	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	3900	780	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	3900	1600	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	3900	1500	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	3900	1600	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB17-29		
Lab Sample ID:	F61776-6	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	73.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	4610	3900	780	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	3900	780	ug/kg	
127-18-4	Tetrachloroethylene	ND	3900	940	ug/kg	
108-88-3	Toluene	ND	3900	780	ug/kg	
79-01-6	Trichloroethylene	ND	3900	940	ug/kg	
75-69-4	Trichlorofluoromethane	ND	3900	1600	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	20000	3900	ug/kg	
75-01-4	Vinyl chloride	ND	3900	1600	ug/kg	
108-05-4	Vinyl Acetate	ND	20000	9400	ug/kg	
	m,p-Xylene	8700	7800	1500	ug/kg	
95-47-6	o-Xylene	3220	3900	780	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%	99%	80-121%
2037-26-5	Toluene-D8	95%	90%	71-130%
460-00-4	4-Bromofluorobenzene	96%	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	111%	108%	77-123%

(a) En Core samples were not preserved within 48 hours.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB17-29		
Lab Sample ID:	F61776-6A	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015	**Percent Solids:**	73.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD086258.D	1	12/05/08	JG	n/a	n/a	GCD3629
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.70 g	5.0 ml	1.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	6300	780	390	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%		56-136%
98-08-8	aaa-Trifluorotoluene	93% [b]		61-121%
98-08-8	aaa-Trifluorotoluene	134% [c]		61-121%

(a) En Core samples were not preserved within 48 hours.
(b) Result reported from PID.
(c) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB17-29		
Lab Sample ID:	F61776-6A	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	73.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24193.D	1	11/27/08	ME	11/26/08	OP27279	GLL904
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22) [a]	8.92	11	6.8	mg/kg	J
	TPH (> C22-C36)	ND	11	6.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	73%		49-108%

(a) Petroleum hydrocarbon pattern begins before C10.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB17-35		
Lab Sample ID:	F61776-7	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054556.D	1	12/03/08	MM	11/25/08 16:20	n/a	VG2063
Run #2							

	Initial Weight
Run #1	5.75 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB17-35		
Lab Sample ID:	F61776-7	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	1.1	5.0	1.0	ug/kg	J
95-50-1	o-Dichlorobenzene	4.4	5.0	1.0	ug/kg	J
106-46-7	p-Dichlorobenzene	1.8	5.0	1.0	ug/kg	J
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB17-35		
Lab Sample ID:	F61776-7	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-121%
2037-26-5	Toluene-D8	91%		71-130%
460-00-4	4-Bromofluorobenzene	94%		59-148%
17060-07-0	1,2-Dichloroethane-D4	109%		77-123%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB17-35		
Lab Sample ID:	F61776-7	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	87.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD086259.D	1	12/05/08	JG	11/25/08 16:20	n/a	GCD3629
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.57 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.9	2.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	79%		56-136%
98-08-8	aaa-Trifluorotoluene	85%		61-121%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB17-35		
Lab Sample ID:	F61776-7	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	87.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24186.D	1	11/27/08	ME	11/26/08	OP27279	GLL904
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.5	5.7	mg/kg	
	TPH (> C22-C36)	ND	9.5	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	79%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB18-24		
Lab Sample ID:	F61776-8	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054563.D	1	12/03/08	MM	11/25/08 16:20	n/a	VG2063
Run #2							

	Initial Weight
Run #1	5.95 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	49	24	ug/kg	
75-05-8	Acetonitrile	ND	49	16	ug/kg	
107-02-8	Acrolein	ND	24	9.5	ug/kg	
107-13-1	Acrylonitrile	ND	24	6.7	ug/kg	
107-05-1	Allyl chloride	ND	24	4.9	ug/kg	
71-43-2	Benzene	ND	4.9	0.97	ug/kg	
100-44-7	Benzyl Chloride	ND	4.9	1.1	ug/kg	
108-86-1	Bromobenzene	ND	4.9	0.97	ug/kg	
74-97-5	Bromochloromethane	ND	4.9	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	4.9	1.2	ug/kg	
75-25-2	Bromoform	ND	4.9	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	4.9	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	4.9	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	4.9	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	4.9	0.97	ug/kg	
75-00-3	Chloroethane	ND	4.9	1.9	ug/kg	
67-66-3	Chloroform	ND	4.9	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	4.9	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.9	0.97	ug/kg	
106-43-4	p-Chlorotoluene	ND	4.9	0.97	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	24	9.7	ug/kg	
75-15-0	Carbon disulfide	ND	4.9	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.9	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.9	1.9	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.9	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	4.9	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.9	2.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4.9	0.97	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.9	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.9	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4.9	0.97	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4.9	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB18-24		
Lab Sample ID:	F61776-8	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	4.9	0.97	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.9	1.9	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.9	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.9	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	24	4.9	ug/kg	
541-73-1	m-Dichlorobenzene	ND	4.9	0.97	ug/kg	
95-50-1	o-Dichlorobenzene	ND	4.9	0.97	ug/kg	
106-46-7	p-Dichlorobenzene	ND	4.9	0.97	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	4.9	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.9	0.97	ug/kg	
100-41-4	Ethylbenzene	ND	4.9	0.97	ug/kg	
97-63-2	Ethyl methacrylate	ND	24	4.9	ug/kg	
76-13-1	Freon 113	ND	4.9	2.5	ug/kg	
591-78-6	2-Hexanone	ND	24	4.9	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.9	1.2	ug/kg	
110-54-3	Hexane	ND	4.9	2.3	ug/kg	
98-82-8	Isopropylbenzene	1.9	4.9	1.1	ug/kg	J
99-87-6	p-Isopropyltoluene	ND	4.9	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	24	6.2	ug/kg	
126-98-7	Methacrylonitrile	ND	24	5.4	ug/kg	
74-83-9	Methyl bromide	ND	4.9	2.1	ug/kg	
74-87-3	Methyl chloride	ND	4.9	2.3	ug/kg	
74-88-4	Methyl iodide	ND	9.7	1.9	ug/kg	
80-62-6	Methyl methacrylate	ND	24	4.9	ug/kg	
74-95-3	Methylene bromide	ND	4.9	1.5	ug/kg	
75-09-2	Methylene chloride	ND	9.7	4.9	ug/kg	
78-93-3	Methyl ethyl ketone	ND	24	8.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.9	1.5	ug/kg	
91-20-3	Naphthalene	ND	4.9	1.9	ug/kg	
76-01-7	Pentachloroethane	ND	24	4.9	ug/kg	
107-12-0	Propionitrile	ND	49	12	ug/kg	
103-65-1	n-Propylbenzene	ND	4.9	1.2	ug/kg	
100-42-5	Styrene	ND	4.9	0.97	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.9	0.97	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.9	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.9	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.9	0.97	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.9	1.9	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.9	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	1.9	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB18-24		
Lab Sample ID:	F61776-8	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	4.9	0.97	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.9	0.97	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.9	1.2	ug/kg	
108-88-3	Toluene	ND	4.9	0.97	ug/kg	
79-01-6	Trichloroethylene	ND	4.9	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.9	1.9	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	24	4.9	ug/kg	
75-01-4	Vinyl chloride	ND	4.9	1.9	ug/kg	
108-05-4	Vinyl Acetate	ND	24	12	ug/kg	
	m,p-Xylene	ND	9.7	1.9	ug/kg	
95-47-6	o-Xylene	ND	4.9	0.97	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-121%
2037-26-5	Toluene-D8	89%		71-130%
460-00-4	4-Bromofluorobenzene	95%		59-148%
17060-07-0	1,2-Dichloroethane-D4	110%		77-123%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB18-24		
Lab Sample ID:	F61776-8	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	86.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD086265.D	1	12/05/08	JG	11/25/08 16:20	n/a	GCD3629
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.85 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.7	2.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	92%		56-136%
98-08-8	aaa-Trifluorotoluene	84%		61-121%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB18-24		
Lab Sample ID:	F61776-8	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	86.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24187.D	1	11/27/08	ME	11/26/08	OP27279	GLL904
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.5	5.7	mg/kg	
	TPH (> C22-C36)	ND	9.5	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB18-28		
Lab Sample ID:	F61776-9	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054554.D	1	12/03/08	MM	11/25/08 16:20	n/a	VG2063
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.43 g	5.0 ml	5.0 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	65000	33000	ug/kg	
75-05-8	Acetonitrile	ND	65000	21000	ug/kg	
107-02-8	Acrolein	ND	33000	13000	ug/kg	
107-13-1	Acrylonitrile	ND	33000	9000	ug/kg	
107-05-1	Allyl chloride	ND	33000	6500	ug/kg	
71-43-2	Benzene	ND	6500	1300	ug/kg	
100-44-7	Benzyl Chloride	ND	6500	1400	ug/kg	
108-86-1	Bromobenzene	ND	6500	1300	ug/kg	
74-97-5	Bromochloromethane	ND	6500	2200	ug/kg	
75-27-4	Bromodichloromethane	ND	6500	1600	ug/kg	
75-25-2	Bromoform	ND	6500	2000	ug/kg	
104-51-8	n-Butylbenzene	ND	6500	1800	ug/kg	
135-98-8	sec-Butylbenzene	4270	6500	1400	ug/kg	J
98-06-6	tert-Butylbenzene	1790	6500	1400	ug/kg	J
108-90-7	Chlorobenzene	ND	6500	1300	ug/kg	
75-00-3	Chloroethane	ND	6500	2600	ug/kg	
67-66-3	Chloroform	ND	6500	2200	ug/kg	
544-10-5	1-Chlorohexane	ND	6500	1700	ug/kg	
95-49-8	o-Chlorotoluene	ND	6500	1300	ug/kg	
106-43-4	p-Chlorotoluene	ND	6500	1300	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	33000	13000	ug/kg	
75-15-0	Carbon disulfide	ND	6500	1400	ug/kg	
56-23-5	Carbon tetrachloride	ND	6500	1800	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6500	2600	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6500	1700	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6500	1800	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6500	3100	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6500	1300	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6500	1400	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6500	1800	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6500	1300	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6500	2700	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB18-28		
Lab Sample ID:	F61776-9	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	6500	1300	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6500	2600	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6500	2100	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6500	1700	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	33000	6500	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6500	1300	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6500	1300	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6500	1300	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6500	1600	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6500	1300	ug/kg	
100-41-4	Ethylbenzene	34400	6500	1300	ug/kg	
97-63-2	Ethyl methacrylate	ND	33000	6500	ug/kg	
76-13-1	Freon 113	ND	6500	3400	ug/kg	
591-78-6	2-Hexanone	ND	33000	6500	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6500	1600	ug/kg	
110-54-3	Hexane	ND	6500	3100	ug/kg	
98-82-8	Isopropylbenzene	233000	6500	1400	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6500	1400	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	33000	8400	ug/kg	
126-98-7	Methacrylonitrile	ND	33000	7200	ug/kg	
74-83-9	Methyl bromide	ND	6500	2900	ug/kg	
74-87-3	Methyl chloride	ND	6500	3100	ug/kg	
74-88-4	Methyl iodide	ND	13000	2600	ug/kg	
80-62-6	Methyl methacrylate	ND	33000	6500	ug/kg	
74-95-3	Methylene bromide	ND	6500	2000	ug/kg	
75-09-2	Methylene chloride [b]	8860	13000	6500	ug/kg	JB
78-93-3	Methyl ethyl ketone	ND	33000	11000	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6500	2000	ug/kg	
91-20-3	Naphthalene	ND	6500	2600	ug/kg	
76-01-7	Pentachloroethane	ND	33000	6500	ug/kg	
107-12-0	Propionitrile	ND	65000	16000	ug/kg	
103-65-1	n-Propylbenzene	15100	6500	1600	ug/kg	
100-42-5	Styrene	ND	6500	1300	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6500	1300	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6500	1400	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6500	2400	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6500	1300	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6500	2600	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6500	2500	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6500	2600	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB18-28		
Lab Sample ID:	F61776-9	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	6440	6500	1300	ug/kg	J
108-67-8	1,3,5-Trimethylbenzene	1710	6500	1300	ug/kg	J
127-18-4	Tetrachloroethylene	ND	6500	1600	ug/kg	
108-88-3	Toluene	ND	6500	1300	ug/kg	
79-01-6	Trichloroethylene	ND	6500	1600	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6500	2600	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	33000	6500	ug/kg	
75-01-4	Vinyl chloride	ND	6500	2600	ug/kg	
108-05-4	Vinyl Acetate	ND	33000	16000	ug/kg	
	m,p-Xylene	6910	13000	2500	ug/kg	J
95-47-6	o-Xylene	6330	6500	1300	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-121%
2037-26-5	Toluene-D8	92%		71-130%
460-00-4	4-Bromofluorobenzene	95%		59-148%
17060-07-0	1,2-Dichloroethane-D4	111%		77-123%

(a) En Core samples were not preserved within 48 hours.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB18-28		
Lab Sample ID:	F61776-9	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	83.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD086260.D	10	12/05/08	JG	11/25/08 16:20	n/a	GCD3629
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.43 g	5.0 ml	5.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	6340	1300	650	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	99%		56-136%
98-08-8	aaa-Trifluorotoluene	117%		61-121%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB18-28		
Lab Sample ID:	F61776-9	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	83.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24188.D	1	11/27/08	ME	11/26/08	OP27279	GLL904
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.9	5.9	mg/kg	
	TPH (> C22-C36)	ND	9.9	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	61%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB18-35		
Lab Sample ID:	F61776-10	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054560.D	1	12/03/08	MM	11/25/08 16:20	n/a	VG2063
Run #2							

	Initial Weight
Run #1	5.66 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB18-35		
Lab Sample ID:	F61776-10	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride [b]	7.4	10	5.0	ug/kg	JB
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB18-35		
Lab Sample ID:	F61776-10	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		80-121%
2037-26-5	Toluene-D8	92%		71-130%
460-00-4	4-Bromofluorobenzene	95%		59-148%
17060-07-0	1,2-Dichloroethane-D4	110%		77-123%

(a) En Core samples were not preserved within 48 hours.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB18-35		
Lab Sample ID:	F61776-10	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	88.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD086266.D	1	12/05/08	JG	11/25/08 16:20	n/a	GCD3629
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.59 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.7	2.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	82%		56-136%
98-08-8	aaa-Trifluorotoluene	84%		61-121%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB18-35		
Lab Sample ID:	F61776-10	**Date Sampled:**	11/21/08
Matrix:	SO - Soil	**Date Received:**	11/25/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	88.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24191.D	1	11/27/08	ME	11/26/08	OP27279	GLL904
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.3	5.6	mg/kg	
	TPH (> C22-C36)	ND	9.3	5.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	77%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61776-11	**Date Sampled:**	11/21/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/25/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054561.D	1	12/03/08	MM	n/a	n/a	VG2063
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61776-11	**Date Sampled:**	11/21/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/25/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61776-11	**Date Sampled:**	11/21/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/25/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-121%
2037-26-5	Toluene-D8	89%		71-130%
460-00-4	4-Bromofluorobenzene	96%		59-148%
17060-07-0	1,2-Dichloroethane-D4	108%		77-123%

(a) Soil vials were not preserved within 48 hours of sampling; results are considered minimum values.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

F61776

Page 1 of 1

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number (1): 11-24-2008-1

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Zack Beck / Greg Kinsman

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code (2)	Sample Number (3)	Sample Matrix (4)	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)					Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
1	SS61-SB16-20	SS61-SB16	21-11-2008	1320	18-20	N	01	SO	5	X	X	X									1
2	SS61-SB16-27	SS61-SB16	21-11-2008	1335	25-27	N	01	SO	5	X	X	X									1
3	SS61-SB16-27a	SS61-SB16	21-11-2008	1335	25-27	FD	01	SO	5	X	X	X									1
4	SS61-SB16-35	SS61-SB16	21-11-2008	1345	33-35	N	01	SO	5	X	X	X									1
5	SS61-SB17-25	SS61-SB17	21-11-2008	1545	23-25	N	01	SO	5	X	X	X									1
6	SS61-SB17-29	SS61-SB17	21-11-2008	1555	27-29	N	01	SO	5	X	X	X									1
7	SS61-SB17-35	SS61-SB17	21-11-2008	1610	33-35	N	01	SO	5	X	X	X									1
8	SS61-SB18-24	SS61-SB18	22-11-2008	0840	22-24	N	01	SO	5	X	X	X									1
9	SS61-SB18-28	SS61-SB18	22-11-2008	0850	26-28	N	01	SO	5	X	X	X									1
10	SS61-SB18-35	SS61-SB18	22-11-2008	0900	33-35	N	01	SO	5	X	X	X									1
11	Trip Blank				-	TB		WQ	3	X											1

Sample Analysis Requested (5) | Quality Assurance Samples (6)

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

** RUSH VOC Analysis for samples: SS61-SB16-27, SS61-SB17-29

Note VOC encores shipped with dry ice

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1.	[signature]	11/24/08	1400	[signature]		
2.	[signature]	11/25/08	9:00	[signature]	11/25/08	9:00
3.						

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: _____ Shipped No.: _____

Method of Shipment: _____ Airbill Number: _____

Analytical Lab: Accutest Laboratories Delivery Location: _____

Lab Recipient: _____ Delivery Date/Time: _____

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

0.6

4.1 4

F61776: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61776 CLIENT: BHATE PROJECT: SS-61

DATE/TIME RECEIVED: 11/25/08 9:30 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 6

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8608 3474 5077

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [X] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 40

NUMBER OF 5035 FIELD KITS ? 1TB

NUMBER OF LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE: 11/25/08 TECHNICIAN SIGNATURE/DATE: E.T. 11.25.08 ASBD 12/17/07

4.1 4

F61776: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61776
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2062-MB	G0054527.D	1	12/02/08	MM	n/a	n/a	VG2062

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61776-1, F61776-2, F61776-3, F61776-4, F61776-6

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61776
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2062-MB	G0054527.D	1	12/02/08	MM	n/a	n/a	VG2062

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61776-1, F61776-2, F61776-3, F61776-4, F61776-6

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	5.6	10	5.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	2.1	5.0	2.0	ug/kg	J
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F61776
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2062-MB	G0054527.D	1	12/02/08	MM	n/a	n/a	VG2062

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61776-1, F61776-2, F61776-3, F61776-4, F61776-6

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	80-121%
2037-26-5	Toluene-D8	92%	71-130%
460-00-4	4-Bromofluorobenzene	96%	59-148%
17060-07-0	1,2-Dichloroethane-D4	113%	77-123%

Method Blank Summary

Job Number: F61776
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2063-MB	G0054551.D	1	12/03/08	MM	n/a	n/a	VG2063

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61776-5, F61776-6, F61776-7, F61776-8, F61776-9, F61776-10, F61776-11

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61776
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2063-MB	G0054551.D	1	12/03/08	MM	n/a	n/a	VG2063

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61776-5, F61776-6, F61776-7, F61776-8, F61776-9, F61776-10, F61776-11

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	8.9	10	5.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F61776
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2063-MB	G0054551.D	1	12/03/08	MM	n/a	n/a	VG2063

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61776-5, F61776-6, F61776-7, F61776-8, F61776-9, F61776-10, F61776-11

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	80-121%
2037-26-5	Toluene-D8	92%	71-130%
460-00-4	4-Bromofluorobenzene	96%	59-148%
17060-07-0	1,2-Dichloroethane-D4	111%	77-123%

Method Blank Summary

Job Number: F61776
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2064-MB	G0054581.D	1	12/04/08	MM	n/a	n/a	VG2064

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61776-2

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	80-121%
2037-26-5	Toluene-D8	87%	71-130%
460-00-4	4-Bromofluorobenzene	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	113%	77-123%

Blank Spike Summary

Job Number: F61776
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2062-BS	G0054526.D	1	12/02/08	MM	n/a	n/a	VG2062

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61776-1, F61776-2, F61776-3, F61776-4, F61776-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	181	72	61-144
75-05-8	Acetonitrile	500	445	89	59-139
107-02-8	Acrolein	250	74.2	30	27-156
107-13-1	Acrylonitrile	250	251	100	55-144
107-05-1	Allyl chloride	50	49.4	99	41-152
71-43-2	Benzene	50	53.5	107	78-130
100-44-7	Benzyl Chloride	50	45.1	90	74-130
108-86-1	Bromobenzene	50	56.1	112	78-123
74-97-5	Bromochloromethane	50	44.5	89	72-122
75-27-4	Bromodichloromethane	50	50.5	101	73-122
75-25-2	Bromoform	50	48.2	96	70-139
104-51-8	n-Butylbenzene	50	57.5	115	80-138
135-98-8	sec-Butylbenzene	50	60.1	120	82-132
98-06-6	tert-Butylbenzene	50	58.4	117	79-130
108-90-7	Chlorobenzene	50	53.7	107	83-122
75-00-3	Chloroethane	50	45.3	91	61-153
67-66-3	Chloroform	50	53.2	106	79-129
544-10-5	1-Chlorohexane	50	48.4	97	85-137
95-49-8	o-Chlorotoluene	50	58.6	117	77-123
106-43-4	p-Chlorotoluene	50	56.6	113	78-129
110-75-8	2-Chloroethyl vinyl ether	250	316	126	52-142
75-15-0	Carbon disulfide	50	41.2	82	61-142
56-23-5	Carbon tetrachloride	50	49.6	99	79-135
75-34-3	1,1-Dichloroethane	50	52.3	105	77-132
75-35-4	1,1-Dichloroethylene	50	46.4	93	66-132
563-58-6	1,1-Dichloropropene	50	50.1	100	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	49.7	99	67-129
106-93-4	1,2-Dibromoethane	50	47.3	95	77-126
107-06-2	1,2-Dichloroethane	50	48.6	97	78-129
78-87-5	1,2-Dichloropropane	50	52.1	104	74-127
142-28-9	1,3-Dichloropropane	50	49.0	98	78-118
594-20-7	2,2-Dichloropropane	50	55.2	110	80-137
124-48-1	Dibromochloromethane	50	50.4	101	78-117
75-71-8	Dichlorodifluoromethane	50	33.7	67	35-162
156-59-2	cis-1,2-Dichloroethylene	50	50.4	101	74-123
10061-01-5	cis-1,3-Dichloropropene	50	52.2	104	79-130

Blank Spike Summary

Job Number: F61776
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2062-BS	G0054526.D	1	12/02/08	MM	n/a	n/a	VG2062

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61776-1, F61776-2, F61776-3, F61776-4, F61776-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	46.7	93	71-126
541-73-1	m-Dichlorobenzene	50	55.3	111	82-126
95-50-1	o-Dichlorobenzene	50	54.7	109	83-123
106-46-7	p-Dichlorobenzene	50	56.9	114	84-124
156-60-5	trans-1,2-Dichloroethylene	50	50.5	101	77-129
10061-02-6	trans-1,3-Dichloropropene	50	57.2	114	87-131
100-41-4	Ethylbenzene	50	53.8	108	82-124
97-63-2	Ethyl methacrylate	50	46.5	93	78-118
76-13-1	Freon 113	50	28.1	56*	62-147
591-78-6	2-Hexanone	250	229	92	67-130
87-68-3	Hexachlorobutadiene	50	56.8	114	77-150
110-54-3	Hexane	50	52.8	106	65-147
98-82-8	Isopropylbenzene	50	57.8	116	82-133
99-87-6	p-Isopropyltoluene	50	58.6	117	82-132
108-10-1	4-Methyl-2-pentanone	250	235	94	69-125
126-98-7	Methacrylonitrile	500	453	91	70-138
74-83-9	Methyl bromide	50	49.5	99	60-146
74-87-3	Methyl chloride	50	43.9	88	58-163
74-88-4	Methyl iodide	50	40.6	81	66-128
80-62-6	Methyl methacrylate	50	45.0	90	73-125
74-95-3	Methylene bromide	50	50.9	102	75-128
75-09-2	Methylene chloride	50	49.8	100	62-140
78-93-3	Methyl ethyl ketone	250	204	82	66-134
1634-04-4	Methyl Tert Butyl Ether	50	46.1	92	70-131
91-20-3	Naphthalene	50	54.3	109	59-143
76-01-7	Pentachloroethane	50	57.1	114	64-156
107-12-0	Propionitrile	500	432	86	73-133
103-65-1	n-Propylbenzene	50	57.6	115	78-129
100-42-5	Styrene	50	51.5	103	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	53.9	108	81-121
71-55-6	1,1,1-Trichloroethane	50	52.2	104	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	51.9	104	70-128
79-00-5	1,1,2-Trichloroethane	50	50.7	101	76-118
87-61-6	1,2,3-Trichlorobenzene	50	59.6	119	78-136
96-18-4	1,2,3-Trichloropropane	50	48.0	96	74-125
120-82-1	1,2,4-Trichlorobenzene	50	56.8	114	82-137

Blank Spike Summary

Job Number: F61776
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2062-BS	G0054526.D	1	12/02/08	MM	n/a	n/a	VG2062

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61776-1, F61776-2, F61776-3, F61776-4, F61776-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	57.0	114	77-129
108-67-8	1,3,5-Trimethylbenzene	50	58.1	116	79-129
127-18-4	Tetrachloroethylene	50	54.8	110	79-132
108-88-3	Toluene	50	53.4	107	80-123
79-01-6	Trichloroethylene	50	53.0	106	78-132
75-69-4	Trichlorofluoromethane	50	42.4	85	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	104	208*	74-138
75-01-4	Vinyl chloride	50	38.7	77	60-145
108-05-4	Vinyl Acetate	250	355	142	25-164
	m,p-Xylene	100	113	113	82-128
95-47-6	o-Xylene	50	56.0	112	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	80-121%
2037-26-5	Toluene-D8	98%	71-130%
460-00-4	4-Bromofluorobenzene	101%	59-148%
17060-07-0	1,2-Dichloroethane-D4	91%	77-123%

Blank Spike Summary

Job Number: F61776
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2063-BS	G0054550.D	1	12/03/08	MM	n/a	n/a	VG2063

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61776-5, F61776-6, F61776-7, F61776-8, F61776-9, F61776-10, F61776-11

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	179	72	61-144
75-05-8	Acetonitrile	500	477	95	59-139
107-02-8	Acrolein	250	66.6	27	27-156
107-13-1	Acrylonitrile	250	248	99	55-144
107-05-1	Allyl chloride	50	46.5	93	41-152
71-43-2	Benzene	50	51.5	103	78-130
100-44-7	Benzyl Chloride	50	45.5	91	74-130
108-86-1	Bromobenzene	50	51.5	103	78-123
74-97-5	Bromochloromethane	50	43.5	87	72-122
75-27-4	Bromodichloromethane	50	48.2	96	73-122
75-25-2	Bromoform	50	47.6	95	70-139
104-51-8	n-Butylbenzene	50	55.0	110	80-138
135-98-8	sec-Butylbenzene	50	55.0	110	82-132
98-06-6	tert-Butylbenzene	50	53.1	106	79-130
108-90-7	Chlorobenzene	50	50.3	101	83-122
75-00-3	Chloroethane	50	47.6	95	61-153
67-66-3	Chloroform	50	51.3	103	79-129
544-10-5	1-Chlorohexane	50	45.8	92	85-137
95-49-8	o-Chlorotoluene	50	52.1	104	77-123
106-43-4	p-Chlorotoluene	50	52.8	106	78-129
110-75-8	2-Chloroethyl vinyl ether	250	309	124	52-142
75-15-0	Carbon disulfide	50	39.1	78	61-142
56-23-5	Carbon tetrachloride	50	49.8	100	79-135
75-34-3	1,1-Dichloroethane	50	49.7	99	77-132
75-35-4	1,1-Dichloroethylene	50	46.2	92	66-132
563-58-6	1,1-Dichloropropene	50	48.6	97	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	50.8	102	67-129
106-93-4	1,2-Dibromoethane	50	45.8	92	77-126
107-06-2	1,2-Dichloroethane	50	46.3	93	78-129
78-87-5	1,2-Dichloropropane	50	49.3	99	74-127
142-28-9	1,3-Dichloropropane	50	45.2	90	78-118
594-20-7	2,2-Dichloropropane	50	52.0	104	80-137
124-48-1	Dibromochloromethane	50	48.2	96	78-117
75-71-8	Dichlorodifluoromethane	50	33.8	68	35-162
156-59-2	cis-1,2-Dichloroethylene	50	47.0	94	74-123
10061-01-5	cis-1,3-Dichloropropene	50	51.2	102	79-130

Blank Spike Summary

Job Number: F61776
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2063-BS	G0054550.D	1	12/03/08	MM	n/a	n/a	VG2063

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61776-5, F61776-6, F61776-7, F61776-8, F61776-9, F61776-10, F61776-11

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	49.0	98	71-126
541-73-1	m-Dichlorobenzene	50	54.0	108	82-126
95-50-1	o-Dichlorobenzene	50	52.5	105	83-123
106-46-7	p-Dichlorobenzene	50	53.2	106	84-124
156-60-5	trans-1,2-Dichloroethylene	50	46.4	93	77-129
10061-02-6	trans-1,3-Dichloropropene	50	52.8	106	87-131
100-41-4	Ethylbenzene	50	50.9	102	82-124
97-63-2	Ethyl methacrylate	50	44.2	88	78-118
76-13-1	Freon 113	50	46.9	94	62-147
591-78-6	2-Hexanone	250	224	90	67-130
87-68-3	Hexachlorobutadiene	50	31.3	63*	77-150
110-54-3	Hexane	50	56.6	113	65-147
98-82-8	Isopropylbenzene	50	54.0	108	82-133
99-87-6	p-Isopropyltoluene	50	56.1	112	82-132
108-10-1	4-Methyl-2-pentanone	250	223	89	69-125
126-98-7	Methacrylonitrile	500	456	91	70-138
74-83-9	Methyl bromide	50	48.4	97	60-146
74-87-3	Methyl chloride	50	43.9	88	58-163
74-88-4	Methyl iodide	50	38.3	77	66-128
80-62-6	Methyl methacrylate	50	44.6	89	73-125
74-95-3	Methylene bromide	50	48.2	96	75-128
75-09-2	Methylene chloride	50	48.2	96	62-140
78-93-3	Methyl ethyl ketone	250	200	80	66-134
1634-04-4	Methyl Tert Butyl Ether	50	45.5	91	70-131
91-20-3	Naphthalene	50	52.6	105	59-143
76-01-7	Pentachloroethane	50	53.3	107	64-156
107-12-0	Propionitrile	500	440	88	73-133
103-65-1	n-Propylbenzene	50	51.6	103	78-129
100-42-5	Styrene	50	47.3	95	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	50.1	100	81-121
71-55-6	1,1,1-Trichloroethane	50	51.9	104	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	47.4	95	70-128
79-00-5	1,1,2-Trichloroethane	50	47.3	95	76-118
87-61-6	1,2,3-Trichlorobenzene	50	57.3	115	78-136
96-18-4	1,2,3-Trichloropropane	50	43.8	88	74-125
120-82-1	1,2,4-Trichlorobenzene	50	55.0	110	82-137

Blank Spike Summary

Job Number: F61776
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2063-BS	G0054550.D	1	12/03/08	MM	n/a	n/a	VG2063

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61776-5, F61776-6, F61776-7, F61776-8, F61776-9, F61776-10, F61776-11

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	53.5	107	77-129
108-67-8	1,3,5-Trimethylbenzene	50	53.6	107	79-129
127-18-4	Tetrachloroethylene	50	50.7	101	79-132
108-88-3	Toluene	50	48.6	97	80-123
79-01-6	Trichloroethylene	50	50.3	101	78-132
75-69-4	Trichlorofluoromethane	50	45.3	91	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	94.9	190*	74-138
75-01-4	Vinyl chloride	50	39.0	78	60-145
108-05-4	Vinyl Acetate	250	377	151	25-164
	m,p-Xylene	100	105	105	82-128
95-47-6	o-Xylene	50	51.2	102	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	80-121%
2037-26-5	Toluene-D8	94%	71-130%
460-00-4	4-Bromofluorobenzene	96%	59-148%
17060-07-0	1,2-Dichloroethane-D4	100%	77-123%

Blank Spike Summary

Job Number: F61776
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2064-BS	G0054580.D	1	12/04/08	MM	n/a	n/a	VG2064

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61776-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
98-82-8	Isopropylbenzene	50	62.0	124	82-133

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	80-121%
2037-26-5	Toluene-D8	96%	71-130%
460-00-4	4-Bromofluorobenzene	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	101%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61776
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61737-1MS	G0054529.D	1	12/02/08	MM	n/a	n/a	VG2062
F61737-1MSD	G0054530.D	1	12/02/08	MM	n/a	n/a	VG2062
F61737-1	G0054528.D	1	12/02/08	MM	n/a	n/a	VG2062

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61776-1, F61776-2, F61776-3, F61776-4, F61776-6

CAS No.	Compound	F61737-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	87.4		329	265	54*	236	44*	12	61-144/29
75-05-8	Acetonitrile	ND		657	582	89	587	87	1	59-139/30
107-02-8	Acrolein	ND		329	60.1	18*	47.3	14*	24	27-156/39
107-13-1	Acrylonitrile	ND		329	358	109	349	104	3	55-144/24
107-05-1	Allyl chloride	ND		65.7	59.6	91	62.1	93	4	41-152/24
71-43-2	Benzene	ND		65.7	68.0	103	63.5	95	7	78-130/25
100-44-7	Benzyl Chloride	ND		65.7	46.1	70*	50.1	75	8	74-130/28
108-86-1	Bromobenzene	ND		65.7	68.3	104	71.8	107	5	78-123/30
74-97-5	Bromochloromethane	ND		65.7	59.6	91	56.4	84	6	72-122/23
75-27-4	Bromodichloromethane	ND		65.7	62.9	96	64.5	96	3	73-122/25
75-25-2	Bromoform	ND		65.7	61.4	93	63.6	95	4	70-139/26
104-51-8	n-Butylbenzene	ND		65.7	71.4	109	73.2	109	2	80-138/31
135-98-8	sec-Butylbenzene	ND		65.7	72.2	110	75.6	113	5	82-132/29
98-06-6	tert-Butylbenzene	ND		65.7	66.6	101	68.6	102	3	79-130/29
108-90-7	Chlorobenzene	ND		65.7	66.4	101	66.3	99	0	83-122/23
75-00-3	Chloroethane	ND		65.7	58.5	89	57.3	85	2	61-153/31
67-66-3	Chloroform	ND		65.7	69.4	106	66.9	100	4	79-129/27
544-10-5	1-Chlorohexane	ND		65.7	60.6	92	63.1	94	4	85-137/29
95-49-8	o-Chlorotoluene	ND		65.7	68.9	105	72.5	108	5	77-123/31
106-43-4	p-Chlorotoluene	ND		65.7	68.1	104	71.9	107	5	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		329	424	129	426	127	0	52-142/25
75-15-0	Carbon disulfide	ND		65.7	57.6	88	50.7	76	13	61-142/27
56-23-5	Carbon tetrachloride	ND		65.7	68.6	104	63.8	95	7	79-135/29
75-34-3	1,1-Dichloroethane	ND		65.7	67.7	103	64.2	96	5	77-132/26
75-35-4	1,1-Dichloroethylene	ND		65.7	66.0	100	59.6	89	10	66-132/27
563-58-6	1,1-Dichloropropene	ND		65.7	65.6	100	65.3	97	0	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		65.7	63.5	97	67.6	101	6	67-129/29
106-93-4	1,2-Dibromoethane	ND		65.7	59.6	91	63.4	94	6	77-126/24
107-06-2	1,2-Dichloroethane	ND		65.7	62.6	95	62.6	93	0	78-129/24
78-87-5	1,2-Dichloropropane	ND		65.7	66.5	101	63.8	95	4	74-127/27
142-28-9	1,3-Dichloropropane	ND		65.7	59.8	91	62.3	93	4	78-118/26
594-20-7	2,2-Dichloropropane	ND		65.7	65.0	99	63.6	95	2	80-137/28
124-48-1	Dibromochloromethane	ND		65.7	60.4	92	65.1	97	7	78-117/27
75-71-8	Dichlorodifluoromethane	ND		65.7	51.3	78	49.8	74	3	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		65.7	62.6	95	61.2	91	2	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		65.7	64.7	98	65.8	98	2	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61776
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61737-1MS	G0054529.D	1	12/02/08	MM	n/a	n/a	VG2062
F61737-1MSD	G0054530.D	1	12/02/08	MM	n/a	n/a	VG2062
F61737-1	G0054528.D	1	12/02/08	MM	n/a	n/a	VG2062

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61776-1, F61776-2, F61776-3, F61776-4, F61776-6

CAS No.	Compound	F61737-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		65.7	57.3	87	59.7	89	4	71-126/28
541-73-1	m-Dichlorobenzene	ND		65.7	67.3	102	71.2	106	6	82-126/29
95-50-1	o-Dichlorobenzene	ND		65.7	66.6	101	69.6	104	4	83-123/28
106-46-7	p-Dichlorobenzene	ND		65.7	68.9	105	71.2	106	3	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		65.7	66.2	101	60.8	91	9	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		65.7	62.8	96	69.8	104	11	87-131/27
100-41-4	Ethylbenzene	ND		65.7	65.7	100	66.9	100	2	82-124/25
97-63-2	Ethyl methacrylate	ND		65.7	36.8	56*	39.8	59*	8	78-118/30
76-13-1	Freon 113	ND		65.7	70.9	108	65.5	98	8	62-147/29
591-78-6	2-Hexanone	ND		329	275	84	293	87	6	67-130/29
87-68-3	Hexachlorobutadiene	ND		65.7	69.5	106	78.8	117	13	77-150/36
110-54-3	Hexane	ND		65.7	74.1	113	70.4	105	5	65-147/27
98-82-8	Isopropylbenzene	ND		65.7	70.4	107	70.4	105	0	82-133/27
99-87-6	p-Isopropyltoluene	ND		65.7	73.8	112	76.2	114	3	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		329	312	95	317	94	2	69-125/24
126-98-7	Methacrylonitrile	ND		657	635	97	618	92	3	70-138/22
74-83-9	Methyl bromide	ND		65.7	71.0	108	66.0	98	7	60-146/31
74-87-3	Methyl chloride	ND		65.7	58.3	89	54.7	81	6	58-163/26
74-88-4	Methyl iodide	ND		65.7	54.4	83	47.5	71	14	66-128/27
80-62-6	Methyl methacrylate	ND		65.7	64.8	99	68.6	102	6	73-125/24
74-95-3	Methylene bromide	ND		65.7	67.1	102	66.4	99	1	75-128/26
75-09-2	Methylene chloride	30.8	B	65.7	73.9	66	61.7	46*	18	62-140/25
78-93-3	Methyl ethyl ketone	ND		329	256	78	244	73	5	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		65.7	58.2	89	60.5	90	4	70-131/25
91-20-3	Naphthalene	ND		65.7	68.1	104	74.8	111	9	59-143/31
76-01-7	Pentachloroethane	ND		65.7	60.7	92	63.1	94	4	64-156/37
107-12-0	Propionitrile	ND		657	578	88	583	87	1	73-133/23
103-65-1	n-Propylbenzene	ND		65.7	70.2	107	73.4	109	4	78-129/29
100-42-5	Styrene	ND		65.7	60.2	92	60.9	91	1	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		65.7	64.2	98	64.6	96	1	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		65.7	68.8	105	65.9	98	4	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		65.7	65.2	99	71.9	107	10	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		65.7	62.7	95	63.4	94	1	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		65.7	73.7	112	83.7	125	13	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		65.7	59.0	90	64.7	96	9	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		65.7	70.1	107	78.5	117	11	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61776
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61737-1MS	G0054529.D	1	12/02/08	MM	n/a	n/a	VG2062
F61737-1MSD	G0054530.D	1	12/02/08	MM	n/a	n/a	VG2062
F61737-1	G0054528.D	1	12/02/08	MM	n/a	n/a	VG2062

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61776-1, F61776-2, F61776-3, F61776-4, F61776-6

CAS No.	Compound	F61737-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		65.7	69.3	105	71.9	107	4	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		65.7	65.8	100	70.3	105	7	79-129/31
127-18-4	Tetrachloroethylene	ND		65.7	72.6	110	75.1	112	3	79-132/27
108-88-3	Toluene	ND		65.7	62.1	94	65.2	97	5	80-123/26
79-01-6	Trichloroethylene	ND		65.7	66.4	101	66.5	99	0	78-132/28
75-69-4	Trichlorofluoromethane	ND		65.7	67.8	103	57.7	86	16	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		65.7	122	186*	130	194*	6	74-138/30
75-01-4	Vinyl chloride	ND		65.7	54.1	82	50.0	74	8	60-145/29
108-05-4	Vinyl Acetate	ND		329	236	72	244	73	3	25-164/35
	m,p-Xylene	ND		131	136	103	137	102	1	82-128/25
95-47-6	o-Xylene	ND		65.7	66.6	101	67.7	101	2	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61737-1	Limits
1868-53-7	Dibromofluoromethane	104%	100%	100%	80-121%
2037-26-5	Toluene-D8	94%	99%	91%	71-130%
460-00-4	4-Bromofluorobenzene	94%	101%	106%	59-148%
17060-07-0	1,2-Dichloroethane-D4	108%	93%	109%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61776
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61775-2MS	G0054558.D	1	12/03/08	MM	n/a	n/a	VG2063
F61775-2MSD	G0054559.D	1	12/03/08	MM	n/a	n/a	VG2063
F61775-2 [a]	G0054557.D	1	12/03/08	MM	n/a	n/a	VG2063

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61776-5, F61776-6, F61776-7, F61776-8, F61776-9, F61776-10, F61776-11

CAS No.	Compound	F61775-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	31.0	J	305	167	45*	169	45*	1	61-144/29
75-05-8	Acetonitrile	ND		611	424	69	491	81	15	59-139/30
107-02-8	Acrolein	ND		305	27.2	9*	22.7	7*	18	27-156/39
107-13-1	Acrylonitrile	ND		305	302	99	330	108	9	55-144/24
107-05-1	Allyl chloride	ND		61.1	61.5	101	62.1	102	1	41-152/24
71-43-2	Benzene	ND		61.1	64.3	105	63.7	105	1	78-130/25
100-44-7	Benzyl Chloride	ND		61.1	43.4	71*	42.7	70*	2	74-130/28
108-86-1	Bromobenzene	ND		61.1	62.8	103	64.5	106	3	78-123/30
74-97-5	Bromochloromethane	ND		61.1	53.7	88	54.7	90	2	72-122/23
75-27-4	Bromodichloromethane	ND		61.1	60.4	99	61.7	101	2	73-122/25
75-25-2	Bromoform	ND		61.1	63.0	103	61.8	102	2	70-139/26
104-51-8	n-Butylbenzene	ND		61.1	63.9	105	65.3	107	2	80-138/31
135-98-8	sec-Butylbenzene	ND		61.1	66.7	109	69.5	114	4	82-132/29
98-06-6	tert-Butylbenzene	ND		61.1	65.4	107	66.6	109	2	79-130/29
108-90-7	Chlorobenzene	ND		61.1	62.6	102	60.8	100	3	83-122/23
75-00-3	Chloroethane	ND		61.1	56.0	92	55.0	90	2	61-153/31
67-66-3	Chloroform	ND		61.1	66.0	108	64.9	107	2	79-129/27
544-10-5	1-Chlorohexane	ND		61.1	57.1	93	56.2	92	2	85-137/29
95-49-8	o-Chlorotoluene	ND		61.1	63.2	103	65.3	107	3	77-123/31
106-43-4	p-Chlorotoluene	ND		61.1	62.8	103	64.4	106	3	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		305	403	132	413	136	2	52-142/25
75-15-0	Carbon disulfide	ND		61.1	50.4	82	51.6	85	2	61-142/27
56-23-5	Carbon tetrachloride	ND		61.1	64.7	106	64.8	107	0	79-135/29
75-34-3	1,1-Dichloroethane	ND		61.1	62.4	102	62.4	103	0	77-132/26
75-35-4	1,1-Dichloroethylene	ND		61.1	60.8	100	58.5	96	4	66-132/27
563-58-6	1,1-Dichloropropene	ND		61.1	64.7	106	62.9	103	3	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		61.1	70.8	116	64.4	106	9	67-129/29
106-93-4	1,2-Dibromoethane	ND		61.1	57.5	94	55.4	91	4	77-126/24
107-06-2	1,2-Dichloroethane	ND		61.1	58.4	96	60.1	99	3	78-129/24
78-87-5	1,2-Dichloropropane	ND		61.1	62.2	102	62.9	103	1	74-127/27
142-28-9	1,3-Dichloropropane	ND		61.1	56.9	93	57.2	94	1	78-118/26
594-20-7	2,2-Dichloropropane	ND		61.1	58.4	96	56.7	93	3	80-137/28
124-48-1	Dibromochloromethane	ND		61.1	62.0	101	58.1	96	6	78-117/27
75-71-8	Dichlorodifluoromethane	ND		61.1	35.6	58	41.6	68	16	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		61.1	57.6	94	58.0	95	1	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		61.1	61.9	101	63.0	104	2	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61776
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61775-2MS	G0054558.D	1	12/03/08	MM	n/a	n/a	VG2063
F61775-2MSD	G0054559.D	1	12/03/08	MM	n/a	n/a	VG2063
F61775-2 [a]	G0054557.D	1	12/03/08	MM	n/a	n/a	VG2063

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61776-5, F61776-6, F61776-7, F61776-8, F61776-9, F61776-10, F61776-11

CAS No.	Compound	F61775-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		61.1	57.3	94	63.1	104	10	71-126/28
541-73-1	m-Dichlorobenzene	ND		61.1	63.4	104	66.6	109	5	82-126/29
95-50-1	o-Dichlorobenzene	ND		61.1	64.5	106	65.7	108	2	83-123/28
106-46-7	p-Dichlorobenzene	ND		61.1	64.6	106	65.4	108	1	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		61.1	61.9	101	62.5	103	1	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		61.1	65.0	106	61.7	101	5	87-131/27
100-41-4	Ethylbenzene	ND		61.1	63.6	104	61.3	101	4	82-124/25
97-63-2	Ethyl methacrylate	ND		61.1	53.7	88	51.0	84	5	78-118/30
76-13-1	Freon 113	ND		61.1	36.7	60*	53.3	88	37*	62-147/29
591-78-6	2-Hexanone	ND		305	258	84	256	84	1	67-130/29
87-68-3	Hexachlorobutadiene	ND		61.1	69.6	114	68.5	113	2	77-150/36
110-54-3	Hexane	ND		61.1	59.0	97	60.2	99	2	65-147/27
98-82-8	Isopropylbenzene	ND		61.1	68.2	112	65.8	108	4	82-133/27
99-87-6	p-Isopropyltoluene	ND		61.1	65.0	106	67.5	111	4	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		305	295	97	286	94	3	69-125/24
126-98-7	Methacrylonitrile	ND		611	580	95	596	98	3	70-138/22
74-83-9	Methyl bromide	ND		61.1	65.1	107	62.0	102	5	60-146/31
74-87-3	Methyl chloride	ND		61.1	57.5	94	52.7	87	9	58-163/26
74-88-4	Methyl iodide	ND		61.1	47.2	77	47.3	78	0	66-128/27
80-62-6	Methyl methacrylate	ND		61.1	62.0	101	61.1	100	1	73-125/24
74-95-3	Methylene bromide	ND		61.1	61.6	101	60.9	100	1	75-128/26
75-09-2	Methylene chloride	4.8	JB	61.1	80.1	123	88.2	137	10	62-140/25
78-93-3	Methyl ethyl ketone	ND		305	209	68	214	70	2	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		61.1	54.7	90	57.7	95	5	70-131/25
91-20-3	Naphthalene	ND		61.1	61.2	100	67.2	110	9	59-143/31
76-01-7	Pentachloroethane	ND		61.1	58.6	96	61.7	101	5	64-156/37
107-12-0	Propionitrile	ND		611	553	91	563	93	2	73-133/23
103-65-1	n-Propylbenzene	ND		61.1	63.4	104	63.7	105	0	78-129/29
100-42-5	Styrene	ND		61.1	58.7	96	57.1	94	3	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		61.1	61.1	100	59.7	98	2	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		61.1	65.0	106	65.2	107	0	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		61.1	61.2	100	63.4	104	4	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		61.1	62.4	102	57.0	94	9	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		61.1	58.5	96	67.0	110	14	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		61.1	57.6	94	55.9	92	3	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		61.1	63.3	104	67.9	112	7	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61776
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61775-2MS	G0054558.D	1	12/03/08	MM	n/a	n/a	VG2063
F61775-2MSD	G0054559.D	1	12/03/08	MM	n/a	n/a	VG2063
F61775-2 [a]	G0054557.D	1	12/03/08	MM	n/a	n/a	VG2063

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61776-5, F61776-6, F61776-7, F61776-8, F61776-9, F61776-10, F61776-11

CAS No.	Compound	F61775-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		61.1	65.2	107	65.3	107	0	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		61.1	65.2	107	65.9	108	1	79-129/31
127-18-4	Tetrachloroethylene	ND		61.1	66.5	109	66.6	109	0	79-132/27
108-88-3	Toluene	ND		61.1	61.0	100	58.9	97	4	80-123/26
79-01-6	Trichloroethylene	ND		61.1	63.8	104	62.2	102	3	78-132/28
75-69-4	Trichlorofluoromethane	ND		61.1	55.6	91	54.4	89	2	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		61.1	119	195*	119	196*	0	74-138/30
75-01-4	Vinyl chloride	ND		61.1	52.6	86	49.8	82	5	60-145/29
108-05-4	Vinyl Acetate	ND		305	119	39	127	42	7	25-164/35
	m,p-Xylene	ND		122	129	106	129	106	0	82-128/25
95-47-6	o-Xylene	ND		61.1	64.6	106	64.0	105	1	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61775-2	Limits
1868-53-7	Dibromofluoromethane	99%	103%	107%	80-121%
2037-26-5	Toluene-D8	95%	93%	90%	71-130%
460-00-4	4-Bromofluorobenzene	94%	97%	101%	59-148%
17060-07-0	1,2-Dichloroethane-D4	102%	96%	110%	77-123%

(a) En Core samples were not preserved within 48 hours.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61776
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61771-4MS	G0054585.D	1	12/04/08	MM	n/a	n/a	VG2064
F61771-4MSD	G0054586.D	1	12/04/08	MM	n/a	n/a	VG2064
F61771-4	G0054584.D	1	12/04/08	MM	n/a	n/a	VG2064

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61776-2

CAS No.	Compound	F61771-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
98-82-8	Isopropylbenzene	11.6		59.4	59.0	80*	61.8	84	5	82-133/27

CAS No.	Surrogate Recoveries	MS	MSD	F61771-4	Limits
1868-53-7	Dibromofluoromethane	103%	100%	102%	80-121%
2037-26-5	Toluene-D8	93%	95%	91%	71-130%
460-00-4	4-Bromofluorobenzene	98%	99%	93%	59-148%
17060-07-0	1,2-Dichloroethane-D4	110%	103%	115%	77-123%

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61776
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3628-MB	CD086213.D	1	12/04/08	JG	n/a	n/a	GCD3628

The QC reported here applies to the following samples: **Method:** SW846 8015

F61776-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	84%	56-136%
98-08-8	aaa-Trifluorotoluene	85%	61-121%

Method Blank Summary

Job Number: F61776
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3629-MB	CD086241.D	1	12/05/08	JG	n/a	n/a	GCD3629

The QC reported here applies to the following samples: **Method:** SW846 8015

F61776-3, F61776-4, F61776-5, F61776-7, F61776-8, F61776-9, F61776-10, F61776-2A, F61776-6A

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	80%	56-136%
98-08-8	aaa-Trifluorotoluene	83%	61-121%

Blank Spike Summary

Job Number: F61776
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3628-BS	CD086212.D	1	12/04/08	JG	n/a	n/a	GCD3628

The QC reported here applies to the following samples: **Method:** SW846 8015

F61776-1

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	16.8	84	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	100%	56-136%
98-08-8	aaa-Trifluorotoluene	93%	61-121%

Blank Spike Summary

Job Number: F61776
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3629-BS	CD086245.D	1	12/05/08	JG	n/a	n/a	GCD3629

The QC reported here applies to the following samples: **Method:** SW846 8015

F61776-3, F61776-4, F61776-5, F61776-7, F61776-8, F61776-9, F61776-10, F61776-2A, F61776-6A

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	19.9	100	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	112%	56-136%
98-08-8	aaa-Trifluorotoluene	98%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61776
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61736-1MS	CD086220.D	1	12/04/08	JG	n/a	n/a	GCD3628
F61736-1MSD	CD086221.D	1	12/04/08	JG	n/a	n/a	GCD3628
F61736-1	CD086216.D	1	12/04/08	JG	n/a	n/a	GCD3628

The QC reported here applies to the following samples: **Method:** SW846 8015

F61776-1

CAS No.	Compound	F61736-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		27.2	24.1	88	22.9	84	5	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61736-1	Limits
460-00-4	4-Bromofluorobenzene	110%	111%	84%	56-136%
98-08-8	aaa-Trifluorotoluene	92%	91%	85%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61776
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61775-2MS	CD086243.D	1	12/05/08	JG	n/a	n/a	GCD3629
F61775-2MSD	CD086244.D	1	12/05/08	JG	n/a	n/a	GCD3629
F61775-2 [a]	CD086242.D	1	12/05/08	JG	n/a	n/a	GCD3629

The QC reported here applies to the following samples: **Method:** SW846 8015

F61776-3, F61776-4, F61776-5, F61776-7, F61776-8, F61776-9, F61776-10, F61776-2A, F61776-6A

CAS No.	Compound	F61775-2 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		22.7	18.5	82	18.4	81	1	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61775-2	Limits
460-00-4	4-Bromofluorobenzene	110%	112%	87%	56-136%
98-08-8	aaa-Trifluorotoluene	93%	91%	84%	61-121%

(a) En Core samples were not preserved within 48 hours.

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61776
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27279-MB	LL24168.D	1	11/27/08	ME	11/26/08	OP27279	GLL904

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61776-1, F61776-3, F61776-4, F61776-5, F61776-7, F61776-8, F61776-9, F61776-10, F61776-2A, F61776-6A

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	89%	49-108%

Method Blank Summary

Job Number: F61776
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27279-MB	LL24276.D	1	12/03/08	NY	11/26/08	OP27279	GLL907

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61776-1, F61776-3, F61776-4, F61776-5, F61776-7, F61776-8, F61776-9, F61776-10, F61776-2A, F61776-6A

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	130%*	49-108%

Blank Spike Summary

Job Number: F61776
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27279-BS	LL24167.D	1	11/27/08	ME	11/26/08	OP27279	GLL904

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61776-1, F61776-3, F61776-4, F61776-5, F61776-7, F61776-8, F61776-9, F61776-10, F61776-2A, F61776-6A

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	29.8	89	64-102
	TPH (> C22-C36)	33.3	33.5	101	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	90%	49-108%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61776
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27279-MS	LL24172.D	1	11/27/08	ME	11/26/08	OP27279	GLL904
OP27279-MSD	LL24173.D	1	11/27/08	ME	11/26/08	OP27279	GLL904
F61775-2	LL24171.D	1	11/27/08	ME	11/26/08	OP27279	GLL904

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61776-1, F61776-3, F61776-4, F61776-5, F61776-7, F61776-8, F61776-9, F61776-10, F61776-2A, F61776-6A

CAS No.	Compound	F61775-2 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		37.7	32.3	86	28.8	75	11	64-102/32
	TPH (> C22-C36)	ND		37.7	36.0	96	34.8	91	3	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F61775-2	Limits
84-15-1	o-Terphenyl	86%	76%	80%	49-108%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/17/08

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F61816

Sampling Date: 11/24/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **78**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Sections: 1 2 3 4 5 6 7

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F61816-1: SS61-SB28-20 7
3.2: F61816-2: SS61-SB28-28 12
3.3: F61816-3: SS61-SB28-35 17
3.4: F61816-4: SS61-SB29-20 22
3.5: F61816-5: SS61-SB29-29 27
3.6: F61816-5A: SS61-SB29-29 30
3.7: F61816-6: SS61-SB29-40 35
3.8: F61816-6A: SS61-SB29-40 38
3.9: F61816-7: TRIP BLANK 43
Section 4: Misc. Forms **46**
4.1: Chain of Custody 47
Section 5: GC/MS Volatiles - QC Data Summaries **49**
5.1: Method Blank Summary 50
5.2: Blank Spike Summary 56
5.3: Matrix Spike/Matrix Spike Duplicate Summary 62
Section 6: GC Volatiles - QC Data Summaries **68**
6.1: Method Blank Summary 69
6.2: Blank Spike Summary 71
6.3: Matrix Spike/Matrix Spike Duplicate Summary 73
Section 7: GC Semi-volatiles - QC Data Summaries **75**
7.1: Method Blank Summary 76
7.2: Blank Spike Summary 77
7.3: Matrix Spike/Matrix Spike Duplicate Summary 78

Sample Summary

North Wind, Inc

Job No: F61816

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F61816-1	11/24/08	13:00	ZB	11/26/08	SO	Soil	SS61-SB28-20
F61816-2	11/24/08	13:15	ZB	11/26/08	SO	Soil	SS61-SB28-28
F61816-3	11/24/08	13:30	ZB	11/26/08	SO	Soil	SS61-SB28-35
F61816-4	11/24/08	15:45	ZB	11/26/08	SO	Soil	SS61-SB29-20
F61816-5	11/24/08	16:00	ZB	11/26/08	SO	Soil	SS61-SB29-29
F61816-5A	11/24/08	16:00	ZB	11/26/08	SO	Soil	SS61-SB29-29
F61816-6	11/24/08	16:15	ZB	11/26/08	SO	Soil	SS61-SB29-40
F61816-6A	11/24/08	16:15	ZB	11/26/08	SO	Soil	SS61-SB29-40
F61816-7	11/24/08	00:00	ZB	11/26/08	SO	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F61816

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/16/2008 11:43:05

6 Samples, 1 Trip Blank were collected on 11/24/2008 and received at Accutest on 11/26/2008 properly preserved, at 2 Deg. C and intact. These Samples received an Accutest job number of F61816. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2066

All samples were analyzed within the recommended method holding time.

Sample(s) F61816-1MS, F61816-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for 2-Hexanone, Acetone, Acrolein, Dibromochloromethane, Ethyl methacrylate, Methacrylonitrile, Methyl ethyl ketone, Methyl methacrylate, Propionitrile, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for 1-Chlorohexane, Acetone, Acrolein, Benzyl Chloride, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1-Chlorohexane, Acetone, Acrolein, Benzyl Chloride, Hexachlorobutadiene, Methyl ethyl ketone, Naphthalene, Trans-1,4-Dichloro-2-Butene are outside control limits. Probable cause due to matrix interference.

RPD(s) for MSD for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Acetone, Freon 113, Naphthalene are outside control limits for sample F61816-1MSD. Probable cause due to sample homogeneity.

F61816-5A for Methylene chloride: Suspected laboratory contaminant.

F61816-7 for Methylene chloride: Suspected laboratory contaminant.

F61816-6 for Methylene chloride: Suspected laboratory contaminant.

F61816-5 for Methylene chloride: Suspected laboratory contaminant.

F61816-2 for 1,2,4-Trichlorobenzene: I-Cal not valid for this compound.

F61816-2 for Naphthalene: I-Cal not valid for this compound.

F61816-2 for Methylene chloride: Suspected laboratory contaminant.

F61816-3 for Methylene chloride: Suspected laboratory contaminant.

F61816-1 for Methylene chloride: Suspected laboratory contaminant.

F61816-4 for Methylene chloride: Suspected laboratory contaminant.

Matrix: SO **Batch ID:** VG2067

All samples were analyzed within the recommended method holding time.

Sample(s) F61902-1MS, F61902-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Matrix: SO **Batch ID:** VG2071

All method blanks for this batch meet method specific criteria.

Sample(s) F61975-4MS, F61975-4MSD were used as the QC samples indicated.

The following samples were run outside of holding time for method SW846 8260B: F61816-6A Sample re-analyzed beyond hold time; reported results are considered minimum values.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2071

F61816-6A: Sample re-analyzed beyond hold time; reported results are considered minimum values.

Matrix: SO **Batch ID:** VK1729

Sample(s) F62031-2MS, F62031-2MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GCD3630

All samples were analyzed within the recommended method holding time.

Sample(s) F61816-1MS, F61816-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Matrix: SO **Batch ID:** GQR1961

Sample(s) F61902-1MS, F61902-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Extractables by GC By Method SW846 8015 M

Matrix: SO **Batch ID:** OP27313

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F61816-3MS, F61816-3MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Wet Chemistry By Method SM19 2540B M

Matrix: SO **Batch ID:** GN32990

Sample(s) F61785-1DUP were used as the QC samples for Solids, Percent.

Matrix: SO **Batch ID:** GN33003

Sample(s) F61845-1DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: December 16, 2008

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-SB28-20		
Lab Sample ID:	F61816-1	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054654.D	1	12/06/08	MM	11/26/08 10:45	n/a	VG2066
Run #2							

	Initial Weight
Run #1	5.60 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	53	26	ug/kg	
75-05-8	Acetonitrile	ND	53	17	ug/kg	
107-02-8	Acrolein	ND	26	10	ug/kg	
107-13-1	Acrylonitrile	ND	26	7.3	ug/kg	
107-05-1	Allyl chloride	ND	26	5.3	ug/kg	
71-43-2	Benzene	9.0	5.3	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.3	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.3	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.3	1.8	ug/kg	
75-27-4	Bromodichloromethane	ND	5.3	1.3	ug/kg	
75-25-2	Bromoform	ND	5.3	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	5.3	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.3	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.3	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.3	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.3	2.1	ug/kg	
67-66-3	Chloroform	ND	5.3	1.8	ug/kg	
544-10-5	1-Chlorohexane	ND	5.3	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.3	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.3	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	26	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.3	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.3	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.3	2.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.3	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.3	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.3	2.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.3	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.3	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.3	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.3	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.3	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB28-20		
Lab Sample ID:	F61816-1	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.3	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.3	2.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.3	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.3	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	26	5.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.3	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.3	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.3	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.3	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.3	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.3	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	26	5.3	ug/kg	
76-13-1	Freon 113	ND	5.3	2.7	ug/kg	
591-78-6	2-Hexanone	ND	26	5.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.3	1.3	ug/kg	
110-54-3	Hexane	ND	5.3	2.5	ug/kg	
98-82-8	Isopropylbenzene	3.9	5.3	1.2	ug/kg	J
99-87-6	p-Isopropyltoluene	ND	5.3	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	26	6.7	ug/kg	
126-98-7	Methacrylonitrile	ND	26	5.8	ug/kg	
74-83-9	Methyl bromide	ND	5.3	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.3	2.5	ug/kg	
74-88-4	Methyl iodide	ND	11	2.1	ug/kg	
80-62-6	Methyl methacrylate	ND	26	5.3	ug/kg	
74-95-3	Methylene bromide	ND	5.3	1.6	ug/kg	
75-09-2	Methylene chloride [a]	7.3	11	5.3	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	26	8.7	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.3	1.6	ug/kg	
91-20-3	Naphthalene	ND	5.3	2.1	ug/kg	
76-01-7	Pentachloroethane	ND	26	5.3	ug/kg	
107-12-0	Propionitrile	ND	53	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.3	1.3	ug/kg	
100-42-5	Styrene	ND	5.3	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.3	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.3	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.3	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.3	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.3	2.1	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.3	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.3	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB28-20		
Lab Sample ID:	F61816-1	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.3	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.3	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.3	1.3	ug/kg	
108-88-3	Toluene	ND	5.3	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.3	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.3	2.1	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	26	5.3	ug/kg	
75-01-4	Vinyl chloride	ND	5.3	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	26	13	ug/kg	
	m,p-Xylene	ND	11	2.0	ug/kg	
95-47-6	o-Xylene	ND	5.3	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		80-121%
2037-26-5	Toluene-D8	85%		71-130%
460-00-4	4-Bromofluorobenzene	100%		59-148%
17060-07-0	1,2-Dichloroethane-D4	106%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB28-20		
Lab Sample ID:	F61816-1	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	84.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086284.D	1	12/08/08	JG	11/26/08 10:45	n/a	GCD3630
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.41 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.3	3.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	84%		56-136%
98-08-8	aaa-Trifluorotoluene	82%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB28-20		
Lab Sample ID:	F61816-1	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	84.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24322.D	1	12/04/08	NY	12/03/08	OP27313	GLL908
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.7	5.8	mg/kg	
	TPH (> C22-C36)	ND	9.7	5.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB28-28		
Lab Sample ID:	F61816-2	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	71.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054657.D	1	12/06/08	MM	11/26/08 10:55	n/a	VG2066
Run #2	G0054683.D	1	12/08/08	MM	11/26/08 10:55	n/a	VG2067

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.63 g	5.0 ml	100 ul
Run #2	5.37 g	5.0 ml	20.0 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	4100	2000	ug/kg	
75-05-8	Acetonitrile	ND	4100	1300	ug/kg	
107-02-8	Acrolein	ND	2000	800	ug/kg	
107-13-1	Acrylonitrile	ND	2000	560	ug/kg	
107-05-1	Allyl chloride	ND	2000	410	ug/kg	
71-43-2	Benzene	2750	410	81	ug/kg	
100-44-7	Benzyl Chloride	ND	410	90	ug/kg	
108-86-1	Bromobenzene	ND	410	81	ug/kg	
74-97-5	Bromochloromethane	ND	410	140	ug/kg	
75-27-4	Bromodichloromethane	ND	410	98	ug/kg	
75-25-2	Bromoform	ND	410	120	ug/kg	
104-51-8	n-Butylbenzene	ND	410	110	ug/kg	
135-98-8	sec-Butylbenzene	721	410	90	ug/kg	
98-06-6	tert-Butylbenzene	324	410	90	ug/kg	J
108-90-7	Chlorobenzene	ND	410	81	ug/kg	
75-00-3	Chloroethane	ND	410	160	ug/kg	
67-66-3	Chloroform	ND	410	140	ug/kg	
544-10-5	1-Chlorohexane	ND	410	110	ug/kg	
95-49-8	o-Chlorotoluene	ND	410	81	ug/kg	
106-43-4	p-Chlorotoluene	ND	410	81	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	2000	810	ug/kg	
75-15-0	Carbon disulfide	ND	410	90	ug/kg	
56-23-5	Carbon tetrachloride	ND	410	110	ug/kg	
75-34-3	1,1-Dichloroethane	ND	410	160	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	410	110	ug/kg	
563-58-6	1,1-Dichloropropene	ND	410	110	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	410	200	ug/kg	
106-93-4	1,2-Dibromoethane	ND	410	81	ug/kg	
107-06-2	1,2-Dichloroethane	ND	410	90	ug/kg	
78-87-5	1,2-Dichloropropane	ND	410	110	ug/kg	
142-28-9	1,3-Dichloropropane	ND	410	81	ug/kg	
594-20-7	2,2-Dichloropropane	ND	410	170	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB28-28		
Lab Sample ID:	F61816-2	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	71.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	410	81	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	410	160	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	410	130	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	410	110	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	2000	410	ug/kg	
541-73-1	m-Dichlorobenzene	ND	410	81	ug/kg	
95-50-1	o-Dichlorobenzene	ND	410	81	ug/kg	
106-46-7	p-Dichlorobenzene	ND	410	81	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	410	98	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	410	81	ug/kg	
100-41-4	Ethylbenzene	6030	410	81	ug/kg	
97-63-2	Ethyl methacrylate	ND	2000	410	ug/kg	
76-13-1	Freon 113	ND	410	210	ug/kg	
591-78-6	2-Hexanone	ND	2000	410	ug/kg	
87-68-3	Hexachlorobutadiene	ND	410	98	ug/kg	
110-54-3	Hexane	ND	410	200	ug/kg	
98-82-8	Isopropylbenzene	24500 [a]	2100	460	ug/kg	
99-87-6	p-Isopropyltoluene	ND	410	90	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	2000	520	ug/kg	
126-98-7	Methacrylonitrile	ND	2000	450	ug/kg	
74-83-9	Methyl bromide	ND	410	180	ug/kg	
74-87-3	Methyl chloride	ND	410	200	ug/kg	
74-88-4	Methyl iodide	ND	810	160	ug/kg	
80-62-6	Methyl methacrylate	ND	2000	410	ug/kg	
74-95-3	Methylene bromide	ND	410	120	ug/kg	
75-09-2	Methylene chloride [b]	1670	810	410	ug/kg	
78-93-3	Methyl ethyl ketone	ND	2000	680	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	410	120	ug/kg	
91-20-3	Naphthalene [c]	1180	410	160	ug/kg	J
76-01-7	Pentachloroethane	ND	2000	410	ug/kg	
107-12-0	Propionitrile	ND	4100	980	ug/kg	
103-65-1	n-Propylbenzene	1660	410	98	ug/kg	
100-42-5	Styrene	ND	410	81	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	410	81	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	410	90	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	410	150	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	410	81	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	410	160	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	410	150	ug/kg	
120-82-1	1,2,4-Trichlorobenzene [c]	468	410	160	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB28-28		
Lab Sample ID:	F61816-2	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	71.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	1680	410	81	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	180	410	81	ug/kg	J
127-18-4	Tetrachloroethylene	ND	410	98	ug/kg	
108-88-3	Toluene	ND	410	81	ug/kg	
79-01-6	Trichloroethylene	ND	410	98	ug/kg	
75-69-4	Trichlorofluoromethane	ND	410	160	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	2000	410	ug/kg	
75-01-4	Vinyl chloride	ND	410	160	ug/kg	
108-05-4	Vinyl Acetate	ND	2000	980	ug/kg	
1330-20-7	Xylene (total)	1360	1200	240	ug/kg	
	m,p-Xylene	1020	810	150	ug/kg	
95-47-6	o-Xylene	345	410	81	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%	101%	80-121%
2037-26-5	Toluene-D8	94%	91%	71-130%
460-00-4	4-Bromofluorobenzene	95%	94%	59-148%
17060-07-0	1,2-Dichloroethane-D4	99%	101%	77-123%

(a) Result is from Run# 2
(b) Suspected laboratory contaminant.
(c) I-Cal not valid for this compound.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB28-28		
Lab Sample ID:	F61816-2	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	71.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045078.D	1	12/08/08	AH	11/26/08 10:55	n/a	GQR1961
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.37 g	5.0 ml	5.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	623	170	84	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	76%		56-136%
98-08-8	aaa-Trifluorotoluene	92%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB28-28		
Lab Sample ID:	F61816-2	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	71.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24323.D	1	12/04/08	NY	12/03/08	OP27313	GLL908
Run #2							

	Initial Weight	Final Volume
Run #1	29.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	12	7.0	mg/kg	
	TPH (> C22-C36)	ND	12	7.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB28-35		
Lab Sample ID:	F61816-3	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054658.D	1	12/06/08	MM	11/26/08 10:55	n/a	VG2066
Run #2							

	Initial Weight
Run #1	6.10 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	46	23	ug/kg	
75-05-8	Acetonitrile	ND	46	15	ug/kg	
107-02-8	Acrolein	ND	23	9.1	ug/kg	
107-13-1	Acrylonitrile	ND	23	6.4	ug/kg	
107-05-1	Allyl chloride	ND	23	4.6	ug/kg	
71-43-2	Benzene	ND	4.6	0.93	ug/kg	
100-44-7	Benzyl Chloride	ND	4.6	1.0	ug/kg	
108-86-1	Bromobenzene	ND	4.6	0.93	ug/kg	
74-97-5	Bromochloromethane	ND	4.6	1.6	ug/kg	
75-27-4	Bromodichloromethane	ND	4.6	1.1	ug/kg	
75-25-2	Bromoform	ND	4.6	1.4	ug/kg	
104-51-8	n-Butylbenzene	ND	4.6	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	4.6	1.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	4.6	1.0	ug/kg	
108-90-7	Chlorobenzene	ND	4.6	0.93	ug/kg	
75-00-3	Chloroethane	ND	4.6	1.9	ug/kg	
67-66-3	Chloroform	ND	4.6	1.6	ug/kg	
544-10-5	1-Chlorohexane	ND	4.6	1.2	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.6	0.93	ug/kg	
106-43-4	p-Chlorotoluene	ND	4.6	0.93	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	23	9.3	ug/kg	
75-15-0	Carbon disulfide	ND	4.6	1.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.6	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.6	1.9	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.6	1.2	ug/kg	
563-58-6	1,1-Dichloropropene	ND	4.6	1.3	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.6	2.2	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4.6	0.93	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.6	1.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.6	1.3	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4.6	0.93	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4.6	1.9	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB28-35		
Lab Sample ID:	F61816-3	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	4.6	0.93	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.6	1.9	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.6	1.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.6	1.2	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	23	4.6	ug/kg	
541-73-1	m-Dichlorobenzene	ND	4.6	0.93	ug/kg	
95-50-1	o-Dichlorobenzene	ND	4.6	0.93	ug/kg	
106-46-7	p-Dichlorobenzene	ND	4.6	0.93	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	4.6	1.1	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.6	0.93	ug/kg	
100-41-4	Ethylbenzene	ND	4.6	0.93	ug/kg	
97-63-2	Ethyl methacrylate	ND	23	4.6	ug/kg	
76-13-1	Freon 113	ND	4.6	2.4	ug/kg	
591-78-6	2-Hexanone	ND	23	4.6	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.6	1.1	ug/kg	
110-54-3	Hexane	ND	4.6	2.2	ug/kg	
98-82-8	Isopropylbenzene	ND	4.6	1.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	4.6	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	23	5.9	ug/kg	
126-98-7	Methacrylonitrile	ND	23	5.1	ug/kg	
74-83-9	Methyl bromide	ND	4.6	2.0	ug/kg	
74-87-3	Methyl chloride	ND	4.6	2.2	ug/kg	
74-88-4	Methyl iodide	ND	9.3	1.9	ug/kg	
80-62-6	Methyl methacrylate	ND	23	4.6	ug/kg	
74-95-3	Methylene bromide	ND	4.6	1.4	ug/kg	
75-09-2	Methylene chloride [a]	13.9	9.3	4.6	ug/kg	
78-93-3	Methyl ethyl ketone	ND	23	7.7	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.6	1.4	ug/kg	
91-20-3	Naphthalene	ND	4.6	1.9	ug/kg	
76-01-7	Pentachloroethane	ND	23	4.6	ug/kg	
107-12-0	Propionitrile	ND	46	11	ug/kg	
103-65-1	n-Propylbenzene	ND	4.6	1.1	ug/kg	
100-42-5	Styrene	ND	4.6	0.93	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.6	0.93	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.6	1.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.6	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.6	0.93	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.6	1.9	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.6	1.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.6	1.9	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB28-35		
Lab Sample ID:	F61816-3	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	4.6	0.93	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.6	0.93	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.6	1.1	ug/kg	
108-88-3	Toluene	ND	4.6	0.93	ug/kg	
79-01-6	Trichloroethylene	ND	4.6	1.1	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.6	1.9	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	23	4.6	ug/kg	
75-01-4	Vinyl chloride	ND	4.6	1.9	ug/kg	
108-05-4	Vinyl Acetate	ND	23	11	ug/kg	
	m,p-Xylene	ND	9.3	1.8	ug/kg	
95-47-6	o-Xylene	ND	4.6	0.93	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		80-121%
2037-26-5	Toluene-D8	85%		71-130%
460-00-4	4-Bromofluorobenzene	98%		59-148%
17060-07-0	1,2-Dichloroethane-D4	108%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB28-35		
Lab Sample ID:	F61816-3	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	88.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045080.D	1	12/08/08	AH	11/26/08 10:55	n/a	GQR1961
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.03 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.3	2.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	92%		56-136%
98-08-8	aaa-Trifluorotoluene	76%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB28-35		
Lab Sample ID:	F61816-3	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	88.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24324.D	1	12/04/08	NY	12/03/08	OP27313	GLL908
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.3	5.6	mg/kg	
	TPH (> C22-C36)	ND	9.3	5.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	76%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB29-20		
Lab Sample ID:	F61816-4	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054659.D	1	12/06/08	MM	11/26/08 10:55	n/a	VG2066
Run #2							

	Initial Weight
Run #1	5.86 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	51	25	ug/kg	
75-05-8	Acetonitrile	ND	51	16	ug/kg	
107-02-8	Acrolein	ND	25	9.9	ug/kg	
107-13-1	Acrylonitrile	ND	25	7.0	ug/kg	
107-05-1	Allyl chloride	ND	25	5.1	ug/kg	
71-43-2	Benzene	ND	5.1	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.1	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.1	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.1	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.1	1.2	ug/kg	
75-25-2	Bromoform	ND	5.1	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.1	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.1	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.1	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.1	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.1	2.0	ug/kg	
67-66-3	Chloroform	ND	5.1	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.1	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.1	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.1	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.1	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.1	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.1	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.1	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.1	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.1	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.1	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.1	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.1	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.1	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.1	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB29-20		
Lab Sample ID:	F61816-4	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.1	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.1	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.1	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.1	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.1	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.1	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.1	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.1	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.1	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.1	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.1	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.1	ug/kg	
76-13-1	Freon 113	ND	5.1	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.1	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.1	1.2	ug/kg	
110-54-3	Hexane	ND	5.1	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.1	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.1	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.5	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.6	ug/kg	
74-83-9	Methyl bromide	ND	5.1	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.1	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.1	ug/kg	
74-95-3	Methylene bromide	ND	5.1	1.5	ug/kg	
75-09-2	Methylene chloride [a]	25.5	10	5.1	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.4	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.1	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.1	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.1	ug/kg	
107-12-0	Propionitrile	ND	51	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.1	1.2	ug/kg	
100-42-5	Styrene	ND	5.1	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.1	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.1	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.1	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.1	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.1	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.1	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.1	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB29-20		
Lab Sample ID:	F61816-4	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.1	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.1	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.1	1.2	ug/kg	
108-88-3	Toluene	ND	5.1	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.1	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.1	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.1	ug/kg	
75-01-4	Vinyl chloride	ND	5.1	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.1	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		80-121%
2037-26-5	Toluene-D8	86%		71-130%
460-00-4	4-Bromofluorobenzene	102%		59-148%
17060-07-0	1,2-Dichloroethane-D4	107%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB29-20		
Lab Sample ID:	F61816-4	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	84.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086287.D	1	12/08/08	JG	11/26/08 10:55	n/a	GCD3630
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.68 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.2	3.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	82%		56-136%
98-08-8	aaa-Trifluorotoluene	82%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB29-20		
Lab Sample ID:	F61816-4	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	84.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24327.D	1	12/04/08	NY	12/03/08	OP27313	GLL908
Run #2							

	Initial Weight	Final Volume
Run #1	29.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.0	mg/kg	
	TPH (> C22-C36)	ND	10	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	82%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB29-29		
Lab Sample ID:	F61816-5	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054660.D	1	12/06/08	MM	11/26/08 10:55	n/a	VG2066
Run #2	G0054684.D	1	12/08/08	MM	11/26/08 10:55	n/a	VG2067

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.59 g	5.0 ml	50.0 ul
Run #2	5.59 g	5.0 ml	20.0 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	6300	3200	ug/kg	
75-05-8	Acetonitrile	ND	6300	2000	ug/kg	
107-02-8	Acrolein	ND	3200	1200	ug/kg	
107-13-1	Acrylonitrile	ND	3200	870	ug/kg	
107-05-1	Allyl chloride	ND	3200	630	ug/kg	
71-43-2	Benzene	7880	630	130	ug/kg	
100-44-7	Benzyl Chloride	ND	630	140	ug/kg	
108-86-1	Bromobenzene	ND	630	130	ug/kg	
74-97-5	Bromochloromethane	ND	630	210	ug/kg	
75-27-4	Bromodichloromethane	ND	630	150	ug/kg	
75-25-2	Bromoform	ND	630	190	ug/kg	
104-51-8	n-Butylbenzene	312	630	180	ug/kg	J
135-98-8	sec-Butylbenzene	1940	630	140	ug/kg	
98-06-6	tert-Butylbenzene	857	630	140	ug/kg	
108-90-7	Chlorobenzene	ND	630	130	ug/kg	
75-00-3	Chloroethane	ND	630	250	ug/kg	
67-66-3	Chloroform	ND	630	210	ug/kg	
544-10-5	1-Chlorohexane	ND	630	160	ug/kg	
95-49-8	o-Chlorotoluene	ND	630	130	ug/kg	
106-43-4	p-Chlorotoluene	ND	630	130	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	3200	1300	ug/kg	
75-15-0	Carbon disulfide	ND	630	140	ug/kg	
56-23-5	Carbon tetrachloride	ND	630	180	ug/kg	
75-34-3	1,1-Dichloroethane	ND	630	250	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	630	160	ug/kg	
563-58-6	1,1-Dichloropropene	ND	630	180	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	630	300	ug/kg	
106-93-4	1,2-Dibromoethane	ND	630	130	ug/kg	
107-06-2	1,2-Dichloroethane	ND	630	140	ug/kg	
78-87-5	1,2-Dichloropropane	ND	630	180	ug/kg	
142-28-9	1,3-Dichloropropane	ND	630	130	ug/kg	
594-20-7	2,2-Dichloropropane	ND	630	270	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB29-29		
Lab Sample ID:	F61816-5	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	630	130	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	630	250	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	630	200	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	630	160	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	3200	630	ug/kg	
541-73-1	m-Dichlorobenzene	ND	630	130	ug/kg	
95-50-1	o-Dichlorobenzene	ND	630	130	ug/kg	
106-46-7	p-Dichlorobenzene	ND	630	130	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	630	150	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	630	130	ug/kg	
100-41-4	Ethylbenzene	11200	630	130	ug/kg	
97-63-2	Ethyl methacrylate	ND	3200	630	ug/kg	
76-13-1	Freon 113	ND	630	330	ug/kg	
591-78-6	2-Hexanone	ND	3200	630	ug/kg	
87-68-3	Hexachlorobutadiene	ND	630	150	ug/kg	
110-54-3	Hexane	15800	630	300	ug/kg	
98-82-8	Isopropylbenzene	55100 [a]	1600	350	ug/kg	
99-87-6	p-Isopropyltoluene	433	630	140	ug/kg	J
108-10-1	4-Methyl-2-pentanone	ND	3200	810	ug/kg	
126-98-7	Methacrylonitrile	ND	3200	690	ug/kg	
74-83-9	Methyl bromide	ND	630	280	ug/kg	
74-87-3	Methyl chloride	ND	630	300	ug/kg	
74-88-4	Methyl iodide	ND	1300	250	ug/kg	
80-62-6	Methyl methacrylate	ND	3200	630	ug/kg	
74-95-3	Methylene bromide	ND	630	190	ug/kg	
75-09-2	Methylene chloride [b]	2730	1300	630	ug/kg	
78-93-3	Methyl ethyl ketone	ND	3200	1000	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	630	190	ug/kg	
91-20-3	Naphthalene	ND	630	250	ug/kg	
76-01-7	Pentachloroethane	ND	3200	630	ug/kg	
107-12-0	Propionitrile	ND	6300	1500	ug/kg	
103-65-1	n-Propylbenzene	3200	630	150	ug/kg	
100-42-5	Styrene	ND	630	130	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	630	130	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	630	140	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	630	230	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	630	130	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	630	250	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	630	240	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	630	250	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB29-29		
Lab Sample ID:	F61816-5	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	24900	630	130	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	12900	630	130	ug/kg	
127-18-4	Tetrachloroethylene	ND	630	150	ug/kg	
108-88-3	Toluene	1010	630	130	ug/kg	
79-01-6	Trichloroethylene	ND	630	150	ug/kg	
75-69-4	Trichlorofluoromethane	ND	630	250	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	3200	630	ug/kg	
75-01-4	Vinyl chloride	ND	630	250	ug/kg	
108-05-4	Vinyl Acetate	ND	3200	1500	ug/kg	
	m,p-Xylene	19800	1300	240	ug/kg	
95-47-6	o-Xylene	13800	630	130	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%	100%	80-121%
2037-26-5	Toluene-D8	95%	92%	71-130%
460-00-4	4-Bromofluorobenzene	99%	94%	59-148%
17060-07-0	1,2-Dichloroethane-D4	103%	105%	77-123%

(a) Result is from Run# 2
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB29-29		
Lab Sample ID:	F61816-5A	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054660.D	1	12/06/08	MM	11/26/08 10:55	n/a	VG2066
Run #2	G0054684.D	1	12/08/08	MM	11/26/08 10:55	n/a	VG2067

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.59 g	5.0 ml	50.0 ul
Run #2	5.59 g	5.0 ml	20.0 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	6400	3200	ug/kg	
75-05-8	Acetonitrile	ND	6400	2100	ug/kg	
107-02-8	Acrolein	ND	3200	1300	ug/kg	
107-13-1	Acrylonitrile	ND	3200	890	ug/kg	
107-05-1	Allyl chloride	ND	3200	640	ug/kg	
71-43-2	Benzene	8030	640	130	ug/kg	
100-44-7	Benzyl Chloride	ND	640	140	ug/kg	
108-86-1	Bromobenzene	ND	640	130	ug/kg	
74-97-5	Bromochloromethane	ND	640	220	ug/kg	
75-27-4	Bromodichloromethane	ND	640	150	ug/kg	
75-25-2	Bromoform	ND	640	190	ug/kg	
104-51-8	n-Butylbenzene	318	640	180	ug/kg	J
135-98-8	sec-Butylbenzene	1980	640	140	ug/kg	
98-06-6	tert-Butylbenzene	874	640	140	ug/kg	
108-90-7	Chlorobenzene	ND	640	130	ug/kg	
75-00-3	Chloroethane	ND	640	260	ug/kg	
67-66-3	Chloroform	ND	640	220	ug/kg	
544-10-5	1-Chlorohexane	ND	640	170	ug/kg	
95-49-8	o-Chlorotoluene	ND	640	130	ug/kg	
106-43-4	p-Chlorotoluene	ND	640	130	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	3200	1300	ug/kg	
75-15-0	Carbon disulfide	ND	640	140	ug/kg	
56-23-5	Carbon tetrachloride	ND	640	180	ug/kg	
75-34-3	1,1-Dichloroethane	ND	640	260	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	640	170	ug/kg	
563-58-6	1,1-Dichloropropene	ND	640	180	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	640	310	ug/kg	
106-93-4	1,2-Dibromoethane	ND	640	130	ug/kg	
107-06-2	1,2-Dichloroethane	ND	640	140	ug/kg	
78-87-5	1,2-Dichloropropane	ND	640	180	ug/kg	
142-28-9	1,3-Dichloropropane	ND	640	130	ug/kg	
594-20-7	2,2-Dichloropropane	ND	640	270	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB29-29		
Lab Sample ID:	F61816-5A	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	640	130	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	640	260	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	640	210	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	640	170	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	3200	640	ug/kg	
541-73-1	m-Dichlorobenzene	ND	640	130	ug/kg	
95-50-1	o-Dichlorobenzene	ND	640	130	ug/kg	
106-46-7	p-Dichlorobenzene	ND	640	130	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	640	150	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	640	130	ug/kg	
100-41-4	Ethylbenzene	11400	640	130	ug/kg	
97-63-2	Ethyl methacrylate	ND	3200	640	ug/kg	
76-13-1	Freon 113	ND	640	330	ug/kg	
591-78-6	2-Hexanone	ND	3200	640	ug/kg	
87-68-3	Hexachlorobutadiene	ND	640	150	ug/kg	
110-54-3	Hexane	16100	640	310	ug/kg	
98-82-8	Isopropylbenzene	56200 [a]	1600	350	ug/kg	
99-87-6	p-Isopropyltoluene	441	640	140	ug/kg	J
108-10-1	4-Methyl-2-pentanone	ND	3200	820	ug/kg	
126-98-7	Methacrylonitrile	ND	3200	710	ug/kg	
74-83-9	Methyl bromide	ND	640	280	ug/kg	
74-87-3	Methyl chloride	ND	640	310	ug/kg	
74-88-4	Methyl iodide	ND	1300	260	ug/kg	
80-62-6	Methyl methacrylate	ND	3200	640	ug/kg	
74-95-3	Methylene bromide	ND	640	190	ug/kg	
75-09-2	Methylene chloride [b]	2780	1300	640	ug/kg	
78-93-3	Methyl ethyl ketone	ND	3200	1100	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	640	190	ug/kg	
91-20-3	Naphthalene	ND	640	260	ug/kg	
76-01-7	Pentachloroethane	ND	3200	640	ug/kg	
107-12-0	Propionitrile	ND	6400	1500	ug/kg	
103-65-1	n-Propylbenzene	3260	640	150	ug/kg	
100-42-5	Styrene	ND	640	130	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	640	130	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	640	140	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	640	230	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	640	130	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	640	260	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	640	240	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	640	260	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB29-29		
Lab Sample ID:	F61816-5A	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	25400	640	130	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	13100	640	130	ug/kg	
127-18-4	Tetrachloroethylene	ND	640	150	ug/kg	
108-88-3	Toluene	1030	640	130	ug/kg	
79-01-6	Trichloroethylene	ND	640	150	ug/kg	
75-69-4	Trichlorofluoromethane	ND	640	260	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	3200	640	ug/kg	
75-01-4	Vinyl chloride	ND	640	260	ug/kg	
108-05-4	Vinyl Acetate	ND	3200	1500	ug/kg	
	m,p-Xylene	20100	1300	240	ug/kg	
95-47-6	o-Xylene	14100	640	130	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%	100%	80-121%
2037-26-5	Toluene-D8	95%	92%	71-130%
460-00-4	4-Bromofluorobenzene	99%	94%	59-148%
17060-07-0	1,2-Dichloroethane-D4	103%	105%	77-123%

(a) Result is from Run# 2
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB29-29		
Lab Sample ID:	F61816-5A	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	82.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045081.D	1	12/08/08	AH	11/26/08 10:55	n/a	GQR1961
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.59 g	5.0 ml	1.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	2710	640	320	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	109%		56-136%
98-08-8	aaa-Trifluorotoluene	88%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB29-29		
Lab Sample ID:	F61816-5A	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	82.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24330.D	1	12/04/08	NY	12/03/08	OP27313	GLL908
Run #2							

	Initial Weight	Final Volume
Run #1	29.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.1	mg/kg	
	TPH (> C22-C36)	ND	10	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	81%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB29-40		
Lab Sample ID:	F61816-6	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054661.D	1	12/06/08	MM	11/26/08 10:55	n/a	VG2066
Run #2	K039551.D	1	12/08/08	SH	11/26/08 10:55	n/a	VK1729

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.43 g		
Run #2	5.40 g	5.0 ml	100 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	788 [a]	350	70	ug/kg	
67-64-1	Acetone	ND	57	29	ug/kg	
75-05-8	Acetonitrile	ND	57	18	ug/kg	
107-02-8	Acrolein	ND	29	11	ug/kg	
107-13-1	Acrylonitrile	ND	29	7.9	ug/kg	
107-05-1	Allyl chloride	ND	29	5.7	ug/kg	
100-44-7	Benzyl Chloride	ND	5.7	1.3	ug/kg	
108-86-1	Bromobenzene	ND	5.7	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.7	1.9	ug/kg	
75-27-4	Bromodichloromethane	ND	5.7	1.4	ug/kg	
75-25-2	Bromoform	ND	5.7	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	5.7	1.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.7	1.3	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.7	1.3	ug/kg	
108-90-7	Chlorobenzene	ND	5.7	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.7	2.3	ug/kg	
67-66-3	Chloroform	ND	5.7	1.9	ug/kg	
544-10-5	1-Chlorohexane	ND	5.7	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.7	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.7	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	29	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.7	1.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.7	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.7	2.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.7	1.5	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.7	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.7	2.7	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.7	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	22.9	5.7	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.7	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.7	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.7	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB29-40		
Lab Sample ID:	F61816-6	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.7	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.7	2.3	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.7	1.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.7	1.5	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	29	5.7	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.7	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.7	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.7	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.7	1.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.7	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.7	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	29	5.7	ug/kg	
76-13-1	Freon 113	ND	5.7	3.0	ug/kg	
591-78-6	2-Hexanone	ND	29	5.7	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.7	1.4	ug/kg	
110-54-3	Hexane	ND	5.7	2.7	ug/kg	
98-82-8	Isopropylbenzene	21.4	5.7	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.7	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	29	7.3	ug/kg	
126-98-7	Methacrylonitrile	ND	29	6.3	ug/kg	
74-83-9	Methyl bromide	ND	5.7	2.5	ug/kg	
74-87-3	Methyl chloride	ND	5.7	2.7	ug/kg	
74-88-4	Methyl iodide	ND	11	2.3	ug/kg	
80-62-6	Methyl methacrylate	ND	29	5.7	ug/kg	
74-95-3	Methylene bromide	ND	5.7	1.7	ug/kg	
75-09-2	Methylene chloride [b]	9.9	11	5.7	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	29	9.5	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.7	1.7	ug/kg	
91-20-3	Naphthalene	ND	5.7	2.3	ug/kg	
76-01-7	Pentachloroethane	ND	29	5.7	ug/kg	
107-12-0	Propionitrile	ND	57	14	ug/kg	
103-65-1	n-Propylbenzene	ND	5.7	1.4	ug/kg	
100-42-5	Styrene	ND	5.7	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.7	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.7	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.7	2.1	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.7	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.7	2.3	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.7	2.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.7	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB29-40		
Lab Sample ID:	F61816-6	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	2.6	5.7	1.1	ug/kg	J
108-67-8	1,3,5-Trimethylbenzene	ND	5.7	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.7	1.4	ug/kg	
108-88-3	Toluene	ND	5.7	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.7	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.7	2.3	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	29	5.7	ug/kg	
75-01-4	Vinyl chloride	ND	5.7	2.3	ug/kg	
108-05-4	Vinyl Acetate	ND	29	14	ug/kg	
	m,p-Xylene	ND	11	2.2	ug/kg	
95-47-6	o-Xylene	5.9	5.7	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%	98%	80-121%
2037-26-5	Toluene-D8	86%	106%	71-130%
460-00-4	4-Bromofluorobenzene	100%	100%	59-148%
17060-07-0	1,2-Dichloroethane-D4	105%	97%	77-123%

(a) Result is from Run# 2
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB29-40		
Lab Sample ID:	F61816-6A	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	78.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054661.D	1	12/06/08	MM	11/26/08 10:55	n/a	VG2066
Run #2 [a]	G0054834.D	1	12/12/08	MM	11/26/08 10:55	n/a	VG2071

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.43 g		
Run #2	5.66 g	5.0 ml	100 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	59	29	ug/kg	
75-05-8	Acetonitrile	ND	59	19	ug/kg	
107-02-8	Acrolein	ND	29	11	ug/kg	
107-13-1	Acrylonitrile	ND	29	8.1	ug/kg	
107-05-1	Allyl chloride	ND	29	5.9	ug/kg	
71-43-2	Benzene	1220 [b]	350	70	ug/kg	
100-44-7	Benzyl Chloride	ND	5.9	1.3	ug/kg	
108-86-1	Bromobenzene	ND	5.9	1.2	ug/kg	
74-97-5	Bromochloromethane	ND	5.9	2.0	ug/kg	
75-27-4	Bromodichloromethane	ND	5.9	1.4	ug/kg	
75-25-2	Bromoform	ND	5.9	1.8	ug/kg	
104-51-8	n-Butylbenzene	ND	5.9	1.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.9	1.3	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.9	1.3	ug/kg	
108-90-7	Chlorobenzene	ND	5.9	1.2	ug/kg	
75-00-3	Chloroethane	ND	5.9	2.3	ug/kg	
67-66-3	Chloroform	ND	5.9	2.0	ug/kg	
544-10-5	1-Chlorohexane	ND	5.9	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.9	1.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.9	1.2	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	29	12	ug/kg	
75-15-0	Carbon disulfide	ND	5.9	1.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.9	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.9	2.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.9	1.5	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.9	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.9	2.8	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.9	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	23.4	5.9	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.9	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.9	1.2	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.9	2.5	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB29-40		
Lab Sample ID:	F61816-6A	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	78.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.9	1.2	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.9	2.3	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.9	1.9	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.9	1.5	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	29	5.9	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.9	1.2	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.9	1.2	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.9	1.2	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.9	1.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.9	1.2	ug/kg	
100-41-4	Ethylbenzene	ND	5.9	1.2	ug/kg	
97-63-2	Ethyl methacrylate	ND	29	5.9	ug/kg	
76-13-1	Freon 113	ND	5.9	3.0	ug/kg	
591-78-6	2-Hexanone	ND	29	5.9	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.9	1.4	ug/kg	
110-54-3	Hexane	ND	5.9	2.8	ug/kg	
98-82-8	Isopropylbenzene	21.9	5.9	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.9	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	29	7.5	ug/kg	
126-98-7	Methacrylonitrile	ND	29	6.4	ug/kg	
74-83-9	Methyl bromide	ND	5.9	2.6	ug/kg	
74-87-3	Methyl chloride	ND	5.9	2.8	ug/kg	
74-88-4	Methyl iodide	ND	12	2.3	ug/kg	
80-62-6	Methyl methacrylate	ND	29	5.9	ug/kg	
74-95-3	Methylene bromide	ND	5.9	1.8	ug/kg	
75-09-2	Methylene chloride	10.2	12	5.9	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	29	9.7	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.9	1.8	ug/kg	
91-20-3	Naphthalene	ND	5.9	2.3	ug/kg	
76-01-7	Pentachloroethane	ND	29	5.9	ug/kg	
107-12-0	Propionitrile	ND	59	14	ug/kg	
103-65-1	n-Propylbenzene	ND	5.9	1.4	ug/kg	
100-42-5	Styrene	ND	5.9	1.2	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.9	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.9	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.9	2.1	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.9	1.2	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.9	2.3	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.9	2.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.9	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB29-40		
Lab Sample ID:	F61816-6A	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	78.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	2.6	5.9	1.2	ug/kg	J
108-67-8	1,3,5-Trimethylbenzene	ND	5.9	1.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.9	1.4	ug/kg	
108-88-3	Toluene	ND	5.9	1.2	ug/kg	
79-01-6	Trichloroethylene	ND	5.9	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.9	2.3	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	29	5.9	ug/kg	
75-01-4	Vinyl chloride	ND	5.9	2.3	ug/kg	
108-05-4	Vinyl Acetate	ND	29	14	ug/kg	
	m,p-Xylene	ND	12	2.2	ug/kg	
95-47-6	o-Xylene	6.1	5.9	1.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%	91%	80-121%
2037-26-5	Toluene-D8	86%	93%	71-130%
460-00-4	4-Bromofluorobenzene	100%	89%	59-148%
17060-07-0	1,2-Dichloroethane-D4	105%	98%	77-123%

(a) Sample re-analyzed beyond hold time; reported results are considered minimum values.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB29-40		
Lab Sample ID:	F61816-6A	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	78.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045082.D	1	12/08/08	AH	11/26/08 10:55	n/a	GQR1961
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.66 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.0	3.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	88%		56-136%
98-08-8	aaa-Trifluorotoluene	78%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB29-40		
Lab Sample ID:	F61816-6A	**Date Sampled:**	11/24/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	78.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24331.D	1	12/04/08	NY	12/03/08	OP27313	GLL908
Run #2							

	Initial Weight	Final Volume
Run #1	29.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	11	6.4	mg/kg	
	TPH (> C22-C36)	ND	11	6.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	78%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61816-7	**Date Sampled:**	11/24/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/26/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054662.D	1	12/06/08	MM	n/a	n/a	VG2066
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61816-7	**Date Sampled:**	11/24/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/26/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride [a]	6.3	10	5.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61816-7	**Date Sampled:**	11/24/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/26/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		80-121%
2037-26-5	Toluene-D8	84%		71-130%
460-00-4	4-Bromofluorobenzene	102%		59-148%
17060-07-0	1,2-Dichloroethane-D4	109%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

F61816

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

Page 1 of 1

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number [1]: 11-25-2008-1

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Zack Beck/Greg Kinsman

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)						Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
	Sample Analysis Requested [5]																		Quality Assurance Samples [6]			
1	SS61-SB28-20	SS61-SB28	24-11-2008	1300	18-20	N	01	SO	5	X	X	X										1
2	SS61-SB28-28	SS61-SB28	24-11-2008	1315	26-28	N	01	SO	5	X	X	X										1
3	SS61-SB28-35	SS61-SB28	24-11-2008	1330	33-35	N	01	SO	5	X	X	X										1
4	SS61-SB29-20	SS61-SB29	24-11-2008	1545	18-20	N	01	SO	5	X	X	X										1
5	SS61-SB29-29	SS61-SB29	24-11-2008	1600	27-29	N	01	SO	5	X	X	X										1
6	SS61-SB29-40	SS61-SB29	24-11-2008	1615	38-40	N	01	SO	5	X	X	X										1
7	Trip Blank				-	TB		WQ	3	X												1
					-																	
					-																	
					-																	
					-																	

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

~~XX~~ RUSH VOC Analysis for samples SS61-SB29-29 and SS61-SB29-40

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time		Received by (signed)	Date	Time
1.	JH Morse	11/25/08	1400	1.	XX		
2.	XX	11/26/08	9:00	2.			
3.				3.			

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: _____ Shipped No.: _____

Method of Shipment: _____ Airbill Number: _____

Analytical Lab: Accutest Laboratories Delivery Location: _____

Lab Recipient: _____ Delivery Date/Time: _____

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-t) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

2.0

4.1 4

F61816: Chain of Custody

Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61816 CLIENT: BHATE PROJECT: SS-61

DATE/TIME RECEIVED: 11/26/08 9:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.0

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8651 5824 0430

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [X] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 24

NUMBER OF 5035 FIELD KITS ? 1 TB

NUMBER OF LAB FILTERED METALS ? Ø

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE CR 11/26/08 TECHNICIAN SIGNATURE/DATE JC 11-26-08 ASBD 12/17/07

4.1 4

F61816: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61816
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2066-MB	G0054653.D	1	12/06/08	MM	n/a	n/a	VG2066

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61816-1, F61816-2, F61816-3, F61816-4, F61816-5, F61816-6, F61816-7, F61816-5A, F61816-6A

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61816
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2066-MB	G0054653.D	1	12/06/08	MM	n/a	n/a	VG2066

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61816-1, F61816-2, F61816-3, F61816-4, F61816-5, F61816-6, F61816-7, F61816-5A, F61816-6A

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	2.4	5.0	1.2	ug/kg	J
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	5.7	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	4.0	5.0	2.0	ug/kg	J

Method Blank Summary

Job Number: F61816
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2066-MB	G0054653.D	1	12/06/08	MM	n/a	n/a	VG2066

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61816-1, F61816-2, F61816-3, F61816-4, F61816-5, F61816-6, F61816-7, F61816-5A, F61816-6A

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
1330-20-7	Xylene (total)	ND	15	2.9	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	104%	80-121%
2037-26-5	Toluene-D8	88%	71-130%
460-00-4	4-Bromofluorobenzene	94%	59-148%
17060-07-0	1,2-Dichloroethane-D4	107%	77-123%

Method Blank Summary

Job Number: F61816
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2067-MB	G0054678.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61816-2, F61816-5, F61816-5A

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	80-121%
2037-26-5	Toluene-D8	88%	71-130%
460-00-4	4-Bromofluorobenzene	94%	59-148%
17060-07-0	1,2-Dichloroethane-D4	102%	77-123%

Method Blank Summary

Job Number: F61816
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VK1729-MB	K039533.D	1	12/08/08	SH	n/a	n/a	VK1729

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61816-6

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	92%	80-121%
2037-26-5	Toluene-D8	99%	71-130%
460-00-4	4-Bromofluorobenzene	108%	59-148%
17060-07-0	1,2-Dichloroethane-D4	81%	77-123%

Method Blank Summary

Job Number: F61816
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2071-MB	G0054811.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61816-6A

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	80-121%
2037-26-5	Toluene-D8	91%	71-130%
460-00-4	4-Bromofluorobenzene	92%	59-148%
17060-07-0	1,2-Dichloroethane-D4	100%	77-123%

Blank Spike Summary

Job Number: F61816
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2066-BS	G0054651.D	1	12/06/08	MM	n/a	n/a	VG2066

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61816-1, F61816-2, F61816-3, F61816-4, F61816-5, F61816-6, F61816-7, F61816-5A, F61816-6A

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	101	40*	61-144
75-05-8	Acetonitrile	500	394	79	59-139
107-02-8	Acrolein	250	41.4	17*	27-156
107-13-1	Acrylonitrile	250	244	98	55-144
107-05-1	Allyl chloride	50	49.6	99	41-152
71-43-2	Benzene	50	50.1	100	78-130
100-44-7	Benzyl Chloride	50	40.6	81	74-130
108-86-1	Bromobenzene	50	51.1	102	78-123
74-97-5	Bromochloromethane	50	39.3	79	72-122
75-27-4	Bromodichloromethane	50	44.2	88	73-122
75-25-2	Bromoform	50	37.7	75	70-139
104-51-8	n-Butylbenzene	50	58.3	117	80-138
135-98-8	sec-Butylbenzene	50	57.5	115	82-132
98-06-6	tert-Butylbenzene	50	56.3	113	79-130
108-90-7	Chlorobenzene	50	48.8	98	83-122
75-00-3	Chloroethane	50	43.7	87	61-153
67-66-3	Chloroform	50	49.7	99	79-129
544-10-5	1-Chlorohexane	50	43.9	88	85-137
95-49-8	o-Chlorotoluene	50	55.1	110	77-123
106-43-4	p-Chlorotoluene	50	54.0	108	78-129
110-75-8	2-Chloroethyl vinyl ether	250	245	98	52-142
75-15-0	Carbon disulfide	50	38.5	77	61-142
56-23-5	Carbon tetrachloride	50	47.7	95	79-135
75-34-3	1,1-Dichloroethane	50	48.5	97	77-132
75-35-4	1,1-Dichloroethylene	50	46.5	93	66-132
563-58-6	1,1-Dichloropropene	50	47.2	94	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	47.8	96	67-129
106-93-4	1,2-Dibromoethane	50	39.3	79	77-126
107-06-2	1,2-Dichloroethane	50	41.3	83	78-129
78-87-5	1,2-Dichloropropane	50	47.1	94	74-127
142-28-9	1,3-Dichloropropane	50	40.3	81	78-118
594-20-7	2,2-Dichloropropane	50	55.5	111	80-137
124-48-1	Dibromochloromethane	50	36.6	73*	78-117
75-71-8	Dichlorodifluoromethane	50	39.0	78	35-162
156-59-2	cis-1,2-Dichloroethylene	50	45.2	90	74-123
10061-01-5	cis-1,3-Dichloropropene	50	45.7	91	79-130

Blank Spike Summary

Job Number: F61816
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2066-BS	G0054651.D	1	12/06/08	MM	n/a	n/a	VG2066

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61816-1, F61816-2, F61816-3, F61816-4, F61816-5, F61816-6, F61816-7, F61816-5A, F61816-6A

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	40.1	80	71-126
541-73-1	m-Dichlorobenzene	50	53.5	107	82-126
95-50-1	o-Dichlorobenzene	50	53.0	106	83-123
106-46-7	p-Dichlorobenzene	50	52.9	106	84-124
156-60-5	trans-1,2-Dichloroethylene	50	47.1	94	77-129
10061-02-6	trans-1,3-Dichloropropene	50	47.5	95	87-131
100-41-4	Ethylbenzene	50	49.6	99	82-124
97-63-2	Ethyl methacrylate	50	37.1	74*	78-118
76-13-1	Freon 113	50	68.4	137	62-147
591-78-6	2-Hexanone	250	165	66*	67-130
87-68-3	Hexachlorobutadiene	50	72.1	144	77-150
110-54-3	Hexane	50	49.9	100	65-147
98-82-8	Isopropylbenzene	50	52.9	106	82-133
99-87-6	p-Isopropyltoluene	50	58.0	116	82-132
108-10-1	4-Methyl-2-pentanone	250	186	74	69-125
126-98-7	Methacrylonitrile	500	342	68*	70-138
74-83-9	Methyl bromide	50	45.8	92	60-146
74-87-3	Methyl chloride	50	45.9	92	58-163
74-88-4	Methyl iodide	50	38.8	78	66-128
80-62-6	Methyl methacrylate	50	33.5	67*	73-125
74-95-3	Methylene bromide	50	40.4	81	75-128
75-09-2	Methylene chloride	50	49.4	99	62-140
78-93-3	Methyl ethyl ketone	250	122	49*	66-134
1634-04-4	Methyl Tert Butyl Ether	50	38.7	77	70-131
91-20-3	Naphthalene	50	55.2	110	59-143
76-01-7	Pentachloroethane	50	51.6	103	64-156
107-12-0	Propionitrile	500	320	64*	73-133
103-65-1	n-Propylbenzene	50	55.4	111	78-129
100-42-5	Styrene	50	49.6	99	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	46.7	93	81-121
71-55-6	1,1,1-Trichloroethane	50	49.5	99	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	44.0	88	70-128
79-00-5	1,1,2-Trichloroethane	50	42.3	85	76-118
87-61-6	1,2,3-Trichlorobenzene	50	64.9	130	78-136
96-18-4	1,2,3-Trichloropropane	50	36.8	74	74-125
120-82-1	1,2,4-Trichlorobenzene	50	66.3	133	82-137

Blank Spike Summary

Job Number: F61816
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2066-BS	G0054651.D	1	12/06/08	MM	n/a	n/a	VG2066

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61816-1, F61816-2, F61816-3, F61816-4, F61816-5, F61816-6, F61816-7, F61816-5A, F61816-6A

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	56.4	113	77-129
108-67-8	1,3,5-Trimethylbenzene	50	56.2	112	79-129
127-18-4	Tetrachloroethylene	50	49.1	98	79-132
108-88-3	Toluene	50	48.2	96	80-123
79-01-6	Trichloroethylene	50	47.3	95	78-132
75-69-4	Trichlorofluoromethane	50	48.4	97	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	87.7	175*	74-138
75-01-4	Vinyl chloride	50	42.4	85	60-145
108-05-4	Vinyl Acetate	250	311	124	25-164
1330-20-7	Xylene (total)	150	154	103	83-127
	m,p-Xylene	100	103	103	82-128
95-47-6	o-Xylene	50	50.5	101	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	80-121%
2037-26-5	Toluene-D8	99%	71-130%
460-00-4	4-Bromofluorobenzene	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	87%	77-123%

Blank Spike Summary

Job Number: F61816
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VK1729-BS	K039534.D	1	12/08/08	SH	n/a	n/a	VK1729

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61816-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	47.2	94	78-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	95%	80-121%
2037-26-5	Toluene-D8	108%	71-130%
460-00-4	4-Bromofluorobenzene	108%	59-148%
17060-07-0	1,2-Dichloroethane-D4	86%	77-123%

Blank Spike Summary

Job Number: F61816
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2067-BS	G0054692.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61816-2, F61816-5, F61816-5A

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
98-82-8	Isopropylbenzene	50	57.8	116	82-133

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	80-121%
2037-26-5	Toluene-D8	98%	71-130%
460-00-4	4-Bromofluorobenzene	95%	59-148%
17060-07-0	1,2-Dichloroethane-D4	95%	77-123%

Blank Spike Summary

Job Number: F61816
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2071-BS	G0054810.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61816-6A

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	53.0	106	78-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	80-121%
2037-26-5	Toluene-D8	97%	71-130%
460-00-4	4-Bromofluorobenzene	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	87%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61816
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61816-1MS	G0054655.D	1	12/06/08	MM	n/a	n/a	VG2066
F61816-1MSD	G0054656.D	1	12/06/08	MM	n/a	n/a	VG2066
F61816-1	G0054654.D	1	12/06/08	MM	n/a	n/a	VG2066

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61816-1, F61816-2, F61816-3, F61816-4, F61816-5, F61816-6, F61816-7, F61816-5A, F61816-6A

CAS No.	Compound	F61816-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		312	87.1	28*	134	43*	42*	61-144/29
75-05-8	Acetonitrile	ND		625	557	89	637	103	13	59-139/30
107-02-8	Acrolein	ND		312	22.6	7*	15.5	5*	37	27-156/39
107-13-1	Acrylonitrile	ND		312	331	106	366	118	10	55-144/24
107-05-1	Allyl chloride	ND		62.5	69.2	111	69.2	112	0	41-152/24
71-43-2	Benzene	9.0		62.5	66.2	92	64.6	90	2	78-130/25
100-44-7	Benzyl Chloride	ND		62.5	42.8	69*	42.9	69*	0	74-130/28
108-86-1	Bromobenzene	ND		62.5	66.3	106	64.5	104	3	78-123/30
74-97-5	Bromochloromethane	ND		62.5	54.4	87	55.5	90	2	72-122/23
75-27-4	Bromodichloromethane	ND		62.5	62.0	99	62.9	102	1	73-122/25
75-25-2	Bromoform	ND		62.5	57.3	92	56.7	92	1	70-139/26
104-51-8	n-Butylbenzene	ND		62.5	68.7	110	66.1	107	4	80-138/31
135-98-8	sec-Butylbenzene	ND		62.5	71.2	114	66.4	107	7	82-132/29
98-06-6	tert-Butylbenzene	ND		62.5	69.5	111	66.3	107	5	79-130/29
108-90-7	Chlorobenzene	ND		62.5	63.7	102	61.9	100	3	83-122/23
75-00-3	Chloroethane	ND		62.5	60.4	97	55.7	90	8	61-153/31
67-66-3	Chloroform	ND		62.5	66.7	107	66.5	107	0	79-129/27
544-10-5	1-Chlorohexane	ND		62.5	52.6	84*	50.1	81*	5	85-137/29
95-49-8	o-Chlorotoluene	ND		62.5	68.4	110	63.4	102	8	77-123/31
106-43-4	p-Chlorotoluene	ND		62.5	68.1	109	63.8	103	7	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		312	379	121	410	132	8	52-142/25
75-15-0	Carbon disulfide	ND		62.5	56.1	90	53.9	87	4	61-142/27
56-23-5	Carbon tetrachloride	ND		62.5	69.6	111	66.3	107	5	79-135/29
75-34-3	1,1-Dichloroethane	ND		62.5	66.5	106	66.2	107	0	77-132/26
75-35-4	1,1-Dichloroethylene	ND		62.5	65.8	105	64.6	104	2	66-132/27
563-58-6	1,1-Dichloropropene	ND		62.5	65.6	105	66.1	107	1	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		62.5	65.1	104	72.9	118	11	67-129/29
106-93-4	1,2-Dibromoethane	ND		62.5	56.7	91	56.6	91	0	77-126/24
107-06-2	1,2-Dichloroethane	ND		62.5	57.9	93	60.7	98	5	78-129/24
78-87-5	1,2-Dichloropropane	ND		62.5	62.0	99	64.6	104	4	74-127/27
142-28-9	1,3-Dichloropropane	ND		62.5	57.6	92	57.3	93	1	78-118/26
594-20-7	2,2-Dichloropropane	ND		62.5	66.2	106	64.0	103	3	80-137/28
124-48-1	Dibromochloromethane	ND		62.5	54.5	87	52.9	85	3	78-117/27
75-71-8	Dichlorodifluoromethane	ND		62.5	55.2	88	53.8	87	3	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		62.5	61.1	98	59.6	96	2	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		62.5	62.4	100	63.2	102	1	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61816
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61816-1MS	G0054655.D	1	12/06/08	MM	n/a	n/a	VG2066
F61816-1MSD	G0054656.D	1	12/06/08	MM	n/a	n/a	VG2066
F61816-1	G0054654.D	1	12/06/08	MM	n/a	n/a	VG2066

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61816-1, F61816-2, F61816-3, F61816-4, F61816-5, F61816-6, F61816-7, F61816-5A, F61816-6A

CAS No.	Compound	F61816-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		62.5	60.2	96	58.4	94	3	71-126/28
541-73-1	m-Dichlorobenzene	ND		62.5	68.9	110	65.1	105	6	82-126/29
95-50-1	o-Dichlorobenzene	ND		62.5	67.5	108	66.4	107	2	83-123/28
106-46-7	p-Dichlorobenzene	ND		62.5	68.7	110	67.5	109	2	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		62.5	64.9	104	64.7	104	0	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		62.5	65.2	104	63.8	103	2	87-131/27
100-41-4	Ethylbenzene	ND		62.5	65.4	105	61.7	100	6	82-124/25
97-63-2	Ethyl methacrylate	ND		62.5	60.0	96	60.7	98	1	78-118/30
76-13-1	Freon 113	ND		62.5	87.7	140	52.8	85	50*	62-147/29
591-78-6	2-Hexanone	ND		312	246	79	254	82	3	67-130/29
87-68-3	Hexachlorobutadiene	ND		62.5	77.2	124	95.5	154*	21	77-150/36
110-54-3	Hexane	ND		62.5	43.3	69	45.0	73	4	65-147/27
98-82-8	Isopropylbenzene	3.9	J	62.5	68.9	104	65.2	99	6	82-133/27
99-87-6	p-Isopropyltoluene	ND		62.5	71.6	115	68.3	110	5	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		312	296	95	311	100	5	69-125/24
126-98-7	Methacrylonitrile	ND		625	565	90	621	100	9	70-138/22
74-83-9	Methyl bromide	ND		62.5	60.4	97	57.4	93	5	60-146/31
74-87-3	Methyl chloride	ND		62.5	60.1	96	59.8	97	1	58-163/26
74-88-4	Methyl iodide	ND		62.5	51.7	83	51.4	83	1	66-128/27
80-62-6	Methyl methacrylate	ND		62.5	59.3	95	60.9	98	3	73-125/24
74-95-3	Methylene bromide	ND		62.5	60.2	96	62.9	102	4	75-128/26
75-09-2	Methylene chloride	7.3	J	62.5	60.5	85	62.7	89	4	62-140/25
78-93-3	Methyl ethyl ketone	ND		312	171	55*	195	63*	13	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		62.5	56.6	91	62.1	100	9	70-131/25
91-20-3	Naphthalene	ND		62.5	59.4	95	192	310*	105*	59-143/31
76-01-7	Pentachloroethane	ND		62.5	66.2	106	62.8	101	5	64-156/37
107-12-0	Propionitrile	ND		625	510	82	609	98	18	73-133/23
103-65-1	n-Propylbenzene	ND		62.5	70.1	112	65.3	105	7	78-129/29
100-42-5	Styrene	ND		62.5	62.1	99	61.0	98	2	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		62.5	62.2	100	60.0	97	4	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		62.5	68.5	110	67.7	109	1	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		62.5	63.0	101	63.2	102	0	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		62.5	58.3	93	58.2	94	0	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		62.5	59.6	95	125	202*	71*	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		62.5	54.8	88	55.3	89	1	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		62.5	69.0	110	188	304*	93*	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61816
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61816-1MS	G0054655.D	1	12/06/08	MM	n/a	n/a	VG2066
F61816-1MSD	G0054656.D	1	12/06/08	MM	n/a	n/a	VG2066
F61816-1	G0054654.D	1	12/06/08	MM	n/a	n/a	VG2066

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61816-1, F61816-2, F61816-3, F61816-4, F61816-5, F61816-6, F61816-7, F61816-5A, F61816-6A

CAS No.	Compound	F61816-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		62.5	70.5	113	66.4	107	6	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		62.5	69.7	112	65.9	106	6	79-129/31
127-18-4	Tetrachloroethylene	ND		62.5	70.6	113	67.9	110	4	79-132/27
108-88-3	Toluene	ND		62.5	62.9	101	60.0	97	5	80-123/26
79-01-6	Trichloroethylene	ND		62.5	64.7	104	64.7	104	0	78-132/28
75-69-4	Trichlorofluoromethane	ND		62.5	68.6	110	65.6	106	4	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		62.5	119	191*	122	197*	2	74-138/30
75-01-4	Vinyl chloride	ND		62.5	58.8	94	57.4	93	2	60-145/29
108-05-4	Vinyl Acetate	ND		312	79.1	25	80.9	26	2	25-164/35
1330-20-7	Xylene (total)	ND		187	200	107	191	103	5	83-127/24
	m,p-Xylene	ND		125	135	108	128	103	5	82-128/25
95-47-6	o-Xylene	ND		62.5	65.4	105	63.0	102	4	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61816-1	Limits
1868-53-7	Dibromofluoromethane	100%	104%	107%	80-121%
2037-26-5	Toluene-D8	98%	96%	85%	71-130%
460-00-4	4-Bromofluorobenzene	99%	96%	100%	59-148%
17060-07-0	1,2-Dichloroethane-D4	98%	104%	106%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61816
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61902-1MS	G0054687.D	1	12/08/08	MM	n/a	n/a	VG2067
F61902-1MSD	G0054688.D	1	12/08/08	MM	n/a	n/a	VG2067
F61902-1	G0054686.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61816-2, F61816-5, F61816-5A

CAS No.	Compound	F61902-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
98-82-8	Isopropylbenzene	ND		60.2	57.7	96	59.2	94	3	82-133/27

CAS No.	Surrogate Recoveries	MS	MSD	F61902-1	Limits
1868-53-7	Dibromofluoromethane	100%	101%	103%	80-121%
2037-26-5	Toluene-D8	97%	93%	88%	71-130%
460-00-4	4-Bromofluorobenzene	94%	93%	93%	59-148%
17060-07-0	1,2-Dichloroethane-D4	93%	94%	102%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61816
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62031-2MS	K039546.D	1	12/08/08	SH	n/a	n/a	VK1729
F62031-2MSD	K039547.D	1	12/08/08	SH	n/a	n/a	VK1729
F62031-2	K039545.D	1	12/08/08	SH	n/a	n/a	VK1729

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61816-6

CAS No.	Compound	F62031-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	2.0	J	58.5	50.8	83	56.0	94	10	78-130/25

CAS No.	Surrogate Recoveries	MS	MSD	F62031-2	Limits
1868-53-7	Dibromofluoromethane	92%	102%	99%	80-121%
2037-26-5	Toluene-D8	99%	109%	100%	71-130%
460-00-4	4-Bromofluorobenzene	104%	105%	104%	59-148%
17060-07-0	1,2-Dichloroethane-D4	82%	84%	90%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61816
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61975-4MS	G0054817.D	1	12/12/08	MM	n/a	n/a	VG2071
F61975-4MSD	G0054818.D	1	12/12/08	MM	n/a	n/a	VG2071
F61975-4	G0054816.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61816-6A

CAS No.	Compound	F61975-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		61.1	66.2	108	59.0	99	12	78-130/25

CAS No.	Surrogate Recoveries	MS	MSD	F61975-4	Limits
1868-53-7	Dibromofluoromethane	95%	95%	95%	80-121%
2037-26-5	Toluene-D8	99%	105%	94%	71-130%
460-00-4	4-Bromofluorobenzene	97%	97%	93%	59-148%
17060-07-0	1,2-Dichloroethane-D4	90%	92%	98%	77-123%

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61816
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3630-MB	CD086283.D	1	12/08/08	JG	n/a	n/a	GCD3630

The QC reported here applies to the following samples: **Method:** SW846 8015

F61816-1, F61816-4

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	80%	56-136%
98-08-8	aaa-Trifluorotoluene	84%	61-121%

Method Blank Summary

Job Number: F61816
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1961-MB	QR045077.D	1	12/08/08	AH	n/a	n/a	GQR1961

The QC reported here applies to the following samples: **Method:** SW846 8015

F61816-2, F61816-3, F61816-5A, F61816-6A

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	86%	56-136%
98-08-8	aaa-Trifluorotoluene	78%	61-121%

Blank Spike Summary

Job Number: F61816
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3630-BS	CD086282.D	1	12/08/08	JG	n/a	n/a	GCD3630

The QC reported here applies to the following samples: **Method:** SW846 8015

F61816-1, F61816-4

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	20.0	100	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	109%	56-136%
98-08-8	aaa-Trifluorotoluene	93%	61-121%

Blank Spike Summary

Job Number: F61816
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1961-BS	QR045076.D	1	12/08/08	AH	n/a	n/a	GQR1961

The QC reported here applies to the following samples: **Method:** SW846 8015

F61816-2, F61816-3, F61816-5A, F61816-6A

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	16.8	84	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	103%	56-136%
98-08-8	aaa-Trifluorotoluene	93%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61816
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61816-1MS	CD086290.D	1	12/08/08	JG	n/a	n/a	GCD3630
F61816-1MSD	CD086291.D	1	12/08/08	JG	n/a	n/a	GCD3630
F61816-1	CD086284.D	1	12/08/08	JG	n/a	n/a	GCD3630

The QC reported here applies to the following samples: **Method:** SW846 8015

F61816-1, F61816-4

CAS No.	Compound	F61816-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		25.4	24.8	98	26.6	105	7	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61816-1	Limits
460-00-4	4-Bromofluorobenzene	111%	114%	84%	56-136%
98-08-8	aaa-Trifluorotoluene	99%	103%	82%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61816
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61902-1MS	QR045095.D	1	12/08/08	AH	n/a	n/a	GQR1961
F61902-1MSD	QR045096.D	1	12/08/08	AH	n/a	n/a	GQR1961
F61902-1	QR045079.D	1	12/08/08	AH	n/a	n/a	GQR1961

The QC reported here applies to the following samples: **Method:** SW846 8015

F61816-2, F61816-3, F61816-5A, F61816-6A

CAS No.	Compound	F61902-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	4.43	J	27.4	25.7	78	26.7	81	4	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61902-1	Limits
460-00-4	4-Bromofluorobenzene	103%	102%	83%	56-136%
98-08-8	aaa-Trifluorotoluene	91%	89%	71%	61-121%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61816
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27313-MB	LL24319.D	1	12/04/08	NY	12/03/08	OP27313	GLL908

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61816-1, F61816-2, F61816-3, F61816-4, F61816-5A, F61816-6A

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	90%	49-108%

Blank Spike Summary

Job Number: F61816
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27313-BS	LL24318.D	1	12/04/08	NY	12/03/08	OP27313	GLL908

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61816-1, F61816-2, F61816-3, F61816-4, F61816-5A, F61816-6A

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	27.4	82	64-102
	TPH (> C22-C36)	33.3	31.2	94	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	87%	49-108%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61816
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27313-MS	LL24325.D	1	12/04/08	NY	12/03/08	OP27313	GLL908
OP27313-MSD	LL24326.D	1	12/04/08	NY	12/03/08	OP27313	GLL908
F61816-3	LL24324.D	1	12/04/08	NY	12/03/08	OP27313	GLL908

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61816-1, F61816-2, F61816-3, F61816-4, F61816-5A, F61816-6A

CAS No.	Compound	F61816-3 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		37	31.4	85	28.3	76	10	64-102/32
	TPH (> C22-C36)	ND		37	36.7	99	31.8	85	14	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F61816-3	Limits
84-15-1	o-Terphenyl	88%	83%	76%	49-108%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/16/08

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F61817

Sampling Date: 11/25/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **86**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Sections: 1 2 3 4 5 6 7

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F61817-1: SS61-SB30-26 7
3.2: F61817-2: SS61-SB30-30 12
3.3: F61817-3: SS61-SB30-30-a 17
3.4: F61817-4: SS61-SB30-37 22
3.5: F61817-5: SS61-SB31-25 27
3.6: F61817-6: SS61-SB31-32 32
3.7: F61817-7: SS61-SB31-40 37
3.8: F61817-8: TRIP BLANK 42
Section 4: Misc. Forms **45**
4.1: Chain of Custody 46
Section 5: GC/MS Volatiles - QC Data Summaries **48**
5.1: Method Blank Summary 49
5.2: Blank Spike Summary 58
5.3: Matrix Spike/Matrix Spike Duplicate Summary 67
Section 6: GC Volatiles - QC Data Summaries **76**
6.1: Method Blank Summary 77
6.2: Blank Spike Summary 79
6.3: Matrix Spike/Matrix Spike Duplicate Summary 81
Section 7: GC Semi-volatiles - QC Data Summaries **83**
7.1: Method Blank Summary 84
7.2: Blank Spike Summary 85
7.3: Matrix Spike/Matrix Spike Duplicate Summary 86

Sample Summary

North Wind, Inc

Job No: F61817

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F61817-1	11/25/08	09:30	JHM	11/26/08	SO	Soil	SS61-SB30-26
F61817-2	11/25/08	09:45	JHM	11/26/08	SO	Soil	SS61-SB30-30
F61817-3	11/25/08	09:45	JHM	11/26/08	SO	Soil	SS61-SB30-30-a
F61817-4	11/25/08	10:00	JHM	11/26/08	SO	Soil	SS61-SB30-37
F61817-5	11/25/08	10:15	JHM	11/26/08	SO	Soil	SS61-SB31-25
F61817-6	11/25/08	11:30	JHM	11/26/08	SO	Soil	SS61-SB31-32
F61817-7	11/25/08	11:40	JHM	11/26/08	SO	Soil	SS61-SB31-40
F61817-8	11/25/08	00:00	JHM	11/26/08	SO	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F61817

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/15/2008 4:47:45

7 Samples, 1 Trip Blank were collected on 11/25/2008 and received at Accutest on 11/26/2008 properly preserved, at 2 Deg. C and intact. These Samples received an Accutest job number of F61817. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2066

All samples were analyzed within the recommended method holding time.

Sample(s) F61816-1MS, F61816-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for 2-Hexanone, Acetone, Acrolein, Dibromochloromethane, Ethyl methacrylate, Methacrylonitrile, Methyl ethyl ketone, Methyl methacrylate, Propionitrile, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for 1-Chlorohexane, Acetone, Acrolein, Benzyl Chloride, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1-Chlorohexane, Acetone, Acrolein, Benzyl Chloride, Hexachlorobutadiene, Methyl ethyl ketone, Naphthalene, Trans-1,4-Dichloro-2-Butene are outside control limits. Probable cause due to matrix interference.

RPD(s) for MSD for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Acetone, Freon 113, Naphthalene are outside control limits for sample F61816-1MSD. Probable cause due to sample homogeneity.

F61817-1 for Methylene chloride: Suspected laboratory contaminant.

F61817-6 for Methylene chloride: Suspected laboratory contaminant.

F61817-6 for Naphthalene: I-Cal not valid for this compound.

Matrix: SO **Batch ID:** VG2067

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61902-1MS, F61902-1MSD were used as the QC samples indicated.

Blank Spike Recovery(s) for 1,2,4-Trichlorobenzene, 2,2-Dichloropropane, Acrolein, Freon 113, Hexachlorobutadiene, Naphthalene, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1-Chlorohexane, 2-Hexanone, Acetone, Acrolein, Benzyl Chloride, Carbon tetrachloride, Dibromochloromethane, Ethyl methacrylate, Hexachlorobutadiene, Methyl ethyl ketone, Naphthalene, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,2-Dibromoethane, 1,3-Dichloropropane, 1-Chlorohexane, 2-Hexanone, Acetone, Acrolein, Benzyl Chloride, Dibromochloromethane, Ethyl methacrylate, Hexachlorobutadiene, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

F61817-8 for Methylene chloride: Suspected laboratory contaminant.

F61817-2 for Methylene chloride: Suspected laboratory contaminant.

Matrix: SO **Batch ID:** VG2068

All method blanks for this batch meet method specific criteria.

Sample(s) F61934-1MS, F61934-1MSD were used as the QC samples indicated.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2068

The following samples were run outside of holding time for method SW846 8260B: F61817-5, F61817-7

Blank Spike Recovery(s) for 1,2,4-Trichlorobenzene, Acetone, Methyl ethyl ketone, Propionitrile, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for 1,1-Dichloroethylene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene,

1,2-Dibromo-3-chloropropane, 1-Chlorohexane, Acetone, Acrolein, Benzyl Chloride, Carbon disulfide, Chloroethane, Ethyl methacrylate, Freon 113, Hexachlorobutadiene, Methyl bromide, Methyl ethyl ketone, Methyl iodide, Naphthalene, Trans-1,4-Dichloro-2-Butene, Trichlorofluoromethane, Vinyl Acetate, Vinyl chloride are outside control limits. Probable cause

Matrix Spike Duplicate Recovery(s) for 1,1-Dichloroethylene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, 1-Chlorohexane, Acetone, Acrolein, Benzyl Chloride, Carbon disulfide, Chloroethane, Ethyl methacrylate, Hexachlorobutadiene, Methyl bromide, Methyl chloride, Methyl ethyl ketone, Methyl iodide, Naphthalene, Trans-1,4-Dichloro-2-Butene, Trichlorofluoromethane, Vinyl Acetate, Vinyl chloride are outside control limits. Probable cause due to matrix interference.

RPD(s) for MSD for 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, Acrolein, Freon 113, Hexachlorobutadiene are outside control limits for sample F61934-1MSD. Probable cause due to sample homogeneity.

F61817-7 for Methylene chloride: Suspected laboratory contaminant.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GCD3630

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61816-1MS, F61816-1MSD were used as the QC samples indicated.

Matrix: SO **Batch ID:** GCD3631

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61879-3MS, F61879-3MSD were used as the QC samples indicated.

Extractables by GC By Method SW846 8015 M

Matrix: SO **Batch ID:** OP27313

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F61816-3MS, F61816-3MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Wet Chemistry By Method SM19 2540B M

Matrix: SO **Batch ID:** GN32990

Sample(s) F61785-1DUP were used as the QC samples for Solids, Percent.

Matrix: SO **Batch ID:** GN32991

Sample(s) F61817-4DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: December 15, 2008

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-SB30-26		
Lab Sample ID:	F61817-1	**Date Sampled:**	11/25/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	88.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054664.D	1	12/06/08	MM	11/26/08 12:45	n/a	VG2066
Run #2							

	Initial Weight
Run #1	6.00 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	47	23	ug/kg	
75-05-8	Acetonitrile	ND	47	15	ug/kg	
107-02-8	Acrolein	ND	23	9.2	ug/kg	
107-13-1	Acrylonitrile	ND	23	6.5	ug/kg	
107-05-1	Allyl chloride	ND	23	4.7	ug/kg	
71-43-2	Benzene	ND	4.7	0.94	ug/kg	
100-44-7	Benzyl Chloride	ND	4.7	1.0	ug/kg	
108-86-1	Bromobenzene	ND	4.7	0.94	ug/kg	
74-97-5	Bromochloromethane	ND	4.7	1.6	ug/kg	
75-27-4	Bromodichloromethane	ND	4.7	1.1	ug/kg	
75-25-2	Bromoform	ND	4.7	1.4	ug/kg	
104-51-8	n-Butylbenzene	ND	4.7	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	4.7	1.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	4.7	1.0	ug/kg	
108-90-7	Chlorobenzene	ND	4.7	0.94	ug/kg	
75-00-3	Chloroethane	ND	4.7	1.9	ug/kg	
67-66-3	Chloroform	ND	4.7	1.6	ug/kg	
544-10-5	1-Chlorohexane	ND	4.7	1.2	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.7	0.94	ug/kg	
106-43-4	p-Chlorotoluene	ND	4.7	0.94	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	23	9.4	ug/kg	
75-15-0	Carbon disulfide	ND	4.7	1.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.7	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.7	1.9	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.7	1.2	ug/kg	
563-58-6	1,1-Dichloropropene	ND	4.7	1.3	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.7	2.2	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4.7	0.94	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.7	1.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.7	1.3	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4.7	0.94	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4.7	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB30-26		
Lab Sample ID:	F61817-1	**Date Sampled:**	11/25/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	88.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	4.7	0.94	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.7	1.9	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.7	1.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.7	1.2	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	23	4.7	ug/kg	
541-73-1	m-Dichlorobenzene	ND	4.7	0.94	ug/kg	
95-50-1	o-Dichlorobenzene	ND	4.7	0.94	ug/kg	
106-46-7	p-Dichlorobenzene	ND	4.7	0.94	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	4.7	1.1	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.7	0.94	ug/kg	
100-41-4	Ethylbenzene	ND	4.7	0.94	ug/kg	
97-63-2	Ethyl methacrylate	ND	23	4.7	ug/kg	
76-13-1	Freon 113	ND	4.7	2.4	ug/kg	
591-78-6	2-Hexanone	ND	23	4.7	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.7	1.1	ug/kg	
110-54-3	Hexane	ND	4.7	2.2	ug/kg	
98-82-8	Isopropylbenzene	ND	4.7	1.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	4.7	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	23	6.0	ug/kg	
126-98-7	Methacrylonitrile	ND	23	5.2	ug/kg	
74-83-9	Methyl bromide	ND	4.7	2.1	ug/kg	
74-87-3	Methyl chloride	ND	4.7	2.2	ug/kg	
74-88-4	Methyl iodide	ND	9.4	1.9	ug/kg	
80-62-6	Methyl methacrylate	ND	23	4.7	ug/kg	
74-95-3	Methylene bromide	ND	4.7	1.4	ug/kg	
75-09-2	Methylene chloride [a]	5.5	9.4	4.7	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	23	7.8	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.7	1.4	ug/kg	
91-20-3	Naphthalene	ND	4.7	1.9	ug/kg	
76-01-7	Pentachloroethane	ND	23	4.7	ug/kg	
107-12-0	Propionitrile	ND	47	11	ug/kg	
103-65-1	n-Propylbenzene	ND	4.7	1.1	ug/kg	
100-42-5	Styrene	ND	4.7	0.94	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.7	0.94	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.7	1.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.7	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.7	0.94	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.7	1.9	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.7	1.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	1.9	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB30-26		
Lab Sample ID:	F61817-1	**Date Sampled:**	11/25/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	88.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	4.7	0.94	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.7	0.94	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.7	1.1	ug/kg	
108-88-3	Toluene	ND	4.7	0.94	ug/kg	
79-01-6	Trichloroethylene	ND	4.7	1.1	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.7	1.9	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	23	4.7	ug/kg	
75-01-4	Vinyl chloride	ND	4.7	1.9	ug/kg	
108-05-4	Vinyl Acetate	ND	23	11	ug/kg	
	m,p-Xylene	ND	9.4	1.8	ug/kg	
95-47-6	o-Xylene	ND	4.7	0.94	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		80-121%
2037-26-5	Toluene-D8	84%		71-130%
460-00-4	4-Bromofluorobenzene	102%		59-148%
17060-07-0	1,2-Dichloroethane-D4	105%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB30-26		
Lab Sample ID:	F61817-1	**Date Sampled:**	11/25/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8015 SW846 5030A	**Percent Solids:**	88.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086295.D	1	12/08/08	JG	11/26/08 12:45	n/a	GCD3630
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.91 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.4	2.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	84%		56-136%
98-08-8	aaa-Trifluorotoluene	82%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB30-26		
Lab Sample ID:	F61817-1	**Date Sampled:**	11/25/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	88.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24332.D	1	12/04/08	NY	12/03/08	OP27313	GLL908
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.2	5.5	mg/kg	
	TPH (> C22-C36)	ND	9.2	5.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	77%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB30-30		
Lab Sample ID:	F61817-2	**Date Sampled:**	11/25/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	86.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054665.D	1	12/06/08	MM	11/26/08 12:45	n/a	VG2066
Run #2	G0054685.D	1	12/08/08	MM	11/26/08 12:45	n/a	VG2067

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.68 g		
Run #2	5.74 g	5.0 ml	100 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	51	25	ug/kg	
75-05-8	Acetonitrile	ND	51	16	ug/kg	
107-02-8	Acrolein	ND	25	10	ug/kg	
107-13-1	Acrylonitrile	ND	25	7.0	ug/kg	
107-05-1	Allyl chloride	ND	25	5.1	ug/kg	
71-43-2	Benzene	ND	5.1	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.1	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.1	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.1	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.1	1.2	ug/kg	
75-25-2	Bromoform	ND	5.1	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.1	1.4	ug/kg	
135-98-8	sec-Butylbenzene	6.3	5.1	1.1	ug/kg	
98-06-6	tert-Butylbenzene	2.9	5.1	1.1	ug/kg	J
108-90-7	Chlorobenzene	ND	5.1	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.1	2.0	ug/kg	
67-66-3	Chloroform	ND	5.1	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.1	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.1	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.1	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.1	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.1	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.1	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.1	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.1	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.1	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.1	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.1	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.1	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.1	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.1	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB30-30		
Lab Sample ID:	F61817-2	**Date Sampled:**	11/25/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	86.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.1	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.1	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.1	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.1	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.1	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.1	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.1	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.1	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.1	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.1	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.1	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.1	ug/kg	
76-13-1	Freon 113	ND	5.1	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.1	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.1	1.2	ug/kg	
110-54-3	Hexane	ND	5.1	2.4	ug/kg	
98-82-8	Isopropylbenzene	294 [a]	290	64	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.1	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.5	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.6	ug/kg	
74-83-9	Methyl bromide	ND	5.1	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.1	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.1	ug/kg	
74-95-3	Methylene bromide	ND	5.1	1.5	ug/kg	
75-09-2	Methylene chloride [b]	7550 [a]	580	290	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.4	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.1	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.1	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.1	ug/kg	
107-12-0	Propionitrile	ND	51	12	ug/kg	
103-65-1	n-Propylbenzene	1.3	5.1	1.2	ug/kg	J
100-42-5	Styrene	ND	5.1	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.1	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.1	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.1	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.1	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.1	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.1	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.1	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB30-30		
Lab Sample ID:	F61817-2	**Date Sampled:**	11/25/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	86.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.1	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.1	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.1	1.2	ug/kg	
108-88-3	Toluene	ND	5.1	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.1	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.1	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.1	ug/kg	
75-01-4	Vinyl chloride	ND	5.1	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.1	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	112%	98%	80-121%
2037-26-5	Toluene-D8	84%	91%	71-130%
460-00-4	4-Bromofluorobenzene	96%	92%	59-148%
17060-07-0	1,2-Dichloroethane-D4	112%	100%	77-123%

(a) Result is from Run# 2
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB30-30		
Lab Sample ID:	F61817-2	**Date Sampled:**	11/25/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8015 SW846 5030A	**Percent Solids:**	86.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086296.D	1	12/08/08	JG	11/26/08 12:45	n/a	GCD3630
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.74 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	12.3	5.8	2.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%		56-136%
98-08-8	aaa-Trifluorotoluene	94%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB30-30		
Lab Sample ID:	F61817-2	**Date Sampled:**	11/25/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	86.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24333.D	1	12/04/08	NY	12/03/08	OP27313	GLL908
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.5	5.7	mg/kg	
	TPH (> C22-C36)	ND	9.5	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	86%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB30-30-a		
Lab Sample ID:	F61817-3	**Date Sampled:**	11/25/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	84.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054666.D	1	12/06/08	MM	11/26/08 13:25	n/a	VG2066
Run #2							

	Initial Weight
Run #1	5.80 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	51	26	ug/kg	
75-05-8	Acetonitrile	ND	51	16	ug/kg	
107-02-8	Acrolein	ND	26	10	ug/kg	
107-13-1	Acrylonitrile	ND	26	7.0	ug/kg	
107-05-1	Allyl chloride	ND	26	5.1	ug/kg	
71-43-2	Benzene	ND	5.1	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.1	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.1	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.1	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.1	1.2	ug/kg	
75-25-2	Bromoform	ND	5.1	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.1	1.4	ug/kg	
135-98-8	sec-Butylbenzene	4.7	5.1	1.1	ug/kg	J
98-06-6	tert-Butylbenzene	ND	5.1	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.1	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.1	2.0	ug/kg	
67-66-3	Chloroform	ND	5.1	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.1	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.1	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.1	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	26	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.1	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.1	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.1	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.1	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.1	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.1	2.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.1	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.1	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.1	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.1	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.1	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB30-30-a		
Lab Sample ID:	F61817-3	**Date Sampled:**	11/25/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	84.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.1	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.1	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.1	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.1	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	26	5.1	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.1	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.1	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.1	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.1	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.1	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.1	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	26	5.1	ug/kg	
76-13-1	Freon 113	ND	5.1	2.7	ug/kg	
591-78-6	2-Hexanone	ND	26	5.1	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.1	1.2	ug/kg	
110-54-3	Hexane	ND	5.1	2.5	ug/kg	
98-82-8	Isopropylbenzene	160	5.1	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.1	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	26	6.5	ug/kg	
126-98-7	Methacrylonitrile	ND	26	5.6	ug/kg	
74-83-9	Methyl bromide	ND	5.1	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.1	2.5	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	26	5.1	ug/kg	
74-95-3	Methylene bromide	ND	5.1	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.1	ug/kg	
78-93-3	Methyl ethyl ketone	ND	26	8.5	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.1	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.1	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	26	5.1	ug/kg	
107-12-0	Propionitrile	ND	51	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.1	1.2	ug/kg	
100-42-5	Styrene	ND	5.1	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.1	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.1	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.1	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.1	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.1	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.1	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.1	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB30-30-a		
Lab Sample ID:	F61817-3	**Date Sampled:**	11/25/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	84.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.1	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.1	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.1	1.2	ug/kg	
108-88-3	Toluene	ND	5.1	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.1	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.1	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	26	5.1	ug/kg	
75-01-4	Vinyl chloride	ND	5.1	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	26	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.1	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		80-121%
2037-26-5	Toluene-D8	84%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	108%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB30-30-a		
Lab Sample ID:	F61817-3	**Date Sampled:**	11/25/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8015 SW846 5030A	**Percent Solids:**	84.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086297.D	1	12/08/08	JG	11/26/08 13:25	n/a	GCD3630
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.90 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	5.16	5.9	3.0	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	87%		56-136%
98-08-8	aaa-Trifluorotoluene	89%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB30-30-a		
Lab Sample ID:	F61817-3	**Date Sampled:**	11/25/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	84.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24334.D	1	12/04/08	NY	12/03/08	OP27313	GLL908
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.8	5.9	mg/kg	
	TPH (> C22-C36)	ND	9.8	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	86%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB30-37		
Lab Sample ID:	F61817-4	**Date Sampled:**	11/25/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	82.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054667.D	1	12/06/08	MM	11/26/08 13:25	n/a	VG2066
Run #2							

	Initial Weight
Run #1	5.62 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	54	27	ug/kg	
75-05-8	Acetonitrile	ND	54	17	ug/kg	
107-02-8	Acrolein	ND	27	11	ug/kg	
107-13-1	Acrylonitrile	ND	27	7.4	ug/kg	
107-05-1	Allyl chloride	ND	27	5.4	ug/kg	
71-43-2	Benzene	ND	5.4	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.4	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.4	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.4	1.8	ug/kg	
75-27-4	Bromodichloromethane	ND	5.4	1.3	ug/kg	
75-25-2	Bromoform	ND	5.4	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	5.4	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.4	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.4	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.4	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.4	2.1	ug/kg	
67-66-3	Chloroform	ND	5.4	1.8	ug/kg	
544-10-5	1-Chlorohexane	ND	5.4	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.4	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.4	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	27	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.4	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.4	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.4	2.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.4	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.4	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.4	2.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.4	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	1.3	5.4	1.2	ug/kg	J
78-87-5	1,2-Dichloropropane	ND	5.4	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.4	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.4	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB30-37		
Lab Sample ID:	F61817-4	**Date Sampled:**	11/25/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	82.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.4	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.4	2.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.4	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.4	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	27	5.4	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.4	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.4	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.4	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.4	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.4	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.4	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	27	5.4	ug/kg	
76-13-1	Freon 113	ND	5.4	2.8	ug/kg	
591-78-6	2-Hexanone	ND	27	5.4	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.4	1.3	ug/kg	
110-54-3	Hexane	ND	5.4	2.6	ug/kg	
98-82-8	Isopropylbenzene	ND	5.4	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.4	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	27	6.9	ug/kg	
126-98-7	Methacrylonitrile	ND	27	5.9	ug/kg	
74-83-9	Methyl bromide	ND	5.4	2.4	ug/kg	
74-87-3	Methyl chloride	ND	5.4	2.6	ug/kg	
74-88-4	Methyl iodide	ND	11	2.1	ug/kg	
80-62-6	Methyl methacrylate	ND	27	5.4	ug/kg	
74-95-3	Methylene bromide	ND	5.4	1.6	ug/kg	
75-09-2	Methylene chloride	ND	11	5.4	ug/kg	
78-93-3	Methyl ethyl ketone	ND	27	8.9	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.4	1.6	ug/kg	
91-20-3	Naphthalene	ND	5.4	2.1	ug/kg	
76-01-7	Pentachloroethane	ND	27	5.4	ug/kg	
107-12-0	Propionitrile	ND	54	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.4	1.3	ug/kg	
100-42-5	Styrene	ND	5.4	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.4	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.4	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.4	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.4	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.4	2.1	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.4	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.4	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB30-37		
Lab Sample ID:	F61817-4	**Date Sampled:**	11/25/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	82.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.4	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.4	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.4	1.3	ug/kg	
108-88-3	Toluene	ND	5.4	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.4	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.4	2.1	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	27	5.4	ug/kg	
75-01-4	Vinyl chloride	ND	5.4	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	27	13	ug/kg	
	m,p-Xylene	ND	11	2.0	ug/kg	
95-47-6	o-Xylene	ND	5.4	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		80-121%
2037-26-5	Toluene-D8	86%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	111%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB30-37		
Lab Sample ID:	F61817-4	**Date Sampled:**	11/25/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8015 SW846 5030A	**Percent Solids:**	82.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086298.D	1	12/08/08	JG	11/26/08 13:25	n/a	GCD3630
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.30 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.7	3.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	85%		56-136%
98-08-8	aaa-Trifluorotoluene	83%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB30-37		
Lab Sample ID:	F61817-4	**Date Sampled:**	11/25/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	82.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24335.D	1	12/05/08	NY	12/03/08	OP27313	GLL908
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.0	mg/kg	
	TPH (> C22-C36)	ND	10	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	79%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB31-25		
Lab Sample ID:	F61817-5	**Date Sampled:**	11/25/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	84.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054710.D	1	12/09/08	MM	11/26/08 13:25	n/a	VG2068
Run #2							

	Initial Weight
Run #1	5.58 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	53	27	ug/kg	
75-05-8	Acetonitrile	ND	53	17	ug/kg	
107-02-8	Acrolein	ND	27	10	ug/kg	
107-13-1	Acrylonitrile	ND	27	7.4	ug/kg	
107-05-1	Allyl chloride	ND	27	5.3	ug/kg	
71-43-2	Benzene	ND	5.3	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.3	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.3	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.3	1.8	ug/kg	
75-27-4	Bromodichloromethane	ND	5.3	1.3	ug/kg	
75-25-2	Bromoform	ND	5.3	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	5.3	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.3	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.3	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.3	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.3	2.1	ug/kg	
67-66-3	Chloroform	ND	5.3	1.8	ug/kg	
544-10-5	1-Chlorohexane	ND	5.3	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.3	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.3	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	27	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.3	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.3	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.3	2.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.3	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.3	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.3	2.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.3	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	2.0	5.3	1.2	ug/kg	J
78-87-5	1,2-Dichloropropane	ND	5.3	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.3	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.3	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB31-25		
Lab Sample ID:	F61817-5	**Date Sampled:**	11/25/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	84.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.3	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.3	2.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.3	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.3	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	27	5.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.3	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.3	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.3	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.3	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.3	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.3	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	27	5.3	ug/kg	
76-13-1	Freon 113	ND	5.3	2.8	ug/kg	
591-78-6	2-Hexanone	ND	27	5.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.3	1.3	ug/kg	
110-54-3	Hexane	ND	5.3	2.6	ug/kg	
98-82-8	Isopropylbenzene	62.2	5.3	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.3	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	27	6.8	ug/kg	
126-98-7	Methacrylonitrile	ND	27	5.9	ug/kg	
74-83-9	Methyl bromide	ND	5.3	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.3	2.6	ug/kg	
74-88-4	Methyl iodide	ND	11	2.1	ug/kg	
80-62-6	Methyl methacrylate	ND	27	5.3	ug/kg	
74-95-3	Methylene bromide	ND	5.3	1.6	ug/kg	
75-09-2	Methylene chloride	ND	11	5.3	ug/kg	
78-93-3	Methyl ethyl ketone	ND	27	8.9	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.3	1.6	ug/kg	
91-20-3	Naphthalene	ND	5.3	2.1	ug/kg	
76-01-7	Pentachloroethane	ND	27	5.3	ug/kg	
107-12-0	Propionitrile	ND	53	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.3	1.3	ug/kg	
100-42-5	Styrene	ND	5.3	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.3	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.3	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.3	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.3	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.3	2.1	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.3	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.3	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB31-25		
Lab Sample ID:	F61817-5	**Date Sampled:**	11/25/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	84.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.3	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.3	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.3	1.3	ug/kg	
108-88-3	Toluene	ND	5.3	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.3	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.3	2.1	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	27	5.3	ug/kg	
75-01-4	Vinyl chloride	ND	5.3	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	27	13	ug/kg	
	m,p-Xylene	ND	11	2.0	ug/kg	
95-47-6	o-Xylene	ND	5.3	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-121%
2037-26-5	Toluene-D8	89%		71-130%
460-00-4	4-Bromofluorobenzene	101%		59-148%
17060-07-0	1,2-Dichloroethane-D4	103%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB31-25		
Lab Sample ID:	F61817-5	**Date Sampled:**	11/25/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8015 SW846 5030A	**Percent Solids:**	84.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086299.D	1	12/08/08	JG	11/26/08 13:25	n/a	GCD3630
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.66 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.2	3.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	83%		56-136%
98-08-8	aaa-Trifluorotoluene	80%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB31-25		
Lab Sample ID:	F61817-5	**Date Sampled:**	11/25/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	84.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24336.D	1	12/05/08	NY	12/03/08	OP27313	GLL908
Run #2							

	Initial Weight	Final Volume
Run #1	29.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.0	mg/kg	
	TPH (> C22-C36)	ND	10	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	76%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB31-32		
Lab Sample ID:	F61817-6	**Date Sampled:**	11/25/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	78.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054672.D	1	12/06/08	MM	11/26/08 13:25	n/a	VG2066
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.70 g	5.0 ml	100 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3500	1800	ug/kg	
75-05-8	Acetonitrile	ND	3500	1100	ug/kg	
107-02-8	Acrolein	ND	1800	690	ug/kg	
107-13-1	Acrylonitrile	ND	1800	490	ug/kg	
107-05-1	Allyl chloride	ND	1800	350	ug/kg	
71-43-2	Benzene	848	350	70	ug/kg	
100-44-7	Benzyl Chloride	ND	350	77	ug/kg	
108-86-1	Bromobenzene	ND	350	70	ug/kg	
74-97-5	Bromochloromethane	ND	350	120	ug/kg	
75-27-4	Bromodichloromethane	ND	350	84	ug/kg	
75-25-2	Bromoform	ND	350	110	ug/kg	
104-51-8	n-Butylbenzene	ND	350	98	ug/kg	
135-98-8	sec-Butylbenzene	163	350	77	ug/kg	J
98-06-6	tert-Butylbenzene	ND	350	77	ug/kg	
108-90-7	Chlorobenzene	ND	350	70	ug/kg	
75-00-3	Chloroethane	ND	350	140	ug/kg	
67-66-3	Chloroform	ND	350	120	ug/kg	
544-10-5	1-Chlorohexane	ND	350	91	ug/kg	
95-49-8	o-Chlorotoluene	ND	350	70	ug/kg	
106-43-4	p-Chlorotoluene	ND	350	70	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1800	700	ug/kg	
75-15-0	Carbon disulfide	ND	350	77	ug/kg	
56-23-5	Carbon tetrachloride	ND	350	98	ug/kg	
75-34-3	1,1-Dichloroethane	ND	350	140	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	350	91	ug/kg	
563-58-6	1,1-Dichloropropene	ND	350	98	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	350	170	ug/kg	
106-93-4	1,2-Dibromoethane	ND	350	70	ug/kg	
107-06-2	1,2-Dichloroethane	ND	350	77	ug/kg	
78-87-5	1,2-Dichloropropane	ND	350	98	ug/kg	
142-28-9	1,3-Dichloropropane	ND	350	70	ug/kg	
594-20-7	2,2-Dichloropropane	ND	350	150	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB31-32		
Lab Sample ID:	F61817-6	**Date Sampled:**	11/25/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	78.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	350	70	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	350	140	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	350	110	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	350	91	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	1800	350	ug/kg	
541-73-1	m-Dichlorobenzene	ND	350	70	ug/kg	
95-50-1	o-Dichlorobenzene	ND	350	70	ug/kg	
106-46-7	p-Dichlorobenzene	ND	350	70	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	350	84	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	350	70	ug/kg	
100-41-4	Ethylbenzene	ND	350	70	ug/kg	
97-63-2	Ethyl methacrylate	ND	1800	350	ug/kg	
76-13-1	Freon 113	ND	350	180	ug/kg	
591-78-6	2-Hexanone	ND	1800	350	ug/kg	
87-68-3	Hexachlorobutadiene	ND	350	84	ug/kg	
110-54-3	Hexane	ND	350	170	ug/kg	
98-82-8	Isopropylbenzene	4340	350	77	ug/kg	
99-87-6	p-Isopropyltoluene	ND	350	77	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1800	450	ug/kg	
126-98-7	Methacrylonitrile	ND	1800	390	ug/kg	
74-83-9	Methyl bromide	ND	350	150	ug/kg	
74-87-3	Methyl chloride	ND	350	170	ug/kg	
74-88-4	Methyl iodide	ND	700	140	ug/kg	
80-62-6	Methyl methacrylate	ND	1800	350	ug/kg	
74-95-3	Methylene bromide	ND	350	110	ug/kg	
75-09-2	Methylene chloride [a]	615	700	350	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	1800	580	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	350	110	ug/kg	
91-20-3	Naphthalene [b]	858	350	140	ug/kg	J
76-01-7	Pentachloroethane	ND	1800	350	ug/kg	
107-12-0	Propionitrile	ND	3500	840	ug/kg	
103-65-1	n-Propylbenzene	152	350	84	ug/kg	J
100-42-5	Styrene	ND	350	70	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	350	70	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	350	77	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	350	130	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	350	70	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	350	140	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	350	130	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	350	140	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB31-32		
Lab Sample ID:	F61817-6	**Date Sampled:**	11/25/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	78.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	350	70	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	350	70	ug/kg	
127-18-4	Tetrachloroethylene	ND	350	84	ug/kg	
108-88-3	Toluene	ND	350	70	ug/kg	
79-01-6	Trichloroethylene	ND	350	84	ug/kg	
75-69-4	Trichlorofluoromethane	ND	350	140	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	1800	350	ug/kg	
75-01-4	Vinyl chloride	ND	350	140	ug/kg	
108-05-4	Vinyl Acetate	ND	1800	840	ug/kg	
	m,p-Xylene	ND	700	130	ug/kg	
95-47-6	o-Xylene	ND	350	70	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-121%
2037-26-5	Toluene-D8	86%		71-130%
460-00-4	4-Bromofluorobenzene	95%		59-148%
17060-07-0	1,2-Dichloroethane-D4	105%		77-123%

(a) Suspected laboratory contaminant.
(b) I-Cal not valid for this compound.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB31-32		
Lab Sample ID:	F61817-6	**Date Sampled:**	11/25/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8015 SW846 5030A	**Percent Solids:**	78.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086320.D	1	12/09/08	JG	11/26/08 13:25	n/a	GCD3631
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.64 g	5.0 ml	5.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	882	170	83	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	102%		56-136%
98-08-8	aaa-Trifluorotoluene	120%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB31-32		
Lab Sample ID:	F61817-6	**Date Sampled:**	11/25/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	78.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24337.D	1	12/05/08	NY	12/03/08	OP27313	GLL908
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.3	mg/kg	
	TPH (> C22-C36)	ND	10	6.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	83%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB31-40		
Lab Sample ID:	F61817-7	**Date Sampled:**	11/25/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	86.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054711.D	1	12/09/08	MM	11/26/08 13:25	n/a	VG2068
Run #2							

	Initial Weight
Run #1	5.14 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	56	28	ug/kg	
75-05-8	Acetonitrile	ND	56	18	ug/kg	
107-02-8	Acrolein	ND	28	11	ug/kg	
107-13-1	Acrylonitrile	ND	28	7.8	ug/kg	
107-05-1	Allyl chloride	ND	28	5.6	ug/kg	
71-43-2	Benzene	ND	5.6	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.6	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.6	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.6	1.9	ug/kg	
75-27-4	Bromodichloromethane	ND	5.6	1.3	ug/kg	
75-25-2	Bromoform	ND	5.6	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	5.6	1.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.6	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.6	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.6	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.6	2.2	ug/kg	
67-66-3	Chloroform	ND	5.6	1.9	ug/kg	
544-10-5	1-Chlorohexane	ND	5.6	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.6	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.6	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	28	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.6	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.6	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.6	2.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.6	1.5	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.6	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.6	2.7	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.6	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	3.7	5.6	1.2	ug/kg	J
78-87-5	1,2-Dichloropropane	ND	5.6	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.6	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.6	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB31-40		
Lab Sample ID:	F61817-7	**Date Sampled:**	11/25/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	86.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.6	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.6	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.6	1.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.6	1.5	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	28	5.6	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.6	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.6	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.6	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.6	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.6	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.6	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	28	5.6	ug/kg	
76-13-1	Freon 113	ND	5.6	2.9	ug/kg	
591-78-6	2-Hexanone	ND	28	5.6	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.6	1.3	ug/kg	
110-54-3	Hexane	ND	5.6	2.7	ug/kg	
98-82-8	Isopropylbenzene	ND	5.6	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.6	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	28	7.2	ug/kg	
126-98-7	Methacrylonitrile	ND	28	6.2	ug/kg	
74-83-9	Methyl bromide	ND	5.6	2.5	ug/kg	
74-87-3	Methyl chloride	ND	5.6	2.7	ug/kg	
74-88-4	Methyl iodide	ND	11	2.2	ug/kg	
80-62-6	Methyl methacrylate	ND	28	5.6	ug/kg	
74-95-3	Methylene bromide	ND	5.6	1.7	ug/kg	
75-09-2	Methylene chloride [a]	9.0	11	5.6	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	28	9.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.6	1.7	ug/kg	
91-20-3	Naphthalene	ND	5.6	2.2	ug/kg	
76-01-7	Pentachloroethane	ND	28	5.6	ug/kg	
107-12-0	Propionitrile	ND	56	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.6	1.3	ug/kg	
100-42-5	Styrene	ND	5.6	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.6	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.6	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.6	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.6	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.6	2.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.6	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB31-40		
Lab Sample ID:	F61817-7	**Date Sampled:**	11/25/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	86.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.6	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.6	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.6	1.3	ug/kg	
108-88-3	Toluene	ND	5.6	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.6	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.6	2.2	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	28	5.6	ug/kg	
75-01-4	Vinyl chloride	ND	5.6	2.2	ug/kg	
108-05-4	Vinyl Acetate	ND	28	13	ug/kg	
	m,p-Xylene	ND	11	2.1	ug/kg	
95-47-6	o-Xylene	ND	5.6	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-121%
2037-26-5	Toluene-D8	89%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	101%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB31-40		
Lab Sample ID:	F61817-7	**Date Sampled:**	11/25/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8015 SW846 5030A	**Percent Solids:**	86.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086301.D	1	12/08/08	JG	11/26/08 13:25	n/a	GCD3630
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.81 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.7	2.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	85%		56-136%
98-08-8	aaa-Trifluorotoluene	79%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB31-40		
Lab Sample ID:	F61817-7	**Date Sampled:**	11/25/08
Matrix:	SO - Soil	**Date Received:**	11/26/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	86.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24338.D	1	12/05/08	NY	12/03/08	OP27313	GLL908
Run #2							

	Initial Weight	Final Volume
Run #1	29.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.7	5.8	mg/kg	
	TPH (> C22-C36)	ND	9.7	5.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	77%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61817-8	**Date Sampled:**	11/25/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/26/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054681.D	1	12/08/08	MM	n/a	n/a	VG2067
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61817-8	**Date Sampled:**	11/25/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/26/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride [a]	6.3	10	5.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61817-8	**Date Sampled:**	11/25/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	11/26/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-121%
2037-26-5	Toluene-D8	92%		71-130%
460-00-4	4-Bromofluorobenzene	97%		59-148%
17060-07-0	1,2-Dichloroethane-D4	103%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

F61817

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

Page 1 of 1

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number [1]: 11-25-2008-2

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Zack Beck / Greg Kirksman

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)					Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
									Sample Analysis Requested [5]									Quality Assurance Samples [6]			
1	SS61-SB30-26	SS61-SB30	25.11.2008	0930	24 - 26	N	01	SO	5	X	X	X									2
2	SS61-SB30-30	SS61-SB30	25.11.2008	0945	28 - 30	N	01	SO	5	X	X	X									2
3	SS61-SB30-30a	SS61-SB30	25.11.2008	0945	28 - 30	FD	01	SO	5	X	X	X									2
4	SS61-SB30-37	SS61-SB30	25.11.2008	1000	35 - 37	N	01	SO	5	X	X	X									2
5	SS61-SB31-25	SS61-SB31	25.11.2008	1115	23 - 25	N	01	SO	5	X	X	X									2
6	SS61-SB31-32	SS61-SB31	25.11.2008	1130	30 - 32	N	01	SO	5	X	X	X									2
7	SS61-SB31-40	SS61-SB31	25.11.2008	1140	38 - 40	N	01	SO	5	X	X	X									2
8	Trip Blank				-	TB		WQ	3	X											2
					-																
					-																
					-																

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1.		11/25/08	1400			
2.					11-26-08	0900
3.						

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: _____ Shipped No.: _____

Method of Shipment: _____ Airbill Number: _____

Analytical Lab: Accutest Laboratories Delivery Location: _____

Lab Recipient: _____ Delivery Date/Time: _____

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-t) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

2.0

F61817: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61817 CLIENT: Blate PROJECT: SS-61

DATE/TIME RECEIVED: 11.26.08 0900 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.0

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8651 5824 0420

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [X] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 28

NUMBER OF 5035 FIELD KITS ? TB

NUMBER OF LAB FILTERED METALS ? 8

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE E.T. 11.26.08 TECHNICIAN SIGNATURE/DATE JC 11-26-08 ASBD 12/17/07

F61817: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61817
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2066-MB	G0054653.D	1	12/06/08	MM	n/a	n/a	VG2066

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61817-1, F61817-2, F61817-3, F61817-4, F61817-6

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61817
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2066-MB	G0054653.D	1	12/06/08	MM	n/a	n/a	VG2066

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61817-1, F61817-2, F61817-3, F61817-4, F61817-6

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	2.4	5.0	1.2	ug/kg	J
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	5.7	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	4.0	5.0	2.0	ug/kg	J

Method Blank Summary

Job Number: F61817
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2066-MB	G0054653.D	1	12/06/08	MM	n/a	n/a	VG2066

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61817-1, F61817-2, F61817-3, F61817-4, F61817-6

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	104%	80-121%
2037-26-5	Toluene-D8	88%	71-130%
460-00-4	4-Bromofluorobenzene	94%	59-148%
17060-07-0	1,2-Dichloroethane-D4	107%	77-123%

Method Blank Summary

Job Number: F61817
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2067-MB	G0054678.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61817-2, F61817-8

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61817
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2067-MB	G0054678.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61817-2, F61817-8

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	7.7	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	3.6	5.0	2.0	ug/kg	J

Method Blank Summary

Job Number: F61817
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2067-MB	G0054678.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61817-2, F61817-8

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	80-121%
2037-26-5	Toluene-D8	88%	71-130%
460-00-4	4-Bromofluorobenzene	94%	59-148%
17060-07-0	1,2-Dichloroethane-D4	102%	77-123%

Method Blank Summary

Job Number: F61817
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2068-MB	G0054709.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61817-5, F61817-7

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61817
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2068-MB	G0054709.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61817-5, F61817-7

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	1.2	5.0	1.2	ug/kg	J
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F61817
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2068-MB	G0054709.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61817-5, F61817-7

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	1.4	5.0	1.0	ug/kg	J
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	80-121%
2037-26-5	Toluene-D8	91%	71-130%
460-00-4	4-Bromofluorobenzene	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	104%	77-123%

Blank Spike Summary

Job Number: F61817
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2066-BS	G0054651.D	1	12/06/08	MM	n/a	n/a	VG2066

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61817-1, F61817-2, F61817-3, F61817-4, F61817-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	101	40*	61-144
75-05-8	Acetonitrile	500	394	79	59-139
107-02-8	Acrolein	250	41.4	17*	27-156
107-13-1	Acrylonitrile	250	244	98	55-144
107-05-1	Allyl chloride	50	49.6	99	41-152
71-43-2	Benzene	50	50.1	100	78-130
100-44-7	Benzyl Chloride	50	40.6	81	74-130
108-86-1	Bromobenzene	50	51.1	102	78-123
74-97-5	Bromochloromethane	50	39.3	79	72-122
75-27-4	Bromodichloromethane	50	44.2	88	73-122
75-25-2	Bromoform	50	37.7	75	70-139
104-51-8	n-Butylbenzene	50	58.3	117	80-138
135-98-8	sec-Butylbenzene	50	57.5	115	82-132
98-06-6	tert-Butylbenzene	50	56.3	113	79-130
108-90-7	Chlorobenzene	50	48.8	98	83-122
75-00-3	Chloroethane	50	43.7	87	61-153
67-66-3	Chloroform	50	49.7	99	79-129
544-10-5	1-Chlorohexane	50	43.9	88	85-137
95-49-8	o-Chlorotoluene	50	55.1	110	77-123
106-43-4	p-Chlorotoluene	50	54.0	108	78-129
110-75-8	2-Chloroethyl vinyl ether	250	245	98	52-142
75-15-0	Carbon disulfide	50	38.5	77	61-142
56-23-5	Carbon tetrachloride	50	47.7	95	79-135
75-34-3	1,1-Dichloroethane	50	48.5	97	77-132
75-35-4	1,1-Dichloroethylene	50	46.5	93	66-132
563-58-6	1,1-Dichloropropene	50	47.2	94	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	47.8	96	67-129
106-93-4	1,2-Dibromoethane	50	39.3	79	77-126
107-06-2	1,2-Dichloroethane	50	41.3	83	78-129
78-87-5	1,2-Dichloropropane	50	47.1	94	74-127
142-28-9	1,3-Dichloropropane	50	40.3	81	78-118
594-20-7	2,2-Dichloropropane	50	55.5	111	80-137
124-48-1	Dibromochloromethane	50	36.6	73*	78-117
75-71-8	Dichlorodifluoromethane	50	39.0	78	35-162
156-59-2	cis-1,2-Dichloroethylene	50	45.2	90	74-123
10061-01-5	cis-1,3-Dichloropropene	50	45.7	91	79-130

Blank Spike Summary

Job Number: F61817
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2066-BS	G0054651.D	1	12/06/08	MM	n/a	n/a	VG2066

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61817-1, F61817-2, F61817-3, F61817-4, F61817-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	40.1	80	71-126
541-73-1	m-Dichlorobenzene	50	53.5	107	82-126
95-50-1	o-Dichlorobenzene	50	53.0	106	83-123
106-46-7	p-Dichlorobenzene	50	52.9	106	84-124
156-60-5	trans-1,2-Dichloroethylene	50	47.1	94	77-129
10061-02-6	trans-1,3-Dichloropropene	50	47.5	95	87-131
100-41-4	Ethylbenzene	50	49.6	99	82-124
97-63-2	Ethyl methacrylate	50	37.1	74*	78-118
76-13-1	Freon 113	50	68.4	137	62-147
591-78-6	2-Hexanone	250	165	66*	67-130
87-68-3	Hexachlorobutadiene	50	72.1	144	77-150
110-54-3	Hexane	50	49.9	100	65-147
98-82-8	Isopropylbenzene	50	52.9	106	82-133
99-87-6	p-Isopropyltoluene	50	58.0	116	82-132
108-10-1	4-Methyl-2-pentanone	250	186	74	69-125
126-98-7	Methacrylonitrile	500	342	68*	70-138
74-83-9	Methyl bromide	50	45.8	92	60-146
74-87-3	Methyl chloride	50	45.9	92	58-163
74-88-4	Methyl iodide	50	38.8	78	66-128
80-62-6	Methyl methacrylate	50	33.5	67*	73-125
74-95-3	Methylene bromide	50	40.4	81	75-128
75-09-2	Methylene chloride	50	49.4	99	62-140
78-93-3	Methyl ethyl ketone	250	122	49*	66-134
1634-04-4	Methyl Tert Butyl Ether	50	38.7	77	70-131
91-20-3	Naphthalene	50	55.2	110	59-143
76-01-7	Pentachloroethane	50	51.6	103	64-156
107-12-0	Propionitrile	500	320	64*	73-133
103-65-1	n-Propylbenzene	50	55.4	111	78-129
100-42-5	Styrene	50	49.6	99	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	46.7	93	81-121
71-55-6	1,1,1-Trichloroethane	50	49.5	99	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	44.0	88	70-128
79-00-5	1,1,2-Trichloroethane	50	42.3	85	76-118
87-61-6	1,2,3-Trichlorobenzene	50	64.9	130	78-136
96-18-4	1,2,3-Trichloropropane	50	36.8	74	74-125
120-82-1	1,2,4-Trichlorobenzene	50	66.3	133	82-137

Blank Spike Summary

Job Number: F61817
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2066-BS	G0054651.D	1	12/06/08	MM	n/a	n/a	VG2066

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61817-1, F61817-2, F61817-3, F61817-4, F61817-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	56.4	113	77-129
108-67-8	1,3,5-Trimethylbenzene	50	56.2	112	79-129
127-18-4	Tetrachloroethylene	50	49.1	98	79-132
108-88-3	Toluene	50	48.2	96	80-123
79-01-6	Trichloroethylene	50	47.3	95	78-132
75-69-4	Trichlorofluoromethane	50	48.4	97	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	87.7	175*	74-138
75-01-4	Vinyl chloride	50	42.4	85	60-145
108-05-4	Vinyl Acetate	250	311	124	25-164
	m,p-Xylene	100	103	103	82-128
95-47-6	o-Xylene	50	50.5	101	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	80-121%
2037-26-5	Toluene-D8	99%	71-130%
460-00-4	4-Bromofluorobenzene	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	87%	77-123%

Blank Spike Summary

Job Number: F61817
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2067-BS	G0054692.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61817-2, F61817-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	167	67	61-144
75-05-8	Acetonitrile	500	508	102	59-139
107-02-8	Acrolein	250	49.0	20*	27-156
107-13-1	Acrylonitrile	250	291	116	55-144
107-05-1	Allyl chloride	50	59.7	119	41-152
71-43-2	Benzene	50	56.2	112	78-130
100-44-7	Benzyl Chloride	50	51.7	103	74-130
108-86-1	Bromobenzene	50	53.6	107	78-123
74-97-5	Bromochloromethane	50	44.7	89	72-122
75-27-4	Bromodichloromethane	50	49.7	99	73-122
75-25-2	Bromoform	50	47.1	94	70-139
104-51-8	n-Butylbenzene	50	62.6	125	80-138
135-98-8	sec-Butylbenzene	50	60.2	120	82-132
98-06-6	tert-Butylbenzene	50	58.7	117	79-130
108-90-7	Chlorobenzene	50	53.4	107	83-122
75-00-3	Chloroethane	50	48.7	97	61-153
67-66-3	Chloroform	50	55.2	110	79-129
544-10-5	1-Chlorohexane	50	50.8	102	85-137
95-49-8	o-Chlorotoluene	50	56.3	113	77-123
106-43-4	p-Chlorotoluene	50	56.7	113	78-129
110-75-8	2-Chloroethyl vinyl ether	250	324	130	52-142
75-15-0	Carbon disulfide	50	44.8	90	61-142
56-23-5	Carbon tetrachloride	50	58.3	117	79-135
75-34-3	1,1-Dichloroethane	50	55.6	111	77-132
75-35-4	1,1-Dichloroethylene	50	54.0	108	66-132
563-58-6	1,1-Dichloropropene	50	55.3	111	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	60.8	122	67-129
106-93-4	1,2-Dibromoethane	50	47.3	95	77-126
107-06-2	1,2-Dichloroethane	50	49.4	99	78-129
78-87-5	1,2-Dichloropropane	50	51.9	104	74-127
142-28-9	1,3-Dichloropropane	50	48.8	98	78-118
594-20-7	2,2-Dichloropropane	50	69.8	140*	80-137
124-48-1	Dibromochloromethane	50	44.7	89	78-117
75-71-8	Dichlorodifluoromethane	50	36.0	72	35-162
156-59-2	cis-1,2-Dichloroethylene	50	50.9	102	74-123
10061-01-5	cis-1,3-Dichloropropene	50	53.0	106	79-130

Blank Spike Summary

Job Number: F61817
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2067-BS	G0054692.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61817-2, F61817-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	53.3	107	71-126
541-73-1	m-Dichlorobenzene	50	55.2	110	82-126
95-50-1	o-Dichlorobenzene	50	56.6	113	83-123
106-46-7	p-Dichlorobenzene	50	56.5	113	84-124
156-60-5	trans-1,2-Dichloroethylene	50	53.6	107	77-129
10061-02-6	trans-1,3-Dichloropropene	50	55.8	112	87-131
100-41-4	Ethylbenzene	50	54.9	110	82-124
97-63-2	Ethyl methacrylate	50	51.5	103	78-118
76-13-1	Freon 113	50	79.3	159*	62-147
591-78-6	2-Hexanone	250	228	91	67-130
87-68-3	Hexachlorobutadiene	50	78.0	156*	77-150
110-54-3	Hexane	50	63.6	127	65-147
98-82-8	Isopropylbenzene	50	57.8	116	82-133
99-87-6	p-Isopropyltoluene	50	60.9	122	82-132
108-10-1	4-Methyl-2-pentanone	250	258	103	69-125
126-98-7	Methacrylonitrile	500	472	94	70-138
74-83-9	Methyl bromide	50	48.7	97	60-146
74-87-3	Methyl chloride	50	49.0	98	58-163
74-88-4	Methyl iodide	50	42.2	84	66-128
80-62-6	Methyl methacrylate	50	50.0	100	73-125
74-95-3	Methylene bromide	50	49.2	98	75-128
75-09-2	Methylene chloride	50	58.8	118	62-140
78-93-3	Methyl ethyl ketone	250	177	71	66-134
1634-04-4	Methyl Tert Butyl Ether	50	50.9	102	70-131
91-20-3	Naphthalene	50	97.2	194*	59-143
76-01-7	Pentachloroethane	50	57.0	114	64-156
107-12-0	Propionitrile	500	467	93	73-133
103-65-1	n-Propylbenzene	50	58.0	116	78-129
100-42-5	Styrene	50	54.6	109	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	51.3	103	81-121
71-55-6	1,1,1-Trichloroethane	50	58.4	117	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	54.2	108	70-128
79-00-5	1,1,2-Trichloroethane	50	50.0	100	76-118
87-61-6	1,2,3-Trichlorobenzene	50	67.2	134	78-136
96-18-4	1,2,3-Trichloropropane	50	47.5	95	74-125
120-82-1	1,2,4-Trichlorobenzene	50	114	228*	82-137

Blank Spike Summary

Job Number: F61817
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2067-BS	G0054692.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61817-2, F61817-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	57.8	116	77-129
108-67-8	1,3,5-Trimethylbenzene	50	57.2	114	79-129
127-18-4	Tetrachloroethylene	50	55.1	110	79-132
108-88-3	Toluene	50	53.1	106	80-123
79-01-6	Trichloroethylene	50	54.9	110	78-132
75-69-4	Trichlorofluoromethane	50	54.8	110	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	108	216*	74-138
75-01-4	Vinyl chloride	50	47.5	95	60-145
108-05-4	Vinyl Acetate	250	405	162	25-164
	m,p-Xylene	100	113	113	82-128
95-47-6	o-Xylene	50	55.2	110	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	80-121%
2037-26-5	Toluene-D8	98%	71-130%
460-00-4	4-Bromofluorobenzene	95%	59-148%
17060-07-0	1,2-Dichloroethane-D4	95%	77-123%

Blank Spike Summary

Job Number: F61817
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2068-BS	G0054708.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61817-5, F61817-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	96.2	38*	61-144
75-05-8	Acetonitrile	500	391	78	59-139
107-02-8	Acrolein	250	67.9	27	27-156
107-13-1	Acrylonitrile	250	264	106	55-144
107-05-1	Allyl chloride	50	45.3	91	41-152
71-43-2	Benzene	50	47.4	95	78-130
100-44-7	Benzyl Chloride	50	42.2	84	74-130
108-86-1	Bromobenzene	50	49.2	98	78-123
74-97-5	Bromochloromethane	50	40.3	81	72-122
75-27-4	Bromodichloromethane	50	43.6	87	73-122
75-25-2	Bromoform	50	40.4	81	70-139
104-51-8	n-Butylbenzene	50	54.4	109	80-138
135-98-8	sec-Butylbenzene	50	52.5	105	82-132
98-06-6	tert-Butylbenzene	50	50.7	101	79-130
108-90-7	Chlorobenzene	50	47.4	95	83-122
75-00-3	Chloroethane	50	40.0	80	61-153
67-66-3	Chloroform	50	47.7	95	79-129
544-10-5	1-Chlorohexane	50	42.5	85	85-137
95-49-8	o-Chlorotoluene	50	50.5	101	77-123
106-43-4	p-Chlorotoluene	50	50.9	102	78-129
110-75-8	2-Chloroethyl vinyl ether	250	259	104	52-142
75-15-0	Carbon disulfide	50	36.6	73	61-142
56-23-5	Carbon tetrachloride	50	45.7	91	79-135
75-34-3	1,1-Dichloroethane	50	46.7	93	77-132
75-35-4	1,1-Dichloroethylene	50	41.8	84	66-132
563-58-6	1,1-Dichloropropene	50	45.0	90	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	39.0	78	67-129
106-93-4	1,2-Dibromoethane	50	41.5	83	77-126
107-06-2	1,2-Dichloroethane	50	41.4	83	78-129
78-87-5	1,2-Dichloropropane	50	46.1	92	74-127
142-28-9	1,3-Dichloropropane	50	43.4	87	78-118
594-20-7	2,2-Dichloropropane	50	52.5	105	80-137
124-48-1	Dibromochloromethane	50	39.1	78	78-117
75-71-8	Dichlorodifluoromethane	50	29.0	58	35-162
156-59-2	cis-1,2-Dichloroethylene	50	45.3	91	74-123
10061-01-5	cis-1,3-Dichloropropene	50	46.6	93	79-130

Blank Spike Summary

Job Number: F61817
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2068-BS	G0054708.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61817-5, F61817-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	41.8	84	71-126
541-73-1	m-Dichlorobenzene	50	48.6	97	82-126
95-50-1	o-Dichlorobenzene	50	48.8	98	83-123
106-46-7	p-Dichlorobenzene	50	50.6	101	84-124
156-60-5	trans-1,2-Dichloroethylene	50	44.1	88	77-129
10061-02-6	trans-1,3-Dichloropropene	50	49.4	99	87-131
100-41-4	Ethylbenzene	50	47.9	96	82-124
97-63-2	Ethyl methacrylate	50	39.6	79	78-118
76-13-1	Freon 113	50	32.7	65	62-147
591-78-6	2-Hexanone	250	186	74	67-130
87-68-3	Hexachlorobutadiene	50	47.1	94	77-150
110-54-3	Hexane	50	50.0	100	65-147
98-82-8	Isopropylbenzene	50	50.5	101	82-133
99-87-6	p-Isopropyltoluene	50	53.4	107	82-132
108-10-1	4-Methyl-2-pentanone	250	211	84	69-125
126-98-7	Methacrylonitrile	500	355	71	70-138
74-83-9	Methyl bromide	50	40.2	80	60-146
74-87-3	Methyl chloride	50	39.9	80	58-163
74-88-4	Methyl iodide	50	36.8	74	66-128
80-62-6	Methyl methacrylate	50	37.6	75	73-125
74-95-3	Methylene bromide	50	42.4	85	75-128
75-09-2	Methylene chloride	50	46.4	93	62-140
78-93-3	Methyl ethyl ketone	250	142	57*	66-134
1634-04-4	Methyl Tert Butyl Ether	50	41.3	83	70-131
91-20-3	Naphthalene	50	36.1	72	59-143
76-01-7	Pentachloroethane	50	47.0	94	64-156
107-12-0	Propionitrile	500	335	67*	73-133
103-65-1	n-Propylbenzene	50	51.7	103	78-129
100-42-5	Styrene	50	48.7	97	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	45.6	91	81-121
71-55-6	1,1,1-Trichloroethane	50	45.6	91	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	45.2	90	70-128
79-00-5	1,1,2-Trichloroethane	50	42.3	85	76-118
87-61-6	1,2,3-Trichlorobenzene	50	40.2	80	78-136
96-18-4	1,2,3-Trichloropropane	50	39.9	80	74-125
120-82-1	1,2,4-Trichlorobenzene	50	33.9	68*	82-137

Blank Spike Summary

Job Number: F61817
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2068-BS	G0054708.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61817-5, F61817-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	51.8	104	77-129
108-67-8	1,3,5-Trimethylbenzene	50	50.5	101	79-129
127-18-4	Tetrachloroethylene	50	47.9	96	79-132
108-88-3	Toluene	50	46.9	94	80-123
79-01-6	Trichloroethylene	50	45.0	90	78-132
75-69-4	Trichlorofluoromethane	50	40.0	80	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	93.9	188*	74-138
75-01-4	Vinyl chloride	50	37.2	74	60-145
108-05-4	Vinyl Acetate	250	337	135	25-164
	m,p-Xylene	100	98.5	99	82-128
95-47-6	o-Xylene	50	48.4	97	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	80-121%
2037-26-5	Toluene-D8	103%	71-130%
460-00-4	4-Bromofluorobenzene	98%	59-148%
17060-07-0	1,2-Dichloroethane-D4	92%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61817
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61816-1MS	G0054655.D	1	12/06/08	MM	n/a	n/a	VG2066
F61816-1MSD	G0054656.D	1	12/06/08	MM	n/a	n/a	VG2066
F61816-1	G0054654.D	1	12/06/08	MM	n/a	n/a	VG2066

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61817-1, F61817-2, F61817-3, F61817-4, F61817-6

CAS No.	Compound	F61816-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		312	87.1	28*	134	43*	42*	61-144/29
75-05-8	Acetonitrile	ND		625	557	89	637	103	13	59-139/30
107-02-8	Acrolein	ND		312	22.6	7*	15.5	5*	37	27-156/39
107-13-1	Acrylonitrile	ND		312	331	106	366	118	10	55-144/24
107-05-1	Allyl chloride	ND		62.5	69.2	111	69.2	112	0	41-152/24
71-43-2	Benzene	9.0		62.5	66.2	92	64.6	90	2	78-130/25
100-44-7	Benzyl Chloride	ND		62.5	42.8	69*	42.9	69*	0	74-130/28
108-86-1	Bromobenzene	ND		62.5	66.3	106	64.5	104	3	78-123/30
74-97-5	Bromochloromethane	ND		62.5	54.4	87	55.5	90	2	72-122/23
75-27-4	Bromodichloromethane	ND		62.5	62.0	99	62.9	102	1	73-122/25
75-25-2	Bromoform	ND		62.5	57.3	92	56.7	92	1	70-139/26
104-51-8	n-Butylbenzene	ND		62.5	68.7	110	66.1	107	4	80-138/31
135-98-8	sec-Butylbenzene	ND		62.5	71.2	114	66.4	107	7	82-132/29
98-06-6	tert-Butylbenzene	ND		62.5	69.5	111	66.3	107	5	79-130/29
108-90-7	Chlorobenzene	ND		62.5	63.7	102	61.9	100	3	83-122/23
75-00-3	Chloroethane	ND		62.5	60.4	97	55.7	90	8	61-153/31
67-66-3	Chloroform	ND		62.5	66.7	107	66.5	107	0	79-129/27
544-10-5	1-Chlorohexane	ND		62.5	52.6	84*	50.1	81*	5	85-137/29
95-49-8	o-Chlorotoluene	ND		62.5	68.4	110	63.4	102	8	77-123/31
106-43-4	p-Chlorotoluene	ND		62.5	68.1	109	63.8	103	7	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		312	379	121	410	132	8	52-142/25
75-15-0	Carbon disulfide	ND		62.5	56.1	90	53.9	87	4	61-142/27
56-23-5	Carbon tetrachloride	ND		62.5	69.6	111	66.3	107	5	79-135/29
75-34-3	1,1-Dichloroethane	ND		62.5	66.5	106	66.2	107	0	77-132/26
75-35-4	1,1-Dichloroethylene	ND		62.5	65.8	105	64.6	104	2	66-132/27
563-58-6	1,1-Dichloropropene	ND		62.5	65.6	105	66.1	107	1	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		62.5	65.1	104	72.9	118	11	67-129/29
106-93-4	1,2-Dibromoethane	ND		62.5	56.7	91	56.6	91	0	77-126/24
107-06-2	1,2-Dichloroethane	ND		62.5	57.9	93	60.7	98	5	78-129/24
78-87-5	1,2-Dichloropropane	ND		62.5	62.0	99	64.6	104	4	74-127/27
142-28-9	1,3-Dichloropropane	ND		62.5	57.6	92	57.3	93	1	78-118/26
594-20-7	2,2-Dichloropropane	ND		62.5	66.2	106	64.0	103	3	80-137/28
124-48-1	Dibromochloromethane	ND		62.5	54.5	87	52.9	85	3	78-117/27
75-71-8	Dichlorodifluoromethane	ND		62.5	55.2	88	53.8	87	3	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		62.5	61.1	98	59.6	96	2	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		62.5	62.4	100	63.2	102	1	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61817
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61816-1MS	G0054655.D	1	12/06/08	MM	n/a	n/a	VG2066
F61816-1MSD	G0054656.D	1	12/06/08	MM	n/a	n/a	VG2066
F61816-1	G0054654.D	1	12/06/08	MM	n/a	n/a	VG2066

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61817-1, F61817-2, F61817-3, F61817-4, F61817-6

CAS No.	Compound	F61816-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		62.5	60.2	96	58.4	94	3	71-126/28
541-73-1	m-Dichlorobenzene	ND		62.5	68.9	110	65.1	105	6	82-126/29
95-50-1	o-Dichlorobenzene	ND		62.5	67.5	108	66.4	107	2	83-123/28
106-46-7	p-Dichlorobenzene	ND		62.5	68.7	110	67.5	109	2	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		62.5	64.9	104	64.7	104	0	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		62.5	65.2	104	63.8	103	2	87-131/27
100-41-4	Ethylbenzene	ND		62.5	65.4	105	61.7	100	6	82-124/25
97-63-2	Ethyl methacrylate	ND		62.5	60.0	96	60.7	98	1	78-118/30
76-13-1	Freon 113	ND		62.5	87.7	140	52.8	85	50*	62-147/29
591-78-6	2-Hexanone	ND		312	246	79	254	82	3	67-130/29
87-68-3	Hexachlorobutadiene	ND		62.5	77.2	124	95.5	154*	21	77-150/36
110-54-3	Hexane	ND		62.5	43.3	69	45.0	73	4	65-147/27
98-82-8	Isopropylbenzene	3.9	J	62.5	68.9	104	65.2	99	6	82-133/27
99-87-6	p-Isopropyltoluene	ND		62.5	71.6	115	68.3	110	5	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		312	296	95	311	100	5	69-125/24
126-98-7	Methacrylonitrile	ND		625	565	90	621	100	9	70-138/22
74-83-9	Methyl bromide	ND		62.5	60.4	97	57.4	93	5	60-146/31
74-87-3	Methyl chloride	ND		62.5	60.1	96	59.8	97	1	58-163/26
74-88-4	Methyl iodide	ND		62.5	51.7	83	51.4	83	1	66-128/27
80-62-6	Methyl methacrylate	ND		62.5	59.3	95	60.9	98	3	73-125/24
74-95-3	Methylene bromide	ND		62.5	60.2	96	62.9	102	4	75-128/26
75-09-2	Methylene chloride	7.3	J	62.5	60.5	85	62.7	89	4	62-140/25
78-93-3	Methyl ethyl ketone	ND		312	171	55*	195	63*	13	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		62.5	56.6	91	62.1	100	9	70-131/25
91-20-3	Naphthalene	ND		62.5	59.4	95	192	310*	105*	59-143/31
76-01-7	Pentachloroethane	ND		62.5	66.2	106	62.8	101	5	64-156/37
107-12-0	Propionitrile	ND		625	510	82	609	98	18	73-133/23
103-65-1	n-Propylbenzene	ND		62.5	70.1	112	65.3	105	7	78-129/29
100-42-5	Styrene	ND		62.5	62.1	99	61.0	98	2	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		62.5	62.2	100	60.0	97	4	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		62.5	68.5	110	67.7	109	1	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		62.5	63.0	101	63.2	102	0	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		62.5	58.3	93	58.2	94	0	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		62.5	59.6	95	125	202*	71*	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		62.5	54.8	88	55.3	89	1	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		62.5	69.0	110	188	304*	93*	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61817
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61816-1MS	G0054655.D	1	12/06/08	MM	n/a	n/a	VG2066
F61816-1MSD	G0054656.D	1	12/06/08	MM	n/a	n/a	VG2066
F61816-1	G0054654.D	1	12/06/08	MM	n/a	n/a	VG2066

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61817-1, F61817-2, F61817-3, F61817-4, F61817-6

CAS No.	Compound	F61816-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		62.5	70.5	113	66.4	107	6	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		62.5	69.7	112	65.9	106	6	79-129/31
127-18-4	Tetrachloroethylene	ND		62.5	70.6	113	67.9	110	4	79-132/27
108-88-3	Toluene	ND		62.5	62.9	101	60.0	97	5	80-123/26
79-01-6	Trichloroethylene	ND		62.5	64.7	104	64.7	104	0	78-132/28
75-69-4	Trichlorofluoromethane	ND		62.5	68.6	110	65.6	106	4	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		62.5	119	191*	122	197*	2	74-138/30
75-01-4	Vinyl chloride	ND		62.5	58.8	94	57.4	93	2	60-145/29
108-05-4	Vinyl Acetate	ND		312	79.1	25	80.9	26	2	25-164/35
	m,p-Xylene	ND		125	135	108	128	103	5	82-128/25
95-47-6	o-Xylene	ND		62.5	65.4	105	63.0	102	4	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61816-1	Limits
1868-53-7	Dibromofluoromethane	100%	104%	107%	80-121%
2037-26-5	Toluene-D8	98%	96%	85%	71-130%
460-00-4	4-Bromofluorobenzene	99%	96%	100%	59-148%
17060-07-0	1,2-Dichloroethane-D4	98%	104%	106%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61817
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61902-1MS	G0054687.D	1	12/08/08	MM	n/a	n/a	VG2067
F61902-1MSD	G0054688.D	1	12/08/08	MM	n/a	n/a	VG2067
F61902-1	G0054686.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61817-2, F61817-8

CAS No.	Compound	F61902-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		301	97.2	32*	106	34*	9	61-144/29
75-05-8	Acetonitrile	ND		602	517	86	559	88	8	59-139/30
107-02-8	Acrolein	ND		301	ND	0*	ND	0*	nc	27-156/39
107-13-1	Acrylonitrile	ND		301	255	85	267	84	5	55-144/24
107-05-1	Allyl chloride	ND		60.2	52.2	87	55.8	88	7	41-152/24
71-43-2	Benzene	ND		60.2	58.3	97	61.4	97	5	78-130/25
100-44-7	Benzyl Chloride	ND		60.2	35.0	58*	36.8	58*	5	74-130/28
108-86-1	Bromobenzene	ND		60.2	57.9	96	61.1	97	5	78-123/30
74-97-5	Bromochloromethane	ND		60.2	48.1	80	50.4	80	5	72-122/23
75-27-4	Bromodichloromethane	ND		60.2	51.8	86	53.9	85	4	73-122/25
75-25-2	Bromoform	ND		60.2	45.0	75	47.0	74	4	70-139/26
104-51-8	n-Butylbenzene	ND		60.2	58.4	97	61.9	98	6	80-138/31
135-98-8	sec-Butylbenzene	ND		60.2	59.3	99	62.8	99	6	82-132/29
98-06-6	tert-Butylbenzene	ND		60.2	59.0	98	60.7	96	3	79-130/29
108-90-7	Chlorobenzene	ND		60.2	54.9	91	56.7	90	3	83-122/23
75-00-3	Chloroethane	ND		60.2	50.5	84	53.7	85	6	61-153/31
67-66-3	Chloroform	ND		60.2	58.0	96	62.0	98	7	79-129/27
544-10-5	1-Chlorohexane	ND		60.2	45.3	75*	45.5	72*	0	85-137/29
95-49-8	o-Chlorotoluene	ND		60.2	58.7	98	62.9	99	7	77-123/31
106-43-4	p-Chlorotoluene	ND		60.2	57.2	95	61.8	98	8	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		301	325	108	336	106	3	52-142/25
75-15-0	Carbon disulfide	ND		60.2	43.2	72	45.4	72	5	61-142/27
56-23-5	Carbon tetrachloride	ND		60.2	45.2	75*	58.2	92	25	79-135/29
75-34-3	1,1-Dichloroethane	ND		60.2	57.6	96	60.6	96	5	77-132/26
75-35-4	1,1-Dichloroethylene	ND		60.2	46.5	77	48.4	77	4	66-132/27
563-58-6	1,1-Dichloropropene	ND		60.2	54.2	90	56.4	89	4	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		60.2	74.6	124	77.9	123	4	67-129/29
106-93-4	1,2-Dibromoethane	ND		60.2	46.6	77	48.1	76*	3	77-126/24
107-06-2	1,2-Dichloroethane	ND		60.2	51.5	86	53.4	84	4	78-129/24
78-87-5	1,2-Dichloropropane	ND		60.2	55.4	92	57.8	91	4	74-127/27
142-28-9	1,3-Dichloropropane	ND		60.2	47.3	79	48.8	77*	3	78-118/26
594-20-7	2,2-Dichloropropane	ND		60.2	58.9	98	59.7	94	1	80-137/28
124-48-1	Dibromochloromethane	ND		60.2	44.1	73*	44.3	70*	0	78-117/27
75-71-8	Dichlorodifluoromethane	ND		60.2	29.8	50	35.7	56	18	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		60.2	52.3	87	55.1	87	5	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		60.2	51.8	86	53.3	84	3	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61817
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61902-1MS	G0054687.D	1	12/08/08	MM	n/a	n/a	VG2067
F61902-1MSD	G0054688.D	1	12/08/08	MM	n/a	n/a	VG2067
F61902-1	G0054686.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61817-2, F61817-8

CAS No.	Compound	F61902-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		60.2	48.2	80	51.6	82	7	71-126/28
541-73-1	m-Dichlorobenzene	ND		60.2	58.2	97	61.5	97	6	82-126/29
95-50-1	o-Dichlorobenzene	ND		60.2	56.9	95	62.2	98	9	83-123/28
106-46-7	p-Dichlorobenzene	ND		60.2	58.4	97	63.0	100	8	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		60.2	54.6	91	58.9	93	8	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		60.2	53.9	90	54.9	87	2	87-131/27
100-41-4	Ethylbenzene	ND		60.2	55.0	91	57.1	90	4	82-124/25
97-63-2	Ethyl methacrylate	ND		60.2	15.4	26*	15.7	25*	2	78-118/30
76-13-1	Freon 113	ND		60.2	85.9	143	73.1	116	16	62-147/29
591-78-6	2-Hexanone	ND		301	192	64*	193	61*	1	67-130/29
87-68-3	Hexachlorobutadiene	ND		60.2	98.4	164*	107	169*	8	77-150/36
110-54-3	Hexane	ND		60.2	52.1	87	52.5	83	1	65-147/27
98-82-8	Isopropylbenzene	ND		60.2	57.7	96	59.2	94	3	82-133/27
99-87-6	p-Isopropyltoluene	ND		60.2	59.4	99	64.4	102	8	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		301	231	77	227	72	2	69-125/24
126-98-7	Methacrylonitrile	ND		602	451	75	473	75	5	70-138/22
74-83-9	Methyl bromide	ND		60.2	46.9	78	52.7	83	12	60-146/31
74-87-3	Methyl chloride	ND		60.2	49.1	82	52.1	82	6	58-163/26
74-88-4	Methyl iodide	ND		60.2	40.6	67	43.4	69	7	66-128/27
80-62-6	Methyl methacrylate	ND		60.2	54.6	91	54.9	87	1	73-125/24
74-95-3	Methylene bromide	ND		60.2	50.7	84	52.8	84	4	75-128/26
75-09-2	Methylene chloride	8.5	J	60.2	70.7	103	72.2	101	2	62-140/25
78-93-3	Methyl ethyl ketone	ND		301	127	42*	135	43*	6	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		60.2	50.6	84	53.9	85	6	70-131/25
91-20-3	Naphthalene	ND		60.2	640	1064*	671	1061*	5	59-143/31
76-01-7	Pentachloroethane	ND		60.2	55.8	93	56.6	90	1	64-156/37
107-12-0	Propionitrile	ND		602	449	75	462	73	3	73-133/23
103-65-1	n-Propylbenzene	ND		60.2	59.3	99	62.1	98	5	78-129/29
100-42-5	Styrene	ND		60.2	53.9	90	56.1	89	4	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		60.2	52.3	87	53.3	84	2	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		60.2	56.3	94	57.9	92	3	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		60.2	55.9	93	59.8	95	7	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		60.2	51.1	85	52.3	83	2	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		60.2	822	1366*	755	1194*	8	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		60.2	48.9	81	51.2	81	5	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		60.2	357	593*	368	582*	3	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61817
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61902-1MS	G0054687.D	1	12/08/08	MM	n/a	n/a	VG2067
F61902-1MSD	G0054688.D	1	12/08/08	MM	n/a	n/a	VG2067
F61902-1	G0054686.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61817-2, F61817-8

CAS No.	Compound	F61902-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		60.2	60.9	101	65.5	104	7	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		60.2	59.5	99	61.5	97	3	79-129/31
127-18-4	Tetrachloroethylene	ND		60.2	56.4	94	60.4	96	7	79-132/27
108-88-3	Toluene	ND		60.2	53.3	89	53.6	85	1	80-123/26
79-01-6	Trichloroethylene	ND		60.2	55.7	93	58.6	93	5	78-132/28
75-69-4	Trichlorofluoromethane	ND		60.2	52.3	87	57.7	91	10	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		60.2	98.2	163*	104	164*	6	74-138/30
75-01-4	Vinyl chloride	ND		60.2	45.6	76	47.8	76	5	60-145/29
108-05-4	Vinyl Acetate	ND		301	40.8	14*	40.2	13*	1	25-164/35
	m,p-Xylene	ND		120	117	97	119	94	2	82-128/25
95-47-6	o-Xylene	ND		60.2	55.5	92	58.3	92	5	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61902-1	Limits
1868-53-7	Dibromofluoromethane	100%	101%	103%	80-121%
2037-26-5	Toluene-D8	97%	93%	88%	71-130%
460-00-4	4-Bromofluorobenzene	94%	93%	93%	59-148%
17060-07-0	1,2-Dichloroethane-D4	93%	94%	102%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61817
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61934-1MS	G0054717.D	1	12/09/08	MM	n/a	n/a	VG2068
F61934-1MSD	G0054718.D	1	12/09/08	MM	n/a	n/a	VG2068
F61934-1	G0054716.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61817-5, F61817-7

CAS No.	Compound	F61934-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		278	111	40*	117	42*	5	61-144/29
75-05-8	Acetonitrile	ND		557	438	79	444	79	1	59-139/30
107-02-8	Acrolein	ND		278	ND	0*	14.2	5*	200*	27-156/39
107-13-1	Acrylonitrile	ND		278	248	89	265	94	7	55-144/24
107-05-1	Allyl chloride	ND		55.7	53.6	96	53.5	95	0	41-152/24
71-43-2	Benzene	ND		55.7	54.6	98	53.5	95	2	78-130/25
100-44-7	Benzyl Chloride	ND		55.7	39.6	71*	38.9	69*	2	74-130/28
108-86-1	Bromobenzene	ND		55.7	57.3	103	58.0	103	1	78-123/30
74-97-5	Bromochloromethane	ND		55.7	47.8	86	47.2	84	1	72-122/23
75-27-4	Bromodichloromethane	ND		55.7	53.3	96	53.5	95	0	73-122/25
75-25-2	Bromoform	ND		55.7	52.7	95	48.0	85	9	70-139/26
104-51-8	n-Butylbenzene	ND		55.7	57.3	103	60.7	108	6	80-138/31
135-98-8	sec-Butylbenzene	ND		55.7	59.3	107	59.9	107	1	82-132/29
98-06-6	tert-Butylbenzene	ND		55.7	58.9	106	58.6	104	1	79-130/29
108-90-7	Chlorobenzene	ND		55.7	55.1	99	54.6	97	1	83-122/23
75-00-3	Chloroethane	ND		55.7	31.2	56*	32.0	57*	3	61-153/31
67-66-3	Chloroform	ND		55.7	55.0	99	55.3	98	1	79-129/27
544-10-5	1-Chlorohexane	ND		55.7	47.0	84*	46.0	82*	2	85-137/29
95-49-8	o-Chlorotoluene	ND		55.7	58.7	105	60.1	107	2	77-123/31
106-43-4	p-Chlorotoluene	ND		55.7	58.8	106	59.2	105	1	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		278	346	124	335	119	3	52-142/25
75-15-0	Carbon disulfide	ND		55.7	29.4	53*	29.8	53*	1	61-142/27
56-23-5	Carbon tetrachloride	ND		55.7	51.6	93	51.7	92	0	79-135/29
75-34-3	1,1-Dichloroethane	ND		55.7	53.2	96	53.6	95	1	77-132/26
75-35-4	1,1-Dichloroethylene	ND		55.7	34.3	62*	35.1	62*	2	66-132/27
563-58-6	1,1-Dichloropropene	ND		55.7	49.9	90	50.6	90	1	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		55.7	22.9	41*	36.7	65*	46*	67-129/29
106-93-4	1,2-Dibromoethane	ND		55.7	54.4	98	50.5	90	7	77-126/24
107-06-2	1,2-Dichloroethane	ND		55.7	51.0	92	49.9	89	2	78-129/24
78-87-5	1,2-Dichloropropane	ND		55.7	56.0	101	54.2	96	3	74-127/27
142-28-9	1,3-Dichloropropane	ND		55.7	54.4	98	50.9	91	7	78-118/26
594-20-7	2,2-Dichloropropane	ND		55.7	52.1	94	53.4	95	2	80-137/28
124-48-1	Dibromochloromethane	ND		55.7	50.6	91	47.6	85	6	78-117/27
75-71-8	Dichlorodifluoromethane	ND		55.7	22.5	40	21.8	39	3	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		55.7	50.2	90	51.7	92	3	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		55.7	54.9	99	54.9	98	0	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61817
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61934-1MS	G0054717.D	1	12/09/08	MM	n/a	n/a	VG2068
F61934-1MSD	G0054718.D	1	12/09/08	MM	n/a	n/a	VG2068
F61934-1	G0054716.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61817-5, F61817-7

CAS No.	Compound	F61934-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		55.7	52.8	95	53.1	95	1	71-126/28
541-73-1	m-Dichlorobenzene	ND		55.7	56.0	101	57.5	102	3	82-126/29
95-50-1	o-Dichlorobenzene	ND		55.7	55.7	100	56.5	101	1	83-123/28
106-46-7	p-Dichlorobenzene	ND		55.7	56.9	102	57.8	103	2	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		55.7	49.9	90	49.8	89	0	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		55.7	59.8	107	57.8	103	3	87-131/27
100-41-4	Ethylbenzene	ND		55.7	55.4	100	53.4	95	4	82-124/25
97-63-2	Ethyl methacrylate	ND		55.7	24.9	45*	22.5	40*	10	78-118/30
76-13-1	Freon 113	ND		55.7	29.9	54*	54.8	98	59*	62-147/29
591-78-6	2-Hexanone	ND		278	233	84	205	73	13	67-130/29
87-68-3	Hexachlorobutadiene	ND		55.7	11.2	20*	27.2	48*	83*	77-150/36
110-54-3	Hexane	ND		55.7	47.5	85	47.0	84	1	65-147/27
98-82-8	Isopropylbenzene	ND		55.7	58.5	105	56.7	101	3	82-133/27
99-87-6	p-Isopropyltoluene	ND		55.7	58.7	105	60.2	107	3	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		278	288	103	264	94	9	69-125/24
126-98-7	Methacrylonitrile	ND		557	469	84	466	83	1	70-138/22
74-83-9	Methyl bromide	ND		55.7	31.9	57*	32.6	58*	2	60-146/31
74-87-3	Methyl chloride	ND		55.7	32.3	58	32.0	57*	1	58-163/26
74-88-4	Methyl iodide	ND		55.7	28.5	51*	29.5	53*	3	66-128/27
80-62-6	Methyl methacrylate	ND		55.7	63.0	113	55.9	100	12	73-125/24
74-95-3	Methylene bromide	ND		55.7	51.5	93	50.0	89	3	75-128/26
75-09-2	Methylene chloride	ND		55.7	53.4	96	50.5	90	6	62-140/25
78-93-3	Methyl ethyl ketone	ND		278	134	48*	133	47*	1	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		55.7	51.9	93	50.3	90	3	70-131/25
91-20-3	Naphthalene	ND		55.7	16.6	30*	18.7	33*	12	59-143/31
76-01-7	Pentachloroethane	ND		55.7	51.2	92	51.4	92	0	64-156/37
107-12-0	Propionitrile	ND		557	465	84	431	77	8	73-133/23
103-65-1	n-Propylbenzene	ND		55.7	58.4	105	58.5	104	0	78-129/29
100-42-5	Styrene	ND		55.7	58.7	105	56.7	101	3	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		55.7	56.5	101	52.7	94	7	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		55.7	53.5	96	52.8	94	1	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		55.7	59.2	106	57.6	103	3	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		55.7	55.2	99	52.4	93	5	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		55.7	23.6	42*	28.1	50*	17	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		55.7	50.5	91	49.5	88	2	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		55.7	3.7	7*	8.0	14*	74*	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61817
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61934-1MS	G0054717.D	1	12/09/08	MM	n/a	n/a	VG2068
F61934-1MSD	G0054718.D	1	12/09/08	MM	n/a	n/a	VG2068
F61934-1	G0054716.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61817-5, F61817-7

CAS No.	Compound	F61934-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		55.7	59.9	108	60.5	108	1	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		55.7	59.2	106	59.7	106	1	79-129/31
127-18-4	Tetrachloroethylene	ND		55.7	59.5	107	56.8	101	5	79-132/27
108-88-3	Toluene	ND		55.7	55.0	99	54.3	97	1	80-123/26
79-01-6	Trichloroethylene	ND		55.7	51.5	93	49.3	88	4	78-132/28
75-69-4	Trichlorofluoromethane	ND		55.7	31.7	57*	32.6	58*	3	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		55.7	117	210*	108	192*	8	74-138/30
75-01-4	Vinyl chloride	ND		55.7	29.2	52*	30.0	53*	3	60-145/29
108-05-4	Vinyl Acetate	ND		278	58.8	21*	59.9	21*	2	25-164/35
	m,p-Xylene	ND		111	114	102	112	100	2	82-128/25
95-47-6	o-Xylene	ND		55.7	57.6	103	56.1	100	3	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61934-1	Limits
1868-53-7	Dibromofluoromethane	98%	97%	102%	80-121%
2037-26-5	Toluene-D8	104%	104%	90%	71-130%
460-00-4	4-Bromofluorobenzene	100%	97%	93%	59-148%
17060-07-0	1,2-Dichloroethane-D4	94%	91%	104%	77-123%

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61817
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3630-MB	CD086283.D	1	12/08/08	JG	n/a	n/a	GCD3630

The QC reported here applies to the following samples: **Method:** SW846 8015

F61817-1, F61817-2, F61817-3, F61817-4, F61817-5, F61817-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	80%	56-136%
98-08-8	aaa-Trifluorotoluene	84%	61-121%

Method Blank Summary

Job Number: F61817
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3631-MB	CD086319.D	1	12/09/08	JG	n/a	n/a	GCD3631

The QC reported here applies to the following samples: **Method:** SW846 8015

F61817-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	83%	56-136%
98-08-8	aaa-Trifluorotoluene	83%	61-121%

Blank Spike Summary

Job Number: F61817
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3630-BS	CD086282.D	1	12/08/08	JG	n/a	n/a	GCD3630

The QC reported here applies to the following samples: **Method:** SW846 8015

F61817-1, F61817-2, F61817-3, F61817-4, F61817-5, F61817-7

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	20.0	100	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	109%	56-136%
98-08-8	aaa-Trifluorotoluene	93%	61-121%

Blank Spike Summary

Job Number: F61817
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3631-BS	CD086318.D	1	12/09/08	JG	n/a	n/a	GCD3631

The QC reported here applies to the following samples: **Method:** SW846 8015

F61817-6

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	19.6	98	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	110%	56-136%
98-08-8	aaa-Trifluorotoluene	99%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61817
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61816-1MS	CD086290.D	1	12/08/08	JG	n/a	n/a	GCD3630
F61816-1MSD	CD086291.D	1	12/08/08	JG	n/a	n/a	GCD3630
F61816-1	CD086284.D	1	12/08/08	JG	n/a	n/a	GCD3630

The QC reported here applies to the following samples: **Method:** SW846 8015

F61817-1, F61817-2, F61817-3, F61817-4, F61817-5, F61817-7

CAS No.	Compound	F61816-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		25.4	24.8	98	26.6	105	7	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61816-1	Limits
460-00-4	4-Bromofluorobenzene	111%	114%	84%	56-136%
98-08-8	aaa-Trifluorotoluene	99%	103%	82%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61817
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61879-3MS	CD086326.D	1	12/09/08	JG	n/a	n/a	GCD3631
F61879-3MSD	CD086327.D	1	12/09/08	JG	n/a	n/a	GCD3631
F61879-3	CD086322.D	1	12/09/08	JG	n/a	n/a	GCD3631

The QC reported here applies to the following samples: **Method:** SW846 8015

F61817-6

CAS No.	Compound	F61879-3 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	4.19	J	32.2	32.2	87	33.5	91	4	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61879-3	Limits
460-00-4	4-Bromofluorobenzene	111%	115%	82%	56-136%
98-08-8	aaa-Trifluorotoluene	103%	99%	85%	61-121%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61817
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27313-MB	LL24319.D	1	12/04/08	NY	12/03/08	OP27313	GLL908

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61817-1, F61817-2, F61817-3, F61817-4, F61817-5, F61817-6, F61817-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	90%	49-108%

Blank Spike Summary

Job Number: F61817
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27313-BS	LL24318.D	1	12/04/08	NY	12/03/08	OP27313	GLL908

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61817-1, F61817-2, F61817-3, F61817-4, F61817-5, F61817-6, F61817-7

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	27.4	82	64-102
	TPH (> C22-C36)	33.3	31.2	94	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	87%	49-108%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61817
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27313-MS	LL24325.D	1	12/04/08	NY	12/03/08	OP27313	GLL908
OP27313-MSD	LL24326.D	1	12/04/08	NY	12/03/08	OP27313	GLL908
F61816-3	LL24324.D	1	12/04/08	NY	12/03/08	OP27313	GLL908

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61817-1, F61817-2, F61817-3, F61817-4, F61817-5, F61817-6, F61817-7

CAS No.	Compound	F61816-3 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		37	31.4	85	28.3	76	10	64-102/32
	TPH (> C22-C36)	ND		37	36.7	99	31.8	85	14	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F61816-3	Limits
84-15-1	o-Terphenyl	88%	83%	76%	49-108%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/17/08

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F61879

Sampling Date: 12/01/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **69**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Sections: 1 2 3 4 5 6 7

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F61879-1: SS61-SB32-9 7
3.2: F61879-2: SS61-SB32-17 12
3.3: F61879-3: SS61-SB32-35 17
3.4: F61879-4: TRIP BLANK 22
Section 4: Misc. Forms **25**
4.1: Chain of Custody 26
Section 5: GC/MS Volatiles - QC Data Summaries **28**
5.1: Method Blank Summary 29
5.2: Blank Spike Summary 39
5.3: Matrix Spike/Matrix Spike Duplicate Summary 49
Section 6: GC Volatiles - QC Data Summaries **59**
6.1: Method Blank Summary 60
6.2: Blank Spike Summary 62
6.3: Matrix Spike/Matrix Spike Duplicate Summary 64
Section 7: GC Semi-volatiles - QC Data Summaries **66**
7.1: Method Blank Summary 67
7.2: Blank Spike Summary 68
7.3: Matrix Spike/Matrix Spike Duplicate Summary 69

Sample Summary

North Wind, Inc

Job No: F61879

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F61879-1	12/01/08	09:15	ZB	12/02/08	SO	Soil	SS61-SB32-9
F61879-2	12/01/08	09:30	ZB	12/02/08	SO	Soil	SS61-SB32-17
F61879-3	12/01/08	09:45	ZB	12/02/08	SO	Soil	SS61-SB32-35
F61879-4	12/01/08	00:00	ZB	12/02/08	SO	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F61879

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/17/2008 1:11:31

3 Samples, 1 Trip Blank were collected on 12/01/2008 and received at Accutest on 12/02/2008 properly preserved, at 2 Deg. C and intact. These Samples received an Accutest job number of F61879. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2067

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61902-1MS, F61902-1MSD were used as the QC samples indicated.

Blank Spike Recovery(s) for 1,2,4-Trichlorobenzene, 2,2-Dichloropropane, Acrolein, Freon 113, Hexachlorobutadiene, Naphthalene, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1-Chlorohexane, 2-Hexanone, Acetone, Acrolein, Benzyl Chloride, Carbon tetrachloride, Dibromochloromethane, Ethyl methacrylate, Hexachlorobutadiene, Methyl ethyl ketone, Naphthalene, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,2-Dibromoethane, 1,3-Dichloropropane, 1-Chlorohexane, 2-Hexanone, Acetone, Acrolein, Benzyl Chloride, Dibromochloromethane, Ethyl methacrylate, Hexachlorobutadiene, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Matrix: SO **Batch ID:** VG2068

All samples were analyzed within the recommended method holding time.

Sample(s) F61934-1MS, F61934-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for 1,2,4-Trichlorobenzene, Acetone, Methyl ethyl ketone, Propionitrile, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for 1,1-Dichloroethylene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, 1-Chlorohexane, Acetone, Acrolein, Benzyl Chloride, Carbon disulfide, Chloroethane, Ethyl methacrylate, Freon 113, Hexachlorobutadiene, Methyl bromide, Methyl ethyl ketone, Methyl iodide, Naphthalene, Trans-1,4-Dichloro-2-Butene, Trichlorofluoromethane, Vinyl Acetate, Vinyl chloride are outside control limits. Probable cause

Matrix Spike Duplicate Recovery(s) for 1,1-Dichloroethylene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, 1-Chlorohexane, Acetone, Acrolein, Benzyl Chloride, Carbon disulfide, Chloroethane, Ethyl methacrylate, Hexachlorobutadiene, Methyl bromide, Methyl chloride, Methyl ethyl ketone, Methyl iodide, Naphthalene, Trans-1,4-Dichloro-2-Butene, Trichlorofluoromethane, Vinyl Acetate, Vinyl chloride are outside control limits. Probable cause due to matrix interference.

RPD(s) for MSD for 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, Acrolein, Freon 113, Hexachlorobutadiene are outside control limits for sample F61934-1MSD. Probable cause due to sample homogeneity.

F61879-2 for Methylene chloride: Suspected laboratory contaminant.

Matrix: SO **Batch ID:** VG2070

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61879-3MS, F61879-3MSD were used as the QC samples indicated.

Blank Spike Recovery(s) for Acetone, Acrolein, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene are outside control limits.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2070

Matrix Spike Recovery(s) for 2-Hexanone, Acetone, Acrolein, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Propionitrile, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for Acetone, Acrolein, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone,

Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

F61879-3 for Acetone: Associated BS recovery outside control limits.

Matrix: SO **Batch ID:** VG2071

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61975-4MS, F61975-4MSD were used as the QC samples indicated.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GCD3630

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61816-1MS, F61816-1MSD were used as the QC samples indicated.

Sample(s) F61879-2 have surrogates outside control limits. Probable cause due to matrix interference.

Matrix: SO **Batch ID:** GCD3631

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61879-3MS, F61879-3MSD were used as the QC samples indicated.

Sample(s) F61879-2 have surrogates outside control limits. Probable cause due to matrix interference.

F61879-2 for 4-Bromofluorobenzene: Result reported from PID.

F61879-2 for 4-Bromofluorobenzene: Outside control limits due to matrix interference.

Extractables by GC By Method SW846 8015 M

Matrix: SO **Batch ID:** OP27313

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F61816-3MS, F61816-3MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

F61879-2 for TPH (C10-C22): Petroleum hydrocarbon pattern begins before C10.

Wet Chemistry By Method SM19 2540B M

Matrix: SO **Batch ID:** GN33013

Sample(s) F61880-1DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: December 17, 2008

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-SB32-9		
Lab Sample ID:	F61879-1	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/02/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	78.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054700.D	1	12/08/08	MM	12/02/08 10:25	n/a	VG2067
Run #2							

	Initial Weight
Run #1	5.41 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	59	30	ug/kg	
75-05-8	Acetonitrile	ND	59	19	ug/kg	
107-02-8	Acrolein	ND	30	12	ug/kg	
107-13-1	Acrylonitrile	ND	30	8.2	ug/kg	
107-05-1	Allyl chloride	ND	30	5.9	ug/kg	
71-43-2	Benzene	ND	5.9	1.2	ug/kg	
100-44-7	Benzyl Chloride	ND	5.9	1.3	ug/kg	
108-86-1	Bromobenzene	ND	5.9	1.2	ug/kg	
74-97-5	Bromochloromethane	ND	5.9	2.0	ug/kg	
75-27-4	Bromodichloromethane	ND	5.9	1.4	ug/kg	
75-25-2	Bromoform	ND	5.9	1.8	ug/kg	
104-51-8	n-Butylbenzene	ND	5.9	1.7	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.9	1.3	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.9	1.3	ug/kg	
108-90-7	Chlorobenzene	ND	5.9	1.2	ug/kg	
75-00-3	Chloroethane	ND	5.9	2.4	ug/kg	
67-66-3	Chloroform	ND	5.9	2.0	ug/kg	
544-10-5	1-Chlorohexane	ND	5.9	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.9	1.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.9	1.2	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	30	12	ug/kg	
75-15-0	Carbon disulfide	ND	5.9	1.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.9	1.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.9	2.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.9	1.5	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.9	1.7	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.9	2.8	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.9	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.9	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.9	1.7	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.9	1.2	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.9	2.5	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB32-9		
Lab Sample ID:	F61879-1	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/02/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	78.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.9	1.2	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.9	2.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.9	1.9	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.9	1.5	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	30	5.9	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.9	1.2	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.9	1.2	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.9	1.2	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.9	1.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.9	1.2	ug/kg	
100-41-4	Ethylbenzene	ND	5.9	1.2	ug/kg	
97-63-2	Ethyl methacrylate	ND	30	5.9	ug/kg	
76-13-1	Freon 113	ND	5.9	3.1	ug/kg	
591-78-6	2-Hexanone	ND	30	5.9	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.9	1.4	ug/kg	
110-54-3	Hexane	ND	5.9	2.8	ug/kg	
98-82-8	Isopropylbenzene	ND	5.9	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.9	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	30	7.6	ug/kg	
126-98-7	Methacrylonitrile	ND	30	6.5	ug/kg	
74-83-9	Methyl bromide	ND	5.9	2.6	ug/kg	
74-87-3	Methyl chloride	ND	5.9	2.8	ug/kg	
74-88-4	Methyl iodide	ND	12	2.4	ug/kg	
80-62-6	Methyl methacrylate	ND	30	5.9	ug/kg	
74-95-3	Methylene bromide	ND	5.9	1.8	ug/kg	
75-09-2	Methylene chloride	ND	12	5.9	ug/kg	
78-93-3	Methyl ethyl ketone	ND	30	9.8	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.9	1.8	ug/kg	
91-20-3	Naphthalene	ND	5.9	2.4	ug/kg	
76-01-7	Pentachloroethane	ND	30	5.9	ug/kg	
107-12-0	Propionitrile	ND	59	14	ug/kg	
103-65-1	n-Propylbenzene	ND	5.9	1.4	ug/kg	
100-42-5	Styrene	ND	5.9	1.2	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.9	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.9	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.9	2.1	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.9	1.2	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.9	2.4	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.9	2.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.9	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB32-9		
Lab Sample ID:	F61879-1	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/02/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	78.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.9	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.9	1.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.9	1.4	ug/kg	
108-88-3	Toluene	ND	5.9	1.2	ug/kg	
79-01-6	Trichloroethylene	ND	5.9	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.9	2.4	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	30	5.9	ug/kg	
75-01-4	Vinyl chloride	ND	5.9	2.4	ug/kg	
108-05-4	Vinyl Acetate	ND	30	14	ug/kg	
	m,p-Xylene	ND	12	2.2	ug/kg	
95-47-6	o-Xylene	ND	5.9	1.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-121%
2037-26-5	Toluene-D8	88%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	101%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB32-9		
Lab Sample ID:	F61879-1	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/02/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	78.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086309.D	1	12/08/08	JG	12/02/08 10:25	n/a	GCD3630
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.50 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	8.5	4.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	85%		56-136%
98-08-8	aaa-Trifluorotoluene	85%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB32-9		
Lab Sample ID:	F61879-1	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/02/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	78.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24339.D	1	12/05/08	NY	12/03/08	OP27313	GLL908
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.3	mg/kg	
	TPH (> C22-C36)	ND	10	6.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	82%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB32-17		
Lab Sample ID:	F61879-2	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/02/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054713.D	1	12/09/08	MM	12/02/08 10:25	n/a	VG2068
Run #2	G0054813.D	1	12/12/08	MM	12/02/08 10:25	n/a	VG2071

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.82 g	5.0 ml	100 ul
Run #2	5.82 g	5.0 ml	10.0 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3100	1600	ug/kg	
75-05-8	Acetonitrile	ND	3100	1000	ug/kg	
107-02-8	Acrolein	ND	1600	620	ug/kg	
107-13-1	Acrylonitrile	ND	1600	430	ug/kg	
107-05-1	Allyl chloride	ND	1600	310	ug/kg	
71-43-2	Benzene	ND	310	63	ug/kg	
100-44-7	Benzyl Chloride	ND	310	69	ug/kg	
108-86-1	Bromobenzene	ND	310	63	ug/kg	
74-97-5	Bromochloromethane	ND	310	110	ug/kg	
75-27-4	Bromodichloromethane	ND	310	75	ug/kg	
75-25-2	Bromoform	ND	310	94	ug/kg	
104-51-8	n-Butylbenzene	ND	310	88	ug/kg	
135-98-8	sec-Butylbenzene	1100	310	69	ug/kg	
98-06-6	tert-Butylbenzene	456	310	69	ug/kg	
108-90-7	Chlorobenzene	ND	310	63	ug/kg	
75-00-3	Chloroethane	ND	310	130	ug/kg	
67-66-3	Chloroform	ND	310	110	ug/kg	
544-10-5	1-Chlorohexane	ND	310	82	ug/kg	
95-49-8	o-Chlorotoluene	ND	310	63	ug/kg	
106-43-4	p-Chlorotoluene	ND	310	63	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1600	630	ug/kg	
75-15-0	Carbon disulfide	ND	310	69	ug/kg	
56-23-5	Carbon tetrachloride	ND	310	88	ug/kg	
75-34-3	1,1-Dichloroethane	ND	310	130	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	310	82	ug/kg	
563-58-6	1,1-Dichloropropene	ND	310	88	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	310	150	ug/kg	
106-93-4	1,2-Dibromoethane	ND	310	63	ug/kg	
107-06-2	1,2-Dichloroethane	ND	310	69	ug/kg	
78-87-5	1,2-Dichloropropane	ND	310	88	ug/kg	
142-28-9	1,3-Dichloropropane	ND	310	63	ug/kg	
594-20-7	2,2-Dichloropropane	ND	310	130	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB32-17		
Lab Sample ID:	F61879-2	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/02/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	310	63	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	310	130	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	310	100	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	310	82	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	1600	310	ug/kg	
541-73-1	m-Dichlorobenzene	ND	310	63	ug/kg	
95-50-1	o-Dichlorobenzene	ND	310	63	ug/kg	
106-46-7	p-Dichlorobenzene	ND	310	63	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	310	75	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	310	63	ug/kg	
100-41-4	Ethylbenzene	9820	310	63	ug/kg	
97-63-2	Ethyl methacrylate	ND	1600	310	ug/kg	
76-13-1	Freon 113	ND	310	160	ug/kg	
591-78-6	2-Hexanone	ND	1600	310	ug/kg	
87-68-3	Hexachlorobutadiene	ND	310	75	ug/kg	
110-54-3	Hexane	ND	310	150	ug/kg	
98-82-8	Isopropylbenzene	80000 [a]	3100	690	ug/kg	
99-87-6	p-Isopropyltoluene	85.5	310	69	ug/kg	J
108-10-1	4-Methyl-2-pentanone	ND	1600	400	ug/kg	
126-98-7	Methacrylonitrile	ND	1600	350	ug/kg	
74-83-9	Methyl bromide	ND	310	140	ug/kg	
74-87-3	Methyl chloride	ND	310	150	ug/kg	
74-88-4	Methyl iodide	ND	630	130	ug/kg	
80-62-6	Methyl methacrylate	ND	1600	310	ug/kg	
74-95-3	Methylene bromide	ND	310	94	ug/kg	
75-09-2	Methylene chloride [b]	4030	630	310	ug/kg	
78-93-3	Methyl ethyl ketone	ND	1600	520	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	310	94	ug/kg	
91-20-3	Naphthalene	ND	310	130	ug/kg	
76-01-7	Pentachloroethane	ND	1600	310	ug/kg	
107-12-0	Propionitrile	ND	3100	750	ug/kg	
103-65-1	n-Propylbenzene	3750	310	75	ug/kg	
100-42-5	Styrene	ND	310	63	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	310	63	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	310	69	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	310	110	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	310	63	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	310	130	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	310	120	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	310	130	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB32-17		
Lab Sample ID:	F61879-2	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/02/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	614	310	63	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	310	63	ug/kg	
127-18-4	Tetrachloroethylene	ND	310	75	ug/kg	
108-88-3	Toluene	ND	310	63	ug/kg	
79-01-6	Trichloroethylene	ND	310	75	ug/kg	
75-69-4	Trichlorofluoromethane	ND	310	130	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	1600	310	ug/kg	
75-01-4	Vinyl chloride	ND	310	130	ug/kg	
108-05-4	Vinyl Acetate	ND	1600	750	ug/kg	
	m,p-Xylene	467	630	120	ug/kg	J
95-47-6	o-Xylene	371	310	63	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%	97%	80-121%
2037-26-5	Toluene-D8	84%	94%	71-130%
460-00-4	4-Bromofluorobenzene	93%	92%	59-148%
17060-07-0	1,2-Dichloroethane-D4	95%	105%	77-123%

(a) Result is from Run# 2
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB32-17		
Lab Sample ID:	F61879-2	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/02/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	82.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086321.D	1	12/09/08	JG	12/02/08 10:25	n/a	GCD3631
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.82 g	5.0 ml	2.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1710	310	160	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95% [a]		56-136%
460-00-4	4-Bromofluorobenzene	206% [b]		56-136%
98-08-8	aaa-Trifluorotoluene	107%		61-121%

(a) Result reported from PID.
(b) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB32-17		
Lab Sample ID:	F61879-2	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/02/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	82.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24380.D	1	12/05/08	NY	12/03/08	OP27313	GLL908
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22) [a]	6.18	10	6.1	mg/kg	J
	TPH (> C22-C36)	ND	10	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	84%		49-108%

(a) Petroleum hydrocarbon pattern begins before C10.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB32-35		
Lab Sample ID:	F61879-3	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/02/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	75.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054788.D	1	12/11/08	MM	12/02/08 10:25	n/a	VG2070
Run #2							

	Initial Weight
Run #1	5.47 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	32.9	61	30	ug/kg	
75-05-8	Acetonitrile	ND	61	19	ug/kg	
107-02-8	Acrolein	ND	30	12	ug/kg	
107-13-1	Acrylonitrile	ND	30	8.4	ug/kg	
107-05-1	Allyl chloride	ND	30	6.1	ug/kg	
71-43-2	Benzene	ND	6.1	1.2	ug/kg	
100-44-7	Benzyl Chloride	ND	6.1	1.3	ug/kg	
108-86-1	Bromobenzene	ND	6.1	1.2	ug/kg	
74-97-5	Bromochloromethane	ND	6.1	2.1	ug/kg	
75-27-4	Bromodichloromethane	ND	6.1	1.5	ug/kg	
75-25-2	Bromoform	ND	6.1	1.8	ug/kg	
104-51-8	n-Butylbenzene	ND	6.1	1.7	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.1	1.3	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.1	1.3	ug/kg	
108-90-7	Chlorobenzene	ND	6.1	1.2	ug/kg	
75-00-3	Chloroethane	ND	6.1	2.4	ug/kg	
67-66-3	Chloroform	ND	6.1	2.1	ug/kg	
544-10-5	1-Chlorohexane	ND	6.1	1.6	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.1	1.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.1	1.2	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	30	12	ug/kg	
75-15-0	Carbon disulfide	1.4	6.1	1.3	ug/kg	J
56-23-5	Carbon tetrachloride	ND	6.1	1.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.1	2.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.1	1.6	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.1	1.7	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.1	2.9	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.1	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.1	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.1	1.7	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.1	1.2	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.1	2.5	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB32-35		
Lab Sample ID:	F61879-3	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/02/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	75.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	6.1	1.2	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.1	2.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.1	1.9	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.1	1.6	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	30	6.1	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.1	1.2	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.1	1.2	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.1	1.2	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.1	1.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.1	1.2	ug/kg	
100-41-4	Ethylbenzene	ND	6.1	1.2	ug/kg	
97-63-2	Ethyl methacrylate	ND	30	6.1	ug/kg	
76-13-1	Freon 113	ND	6.1	3.2	ug/kg	
591-78-6	2-Hexanone	ND	30	6.1	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.1	1.5	ug/kg	
110-54-3	Hexane	ND	6.1	2.9	ug/kg	
98-82-8	Isopropylbenzene	ND	6.1	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.1	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	30	7.8	ug/kg	
126-98-7	Methacrylonitrile	ND	30	6.7	ug/kg	
74-83-9	Methyl bromide	ND	6.1	2.7	ug/kg	
74-87-3	Methyl chloride	ND	6.1	2.9	ug/kg	
74-88-4	Methyl iodide	ND	12	2.4	ug/kg	
80-62-6	Methyl methacrylate	ND	30	6.1	ug/kg	
74-95-3	Methylene bromide	ND	6.1	1.8	ug/kg	
75-09-2	Methylene chloride	ND	12	6.1	ug/kg	
78-93-3	Methyl ethyl ketone	ND	30	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.1	1.8	ug/kg	
91-20-3	Naphthalene	ND	6.1	2.4	ug/kg	
76-01-7	Pentachloroethane	ND	30	6.1	ug/kg	
107-12-0	Propionitrile	ND	61	15	ug/kg	
103-65-1	n-Propylbenzene	ND	6.1	1.5	ug/kg	
100-42-5	Styrene	ND	6.1	1.2	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.1	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.1	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.1	2.2	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.1	1.2	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.1	2.4	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.1	2.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.1	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB32-35		
Lab Sample ID:	F61879-3	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/02/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	75.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	6.1	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.1	1.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.1	1.5	ug/kg	
108-88-3	Toluene	ND	6.1	1.2	ug/kg	
79-01-6	Trichloroethylene	ND	6.1	1.5	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.1	2.4	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	30	6.1	ug/kg	
75-01-4	Vinyl chloride	ND	6.1	2.4	ug/kg	
108-05-4	Vinyl Acetate	ND	30	15	ug/kg	
	m,p-Xylene	ND	12	2.3	ug/kg	
95-47-6	o-Xylene	ND	6.1	1.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-121%
2037-26-5	Toluene-D8	94%		71-130%
460-00-4	4-Bromofluorobenzene	93%		59-148%
17060-07-0	1,2-Dichloroethane-D4	98%		77-123%

(a) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB32-35		
Lab Sample ID:	F61879-3	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/02/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	75.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086322.D	1	12/09/08	JG	12/02/08 10:25	n/a	GCD3631
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.17 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	4.19	8.1	4.0	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	82%		56-136%
98-08-8	aaa-Trifluorotoluene	85%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB32-35		
Lab Sample ID:	F61879-3	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/02/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	75.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24344.D	1	12/05/08	NY	12/03/08	OP27313	GLL908
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	11	6.5	mg/kg	
	TPH (> C22-C36)	ND	11	6.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	82%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61879-4	**Date Sampled:**	12/01/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/02/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054715.D	1	12/09/08	MM	n/a	n/a	VG2068
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61879-4	**Date Sampled:**	12/01/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/02/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61879-4	**Date Sampled:**	12/01/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/02/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-121%
2037-26-5	Toluene-D8	93%		71-130%
460-00-4	4-Bromofluorobenzene	95%		59-148%
17060-07-0	1,2-Dichloroethane-D4	100%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

F61879

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number [1]: 12-1-2008-1

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Zack Beck / Greg Kingsman

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)						Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
									Sample Analysis Requested [5]										Quality Assurance Samples [6]			
1	SS61-SB32-9	SS61-SB32	1-12-2008	0915	7 - 9	N	01	SO	5	X	X	X										1
2	SS61-SB32-17	SS61-SB32	1-12-2008	0930	15 - 17	N	01	SO	5	X	X	X										1
3	SS61-SB32-35	SS61-SB32	1-12-2008	0945	34 - 35	N	01	SO	5	X	X	X										1
4	Trip Blank				-	TB		WQ	3	X												1
					-																	
					-																	
					-																	
					-																	
					-																	
					-																	
					-																	

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time		Received by (signed)	Date	Time
1.	[signature]	12/10/08	1400	1.	[signature]		
2.	[signature]			2.	[signature]	12-2-08	09:30
3.				3.			

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: _____ Shipped No.: _____

Method of Shipment: _____ Airbill Number: _____

Analytical Lab: Accutest Laboratories Delivery Location: _____

Lab Recipient: _____ Delivery Date/Time: _____

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

2.0

F61879: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61879 CLIENT: Bhate PROJECT: SS-61

DATE/TIME RECEIVED: 12-2-08 09:30 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.0

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8651 5824 0408

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [X] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 12

NUMBER OF 5035 FIELD KITS ? TB

NUMBER OF LAB FILTERED METALS ? 8

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE E.T. 12-2-08 TECHNICIAN SIGNATURE/DATE ASBD 12/17/07

4.1 4

F61879: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61879
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2067-MB	G0054678.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61879-1

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61879
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2067-MB	G0054678.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61879-1

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	7.7	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	3.6	5.0	2.0	ug/kg	J

Method Blank Summary

Job Number: F61879
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2067-MB	G0054678.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61879-1

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	80-121%
2037-26-5	Toluene-D8	88%	71-130%
460-00-4	4-Bromofluorobenzene	94%	59-148%
17060-07-0	1,2-Dichloroethane-D4	102%	77-123%

Method Blank Summary

Job Number: F61879
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2068-MB	G0054709.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61879-2, F61879-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61879
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2068-MB	G0054709.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61879-2, F61879-4

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	1.2	5.0	1.2	ug/kg	J
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F61879
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2068-MB	G0054709.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61879-2, F61879-4

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	1.4	5.0	1.0	ug/kg	J
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	80-121%
2037-26-5	Toluene-D8	91%	71-130%
460-00-4	4-Bromofluorobenzene	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	104%	77-123%

Method Blank Summary

Job Number: F61879
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2070-MB	G0054786.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61879-3

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61879
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2070-MB	G0054786.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61879-3

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	5.7	10	5.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F61879
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2070-MB	G0054786.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61879-3

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	97%	80-121%
2037-26-5	Toluene-D8	95%	71-130%
460-00-4	4-Bromofluorobenzene	100%	59-148%
17060-07-0	1,2-Dichloroethane-D4	101%	77-123%

Method Blank Summary

Job Number: F61879
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2071-MB	G0054811.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61879-2

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	80-121%
2037-26-5	Toluene-D8	91%	71-130%
460-00-4	4-Bromofluorobenzene	92%	59-148%
17060-07-0	1,2-Dichloroethane-D4	100%	77-123%

Blank Spike Summary

Job Number: F61879
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2067-BS	G0054692.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61879-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	167	67	61-144
75-05-8	Acetonitrile	500	508	102	59-139
107-02-8	Acrolein	250	49.0	20*	27-156
107-13-1	Acrylonitrile	250	291	116	55-144
107-05-1	Allyl chloride	50	59.7	119	41-152
71-43-2	Benzene	50	56.2	112	78-130
100-44-7	Benzyl Chloride	50	51.7	103	74-130
108-86-1	Bromobenzene	50	53.6	107	78-123
74-97-5	Bromochloromethane	50	44.7	89	72-122
75-27-4	Bromodichloromethane	50	49.7	99	73-122
75-25-2	Bromoform	50	47.1	94	70-139
104-51-8	n-Butylbenzene	50	62.6	125	80-138
135-98-8	sec-Butylbenzene	50	60.2	120	82-132
98-06-6	tert-Butylbenzene	50	58.7	117	79-130
108-90-7	Chlorobenzene	50	53.4	107	83-122
75-00-3	Chloroethane	50	48.7	97	61-153
67-66-3	Chloroform	50	55.2	110	79-129
544-10-5	1-Chlorohexane	50	50.8	102	85-137
95-49-8	o-Chlorotoluene	50	56.3	113	77-123
106-43-4	p-Chlorotoluene	50	56.7	113	78-129
110-75-8	2-Chloroethyl vinyl ether	250	324	130	52-142
75-15-0	Carbon disulfide	50	44.8	90	61-142
56-23-5	Carbon tetrachloride	50	58.3	117	79-135
75-34-3	1,1-Dichloroethane	50	55.6	111	77-132
75-35-4	1,1-Dichloroethylene	50	54.0	108	66-132
563-58-6	1,1-Dichloropropene	50	55.3	111	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	60.8	122	67-129
106-93-4	1,2-Dibromoethane	50	47.3	95	77-126
107-06-2	1,2-Dichloroethane	50	49.4	99	78-129
78-87-5	1,2-Dichloropropane	50	51.9	104	74-127
142-28-9	1,3-Dichloropropane	50	48.8	98	78-118
594-20-7	2,2-Dichloropropane	50	69.8	140*	80-137
124-48-1	Dibromochloromethane	50	44.7	89	78-117
75-71-8	Dichlorodifluoromethane	50	36.0	72	35-162
156-59-2	cis-1,2-Dichloroethylene	50	50.9	102	74-123
10061-01-5	cis-1,3-Dichloropropene	50	53.0	106	79-130

Blank Spike Summary

Job Number: F61879
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2067-BS	G0054692.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61879-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	53.3	107	71-126
541-73-1	m-Dichlorobenzene	50	55.2	110	82-126
95-50-1	o-Dichlorobenzene	50	56.6	113	83-123
106-46-7	p-Dichlorobenzene	50	56.5	113	84-124
156-60-5	trans-1,2-Dichloroethylene	50	53.6	107	77-129
10061-02-6	trans-1,3-Dichloropropene	50	55.8	112	87-131
100-41-4	Ethylbenzene	50	54.9	110	82-124
97-63-2	Ethyl methacrylate	50	51.5	103	78-118
76-13-1	Freon 113	50	79.3	159*	62-147
591-78-6	2-Hexanone	250	228	91	67-130
87-68-3	Hexachlorobutadiene	50	78.0	156*	77-150
110-54-3	Hexane	50	63.6	127	65-147
98-82-8	Isopropylbenzene	50	57.8	116	82-133
99-87-6	p-Isopropyltoluene	50	60.9	122	82-132
108-10-1	4-Methyl-2-pentanone	250	258	103	69-125
126-98-7	Methacrylonitrile	500	472	94	70-138
74-83-9	Methyl bromide	50	48.7	97	60-146
74-87-3	Methyl chloride	50	49.0	98	58-163
74-88-4	Methyl iodide	50	42.2	84	66-128
80-62-6	Methyl methacrylate	50	50.0	100	73-125
74-95-3	Methylene bromide	50	49.2	98	75-128
75-09-2	Methylene chloride	50	58.8	118	62-140
78-93-3	Methyl ethyl ketone	250	177	71	66-134
1634-04-4	Methyl Tert Butyl Ether	50	50.9	102	70-131
91-20-3	Naphthalene	50	97.2	194*	59-143
76-01-7	Pentachloroethane	50	57.0	114	64-156
107-12-0	Propionitrile	500	467	93	73-133
103-65-1	n-Propylbenzene	50	58.0	116	78-129
100-42-5	Styrene	50	54.6	109	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	51.3	103	81-121
71-55-6	1,1,1-Trichloroethane	50	58.4	117	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	54.2	108	70-128
79-00-5	1,1,2-Trichloroethane	50	50.0	100	76-118
87-61-6	1,2,3-Trichlorobenzene	50	67.2	134	78-136
96-18-4	1,2,3-Trichloropropane	50	47.5	95	74-125
120-82-1	1,2,4-Trichlorobenzene	50	114	228*	82-137

Blank Spike Summary

Job Number: F61879
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2067-BS	G0054692.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61879-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	57.8	116	77-129
108-67-8	1,3,5-Trimethylbenzene	50	57.2	114	79-129
127-18-4	Tetrachloroethylene	50	55.1	110	79-132
108-88-3	Toluene	50	53.1	106	80-123
79-01-6	Trichloroethylene	50	54.9	110	78-132
75-69-4	Trichlorofluoromethane	50	54.8	110	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	108	216*	74-138
75-01-4	Vinyl chloride	50	47.5	95	60-145
108-05-4	Vinyl Acetate	250	405	162	25-164
	m,p-Xylene	100	113	113	82-128
95-47-6	o-Xylene	50	55.2	110	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	80-121%
2037-26-5	Toluene-D8	98%	71-130%
460-00-4	4-Bromofluorobenzene	95%	59-148%
17060-07-0	1,2-Dichloroethane-D4	95%	77-123%

Blank Spike Summary

Job Number: F61879
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2068-BS	G0054708.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61879-2, F61879-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	96.2	38*	61-144
75-05-8	Acetonitrile	500	391	78	59-139
107-02-8	Acrolein	250	67.9	27	27-156
107-13-1	Acrylonitrile	250	264	106	55-144
107-05-1	Allyl chloride	50	45.3	91	41-152
71-43-2	Benzene	50	47.4	95	78-130
100-44-7	Benzyl Chloride	50	42.2	84	74-130
108-86-1	Bromobenzene	50	49.2	98	78-123
74-97-5	Bromochloromethane	50	40.3	81	72-122
75-27-4	Bromodichloromethane	50	43.6	87	73-122
75-25-2	Bromoform	50	40.4	81	70-139
104-51-8	n-Butylbenzene	50	54.4	109	80-138
135-98-8	sec-Butylbenzene	50	52.5	105	82-132
98-06-6	tert-Butylbenzene	50	50.7	101	79-130
108-90-7	Chlorobenzene	50	47.4	95	83-122
75-00-3	Chloroethane	50	40.0	80	61-153
67-66-3	Chloroform	50	47.7	95	79-129
544-10-5	1-Chlorohexane	50	42.5	85	85-137
95-49-8	o-Chlorotoluene	50	50.5	101	77-123
106-43-4	p-Chlorotoluene	50	50.9	102	78-129
110-75-8	2-Chloroethyl vinyl ether	250	259	104	52-142
75-15-0	Carbon disulfide	50	36.6	73	61-142
56-23-5	Carbon tetrachloride	50	45.7	91	79-135
75-34-3	1,1-Dichloroethane	50	46.7	93	77-132
75-35-4	1,1-Dichloroethylene	50	41.8	84	66-132
563-58-6	1,1-Dichloropropene	50	45.0	90	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	39.0	78	67-129
106-93-4	1,2-Dibromoethane	50	41.5	83	77-126
107-06-2	1,2-Dichloroethane	50	41.4	83	78-129
78-87-5	1,2-Dichloropropane	50	46.1	92	74-127
142-28-9	1,3-Dichloropropane	50	43.4	87	78-118
594-20-7	2,2-Dichloropropane	50	52.5	105	80-137
124-48-1	Dibromochloromethane	50	39.1	78	78-117
75-71-8	Dichlorodifluoromethane	50	29.0	58	35-162
156-59-2	cis-1,2-Dichloroethylene	50	45.3	91	74-123
10061-01-5	cis-1,3-Dichloropropene	50	46.6	93	79-130

Blank Spike Summary

Job Number: F61879
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2068-BS	G0054708.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61879-2, F61879-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	41.8	84	71-126
541-73-1	m-Dichlorobenzene	50	48.6	97	82-126
95-50-1	o-Dichlorobenzene	50	48.8	98	83-123
106-46-7	p-Dichlorobenzene	50	50.6	101	84-124
156-60-5	trans-1,2-Dichloroethylene	50	44.1	88	77-129
10061-02-6	trans-1,3-Dichloropropene	50	49.4	99	87-131
100-41-4	Ethylbenzene	50	47.9	96	82-124
97-63-2	Ethyl methacrylate	50	39.6	79	78-118
76-13-1	Freon 113	50	32.7	65	62-147
591-78-6	2-Hexanone	250	186	74	67-130
87-68-3	Hexachlorobutadiene	50	47.1	94	77-150
110-54-3	Hexane	50	50.0	100	65-147
98-82-8	Isopropylbenzene	50	50.5	101	82-133
99-87-6	p-Isopropyltoluene	50	53.4	107	82-132
108-10-1	4-Methyl-2-pentanone	250	211	84	69-125
126-98-7	Methacrylonitrile	500	355	71	70-138
74-83-9	Methyl bromide	50	40.2	80	60-146
74-87-3	Methyl chloride	50	39.9	80	58-163
74-88-4	Methyl iodide	50	36.8	74	66-128
80-62-6	Methyl methacrylate	50	37.6	75	73-125
74-95-3	Methylene bromide	50	42.4	85	75-128
75-09-2	Methylene chloride	50	46.4	93	62-140
78-93-3	Methyl ethyl ketone	250	142	57*	66-134
1634-04-4	Methyl Tert Butyl Ether	50	41.3	83	70-131
91-20-3	Naphthalene	50	36.1	72	59-143
76-01-7	Pentachloroethane	50	47.0	94	64-156
107-12-0	Propionitrile	500	335	67*	73-133
103-65-1	n-Propylbenzene	50	51.7	103	78-129
100-42-5	Styrene	50	48.7	97	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	45.6	91	81-121
71-55-6	1,1,1-Trichloroethane	50	45.6	91	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	45.2	90	70-128
79-00-5	1,1,2-Trichloroethane	50	42.3	85	76-118
87-61-6	1,2,3-Trichlorobenzene	50	40.2	80	78-136
96-18-4	1,2,3-Trichloropropane	50	39.9	80	74-125
120-82-1	1,2,4-Trichlorobenzene	50	33.9	68*	82-137

Blank Spike Summary

Job Number: F61879
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2068-BS	G0054708.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61879-2, F61879-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	51.8	104	77-129
108-67-8	1,3,5-Trimethylbenzene	50	50.5	101	79-129
127-18-4	Tetrachloroethylene	50	47.9	96	79-132
108-88-3	Toluene	50	46.9	94	80-123
79-01-6	Trichloroethylene	50	45.0	90	78-132
75-69-4	Trichlorofluoromethane	50	40.0	80	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	93.9	188*	74-138
75-01-4	Vinyl chloride	50	37.2	74	60-145
108-05-4	Vinyl Acetate	250	337	135	25-164
	m,p-Xylene	100	98.5	99	82-128
95-47-6	o-Xylene	50	48.4	97	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	80-121%
2037-26-5	Toluene-D8	103%	71-130%
460-00-4	4-Bromofluorobenzene	98%	59-148%
17060-07-0	1,2-Dichloroethane-D4	92%	77-123%

Blank Spike Summary

Job Number: F61879
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2070-BS	G0054785.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61879-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	129	52*	61-144
75-05-8	Acetonitrile	500	402	80	59-139
107-02-8	Acrolein	250	37.5	15*	27-156
107-13-1	Acrylonitrile	250	207	83	55-144
107-05-1	Allyl chloride	50	59.1	118	41-152
71-43-2	Benzene	50	52.1	104	78-130
100-44-7	Benzyl Chloride	50	37.6	75	74-130
108-86-1	Bromobenzene	50	52.2	104	78-123
74-97-5	Bromochloromethane	50	41.6	83	72-122
75-27-4	Bromodichloromethane	50	47.9	96	73-122
75-25-2	Bromoform	50	41.7	83	70-139
104-51-8	n-Butylbenzene	50	56.9	114	80-138
135-98-8	sec-Butylbenzene	50	56.0	112	82-132
98-06-6	tert-Butylbenzene	50	55.3	111	79-130
108-90-7	Chlorobenzene	50	51.5	103	83-122
75-00-3	Chloroethane	50	43.6	87	61-153
67-66-3	Chloroform	50	51.9	104	79-129
544-10-5	1-Chlorohexane	50	55.5	111	85-137
95-49-8	o-Chlorotoluene	50	53.7	107	77-123
106-43-4	p-Chlorotoluene	50	54.3	109	78-129
110-75-8	2-Chloroethyl vinyl ether	250	304	122	52-142
75-15-0	Carbon disulfide	50	41.6	83	61-142
56-23-5	Carbon tetrachloride	50	52.7	105	79-135
75-34-3	1,1-Dichloroethane	50	52.9	106	77-132
75-35-4	1,1-Dichloroethylene	50	48.7	97	66-132
563-58-6	1,1-Dichloropropene	50	50.6	101	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	40.5	81	67-129
106-93-4	1,2-Dibromoethane	50	42.9	86	77-126
107-06-2	1,2-Dichloroethane	50	45.7	91	78-129
78-87-5	1,2-Dichloropropane	50	49.8	100	74-127
142-28-9	1,3-Dichloropropane	50	44.3	89	78-118
594-20-7	2,2-Dichloropropane	50	52.3	105	80-137
124-48-1	Dibromochloromethane	50	47.4	95	78-117
75-71-8	Dichlorodifluoromethane	50	33.9	68	35-162
156-59-2	cis-1,2-Dichloroethylene	50	49.0	98	74-123
10061-01-5	cis-1,3-Dichloropropene	50	50.7	101	79-130

Blank Spike Summary

Job Number: F61879
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2070-BS	G0054785.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61879-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	41.7	83	71-126
541-73-1	m-Dichlorobenzene	50	54.2	108	82-126
95-50-1	o-Dichlorobenzene	50	52.3	105	83-123
106-46-7	p-Dichlorobenzene	50	52.3	105	84-124
156-60-5	trans-1,2-Dichloroethylene	50	50.9	102	77-129
10061-02-6	trans-1,3-Dichloropropene	50	49.8	100	87-131
100-41-4	Ethylbenzene	50	52.6	105	82-124
97-63-2	Ethyl methacrylate	50	39.4	79	78-118
76-13-1	Freon 113	50	48.6	97	62-147
591-78-6	2-Hexanone	250	180	72	67-130
87-68-3	Hexachlorobutadiene	50	58.4	117	77-150
110-54-3	Hexane	50	53.0	106	65-147
98-82-8	Isopropylbenzene	50	55.1	110	82-133
99-87-6	p-Isopropyltoluene	50	56.2	112	82-132
108-10-1	4-Methyl-2-pentanone	250	191	76	69-125
126-98-7	Methacrylonitrile	500	401	80	70-138
74-83-9	Methyl bromide	50	49.4	99	60-146
74-87-3	Methyl chloride	50	48.2	96	58-163
74-88-4	Methyl iodide	50	40.5	81	66-128
80-62-6	Methyl methacrylate	50	44.9	90	73-125
74-95-3	Methylene bromide	50	48.0	96	75-128
75-09-2	Methylene chloride	50	51.9	104	62-140
78-93-3	Methyl ethyl ketone	250	149	60*	66-134
1634-04-4	Methyl Tert Butyl Ether	50	41.3	83	70-131
91-20-3	Naphthalene	50	46.9	94	59-143
76-01-7	Pentachloroethane	50	52.0	104	64-156
107-12-0	Propionitrile	500	371	74	73-133
103-65-1	n-Propylbenzene	50	55.3	111	78-129
100-42-5	Styrene	50	51.3	103	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	52.6	105	81-121
71-55-6	1,1,1-Trichloroethane	50	53.1	106	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	44.7	89	70-128
79-00-5	1,1,2-Trichloroethane	50	44.5	89	76-118
87-61-6	1,2,3-Trichlorobenzene	50	50.5	101	78-136
96-18-4	1,2,3-Trichloropropane	50	38.9	78	74-125
120-82-1	1,2,4-Trichlorobenzene	50	51.9	104	82-137

Blank Spike Summary

Job Number: F61879
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2070-BS	G0054785.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61879-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	55.2	110	77-129
108-67-8	1,3,5-Trimethylbenzene	50	54.7	109	79-129
127-18-4	Tetrachloroethylene	50	52.4	105	79-132
108-88-3	Toluene	50	51.6	103	80-123
79-01-6	Trichloroethylene	50	48.7	97	78-132
75-69-4	Trichlorofluoromethane	50	47.3	95	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	88.0	176*	74-138
75-01-4	Vinyl chloride	50	45.4	91	60-145
108-05-4	Vinyl Acetate	250	167	67	25-164
	m,p-Xylene	100	107	107	82-128
95-47-6	o-Xylene	50	52.9	106	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	80-121%
2037-26-5	Toluene-D8	98%	71-130%
460-00-4	4-Bromofluorobenzene	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	91%	77-123%

Blank Spike Summary

Job Number: F61879
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2071-BS	G0054810.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61879-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
98-82-8	Isopropylbenzene	50	57.3	115	82-133

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	80-121%
2037-26-5	Toluene-D8	97%	71-130%
460-00-4	4-Bromofluorobenzene	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	87%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61879
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61902-1MS	G0054687.D	1	12/08/08	MM	n/a	n/a	VG2067
F61902-1MSD	G0054688.D	1	12/08/08	MM	n/a	n/a	VG2067
F61902-1	G0054686.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61879-1

CAS No.	Compound	F61902-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		301	97.2	32*	106	34*	9	61-144/29
75-05-8	Acetonitrile	ND		602	517	86	559	88	8	59-139/30
107-02-8	Acrolein	ND		301	ND	0*	ND	0*	nc	27-156/39
107-13-1	Acrylonitrile	ND		301	255	85	267	84	5	55-144/24
107-05-1	Allyl chloride	ND		60.2	52.2	87	55.8	88	7	41-152/24
71-43-2	Benzene	ND		60.2	58.3	97	61.4	97	5	78-130/25
100-44-7	Benzyl Chloride	ND		60.2	35.0	58*	36.8	58*	5	74-130/28
108-86-1	Bromobenzene	ND		60.2	57.9	96	61.1	97	5	78-123/30
74-97-5	Bromochloromethane	ND		60.2	48.1	80	50.4	80	5	72-122/23
75-27-4	Bromodichloromethane	ND		60.2	51.8	86	53.9	85	4	73-122/25
75-25-2	Bromoform	ND		60.2	45.0	75	47.0	74	4	70-139/26
104-51-8	n-Butylbenzene	ND		60.2	58.4	97	61.9	98	6	80-138/31
135-98-8	sec-Butylbenzene	ND		60.2	59.3	99	62.8	99	6	82-132/29
98-06-6	tert-Butylbenzene	ND		60.2	59.0	98	60.7	96	3	79-130/29
108-90-7	Chlorobenzene	ND		60.2	54.9	91	56.7	90	3	83-122/23
75-00-3	Chloroethane	ND		60.2	50.5	84	53.7	85	6	61-153/31
67-66-3	Chloroform	ND		60.2	58.0	96	62.0	98	7	79-129/27
544-10-5	1-Chlorohexane	ND		60.2	45.3	75*	45.5	72*	0	85-137/29
95-49-8	o-Chlorotoluene	ND		60.2	58.7	98	62.9	99	7	77-123/31
106-43-4	p-Chlorotoluene	ND		60.2	57.2	95	61.8	98	8	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		301	325	108	336	106	3	52-142/25
75-15-0	Carbon disulfide	ND		60.2	43.2	72	45.4	72	5	61-142/27
56-23-5	Carbon tetrachloride	ND		60.2	45.2	75*	58.2	92	25	79-135/29
75-34-3	1,1-Dichloroethane	ND		60.2	57.6	96	60.6	96	5	77-132/26
75-35-4	1,1-Dichloroethylene	ND		60.2	46.5	77	48.4	77	4	66-132/27
563-58-6	1,1-Dichloropropene	ND		60.2	54.2	90	56.4	89	4	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		60.2	74.6	124	77.9	123	4	67-129/29
106-93-4	1,2-Dibromoethane	ND		60.2	46.6	77	48.1	76*	3	77-126/24
107-06-2	1,2-Dichloroethane	ND		60.2	51.5	86	53.4	84	4	78-129/24
78-87-5	1,2-Dichloropropane	ND		60.2	55.4	92	57.8	91	4	74-127/27
142-28-9	1,3-Dichloropropane	ND		60.2	47.3	79	48.8	77*	3	78-118/26
594-20-7	2,2-Dichloropropane	ND		60.2	58.9	98	59.7	94	1	80-137/28
124-48-1	Dibromochloromethane	ND		60.2	44.1	73*	44.3	70*	0	78-117/27
75-71-8	Dichlorodifluoromethane	ND		60.2	29.8	50	35.7	56	18	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		60.2	52.3	87	55.1	87	5	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		60.2	51.8	86	53.3	84	3	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61879
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61902-1MS	G0054687.D	1	12/08/08	MM	n/a	n/a	VG2067
F61902-1MSD	G0054688.D	1	12/08/08	MM	n/a	n/a	VG2067
F61902-1	G0054686.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61879-1

CAS No.	Compound	F61902-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		60.2	48.2	80	51.6	82	7	71-126/28
541-73-1	m-Dichlorobenzene	ND		60.2	58.2	97	61.5	97	6	82-126/29
95-50-1	o-Dichlorobenzene	ND		60.2	56.9	95	62.2	98	9	83-123/28
106-46-7	p-Dichlorobenzene	ND		60.2	58.4	97	63.0	100	8	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		60.2	54.6	91	58.9	93	8	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		60.2	53.9	90	54.9	87	2	87-131/27
100-41-4	Ethylbenzene	ND		60.2	55.0	91	57.1	90	4	82-124/25
97-63-2	Ethyl methacrylate	ND		60.2	15.4	26*	15.7	25*	2	78-118/30
76-13-1	Freon 113	ND		60.2	85.9	143	73.1	116	16	62-147/29
591-78-6	2-Hexanone	ND		301	192	64*	193	61*	1	67-130/29
87-68-3	Hexachlorobutadiene	ND		60.2	98.4	164*	107	169*	8	77-150/36
110-54-3	Hexane	ND		60.2	52.1	87	52.5	83	1	65-147/27
98-82-8	Isopropylbenzene	ND		60.2	57.7	96	59.2	94	3	82-133/27
99-87-6	p-Isopropyltoluene	ND		60.2	59.4	99	64.4	102	8	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		301	231	77	227	72	2	69-125/24
126-98-7	Methacrylonitrile	ND		602	451	75	473	75	5	70-138/22
74-83-9	Methyl bromide	ND		60.2	46.9	78	52.7	83	12	60-146/31
74-87-3	Methyl chloride	ND		60.2	49.1	82	52.1	82	6	58-163/26
74-88-4	Methyl iodide	ND		60.2	40.6	67	43.4	69	7	66-128/27
80-62-6	Methyl methacrylate	ND		60.2	54.6	91	54.9	87	1	73-125/24
74-95-3	Methylene bromide	ND		60.2	50.7	84	52.8	84	4	75-128/26
75-09-2	Methylene chloride	8.5	J	60.2	70.7	103	72.2	101	2	62-140/25
78-93-3	Methyl ethyl ketone	ND		301	127	42*	135	43*	6	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		60.2	50.6	84	53.9	85	6	70-131/25
91-20-3	Naphthalene	ND		60.2	640	1064*	671	1061*	5	59-143/31
76-01-7	Pentachloroethane	ND		60.2	55.8	93	56.6	90	1	64-156/37
107-12-0	Propionitrile	ND		602	449	75	462	73	3	73-133/23
103-65-1	n-Propylbenzene	ND		60.2	59.3	99	62.1	98	5	78-129/29
100-42-5	Styrene	ND		60.2	53.9	90	56.1	89	4	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		60.2	52.3	87	53.3	84	2	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		60.2	56.3	94	57.9	92	3	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		60.2	55.9	93	59.8	95	7	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		60.2	51.1	85	52.3	83	2	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		60.2	822	1366*	755	1194*	8	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		60.2	48.9	81	51.2	81	5	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		60.2	357	593*	368	582*	3	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61879
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61902-1MS	G0054687.D	1	12/08/08	MM	n/a	n/a	VG2067
F61902-1MSD	G0054688.D	1	12/08/08	MM	n/a	n/a	VG2067
F61902-1	G0054686.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61879-1

CAS No.	Compound	F61902-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		60.2	60.9	101	65.5	104	7	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		60.2	59.5	99	61.5	97	3	79-129/31
127-18-4	Tetrachloroethylene	ND		60.2	56.4	94	60.4	96	7	79-132/27
108-88-3	Toluene	ND		60.2	53.3	89	53.6	85	1	80-123/26
79-01-6	Trichloroethylene	ND		60.2	55.7	93	58.6	93	5	78-132/28
75-69-4	Trichlorofluoromethane	ND		60.2	52.3	87	57.7	91	10	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		60.2	98.2	163*	104	164*	6	74-138/30
75-01-4	Vinyl chloride	ND		60.2	45.6	76	47.8	76	5	60-145/29
108-05-4	Vinyl Acetate	ND		301	40.8	14*	40.2	13*	1	25-164/35
	m,p-Xylene	ND		120	117	97	119	94	2	82-128/25
95-47-6	o-Xylene	ND		60.2	55.5	92	58.3	92	5	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61902-1	Limits
1868-53-7	Dibromofluoromethane	100%	101%	103%	80-121%
2037-26-5	Toluene-D8	97%	93%	88%	71-130%
460-00-4	4-Bromofluorobenzene	94%	93%	93%	59-148%
17060-07-0	1,2-Dichloroethane-D4	93%	94%	102%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61879
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61934-1MS	G0054717.D	1	12/09/08	MM	n/a	n/a	VG2068
F61934-1MSD	G0054718.D	1	12/09/08	MM	n/a	n/a	VG2068
F61934-1	G0054716.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61879-2, F61879-4

CAS No.	Compound	F61934-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		278	111	40*	117	42*	5	61-144/29
75-05-8	Acetonitrile	ND		557	438	79	444	79	1	59-139/30
107-02-8	Acrolein	ND		278	ND	0*	14.2	5*	200*	27-156/39
107-13-1	Acrylonitrile	ND		278	248	89	265	94	7	55-144/24
107-05-1	Allyl chloride	ND		55.7	53.6	96	53.5	95	0	41-152/24
71-43-2	Benzene	ND		55.7	54.6	98	53.5	95	2	78-130/25
100-44-7	Benzyl Chloride	ND		55.7	39.6	71*	38.9	69*	2	74-130/28
108-86-1	Bromobenzene	ND		55.7	57.3	103	58.0	103	1	78-123/30
74-97-5	Bromochloromethane	ND		55.7	47.8	86	47.2	84	1	72-122/23
75-27-4	Bromodichloromethane	ND		55.7	53.3	96	53.5	95	0	73-122/25
75-25-2	Bromoform	ND		55.7	52.7	95	48.0	85	9	70-139/26
104-51-8	n-Butylbenzene	ND		55.7	57.3	103	60.7	108	6	80-138/31
135-98-8	sec-Butylbenzene	ND		55.7	59.3	107	59.9	107	1	82-132/29
98-06-6	tert-Butylbenzene	ND		55.7	58.9	106	58.6	104	1	79-130/29
108-90-7	Chlorobenzene	ND		55.7	55.1	99	54.6	97	1	83-122/23
75-00-3	Chloroethane	ND		55.7	31.2	56*	32.0	57*	3	61-153/31
67-66-3	Chloroform	ND		55.7	55.0	99	55.3	98	1	79-129/27
544-10-5	1-Chlorohexane	ND		55.7	47.0	84*	46.0	82*	2	85-137/29
95-49-8	o-Chlorotoluene	ND		55.7	58.7	105	60.1	107	2	77-123/31
106-43-4	p-Chlorotoluene	ND		55.7	58.8	106	59.2	105	1	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		278	346	124	335	119	3	52-142/25
75-15-0	Carbon disulfide	ND		55.7	29.4	53*	29.8	53*	1	61-142/27
56-23-5	Carbon tetrachloride	ND		55.7	51.6	93	51.7	92	0	79-135/29
75-34-3	1,1-Dichloroethane	ND		55.7	53.2	96	53.6	95	1	77-132/26
75-35-4	1,1-Dichloroethylene	ND		55.7	34.3	62*	35.1	62*	2	66-132/27
563-58-6	1,1-Dichloropropene	ND		55.7	49.9	90	50.6	90	1	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		55.7	22.9	41*	36.7	65*	46*	67-129/29
106-93-4	1,2-Dibromoethane	ND		55.7	54.4	98	50.5	90	7	77-126/24
107-06-2	1,2-Dichloroethane	ND		55.7	51.0	92	49.9	89	2	78-129/24
78-87-5	1,2-Dichloropropane	ND		55.7	56.0	101	54.2	96	3	74-127/27
142-28-9	1,3-Dichloropropane	ND		55.7	54.4	98	50.9	91	7	78-118/26
594-20-7	2,2-Dichloropropane	ND		55.7	52.1	94	53.4	95	2	80-137/28
124-48-1	Dibromochloromethane	ND		55.7	50.6	91	47.6	85	6	78-117/27
75-71-8	Dichlorodifluoromethane	ND		55.7	22.5	40	21.8	39	3	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		55.7	50.2	90	51.7	92	3	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		55.7	54.9	99	54.9	98	0	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61879
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61934-1MS	G0054717.D	1	12/09/08	MM	n/a	n/a	VG2068
F61934-1MSD	G0054718.D	1	12/09/08	MM	n/a	n/a	VG2068
F61934-1	G0054716.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61879-2, F61879-4

CAS No.	Compound	F61934-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		55.7	52.8	95	53.1	95	1	71-126/28
541-73-1	m-Dichlorobenzene	ND		55.7	56.0	101	57.5	102	3	82-126/29
95-50-1	o-Dichlorobenzene	ND		55.7	55.7	100	56.5	101	1	83-123/28
106-46-7	p-Dichlorobenzene	ND		55.7	56.9	102	57.8	103	2	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		55.7	49.9	90	49.8	89	0	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		55.7	59.8	107	57.8	103	3	87-131/27
100-41-4	Ethylbenzene	ND		55.7	55.4	100	53.4	95	4	82-124/25
97-63-2	Ethyl methacrylate	ND		55.7	24.9	45*	22.5	40*	10	78-118/30
76-13-1	Freon 113	ND		55.7	29.9	54*	54.8	98	59*	62-147/29
591-78-6	2-Hexanone	ND		278	233	84	205	73	13	67-130/29
87-68-3	Hexachlorobutadiene	ND		55.7	11.2	20*	27.2	48*	83*	77-150/36
110-54-3	Hexane	ND		55.7	47.5	85	47.0	84	1	65-147/27
98-82-8	Isopropylbenzene	ND		55.7	58.5	105	56.7	101	3	82-133/27
99-87-6	p-Isopropyltoluene	ND		55.7	58.7	105	60.2	107	3	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		278	288	103	264	94	9	69-125/24
126-98-7	Methacrylonitrile	ND		557	469	84	466	83	1	70-138/22
74-83-9	Methyl bromide	ND		55.7	31.9	57*	32.6	58*	2	60-146/31
74-87-3	Methyl chloride	ND		55.7	32.3	58	32.0	57*	1	58-163/26
74-88-4	Methyl iodide	ND		55.7	28.5	51*	29.5	53*	3	66-128/27
80-62-6	Methyl methacrylate	ND		55.7	63.0	113	55.9	100	12	73-125/24
74-95-3	Methylene bromide	ND		55.7	51.5	93	50.0	89	3	75-128/26
75-09-2	Methylene chloride	ND		55.7	53.4	96	50.5	90	6	62-140/25
78-93-3	Methyl ethyl ketone	ND		278	134	48*	133	47*	1	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		55.7	51.9	93	50.3	90	3	70-131/25
91-20-3	Naphthalene	ND		55.7	16.6	30*	18.7	33*	12	59-143/31
76-01-7	Pentachloroethane	ND		55.7	51.2	92	51.4	92	0	64-156/37
107-12-0	Propionitrile	ND		557	465	84	431	77	8	73-133/23
103-65-1	n-Propylbenzene	ND		55.7	58.4	105	58.5	104	0	78-129/29
100-42-5	Styrene	ND		55.7	58.7	105	56.7	101	3	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		55.7	56.5	101	52.7	94	7	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		55.7	53.5	96	52.8	94	1	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		55.7	59.2	106	57.6	103	3	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		55.7	55.2	99	52.4	93	5	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		55.7	23.6	42*	28.1	50*	17	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		55.7	50.5	91	49.5	88	2	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		55.7	3.7	7*	8.0	14*	74*	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61879
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61934-1MS	G0054717.D	1	12/09/08	MM	n/a	n/a	VG2068
F61934-1MSD	G0054718.D	1	12/09/08	MM	n/a	n/a	VG2068
F61934-1	G0054716.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61879-2, F61879-4

CAS No.	Compound	F61934-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		55.7	59.9	108	60.5	108	1	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		55.7	59.2	106	59.7	106	1	79-129/31
127-18-4	Tetrachloroethylene	ND		55.7	59.5	107	56.8	101	5	79-132/27
108-88-3	Toluene	ND		55.7	55.0	99	54.3	97	1	80-123/26
79-01-6	Trichloroethylene	ND		55.7	51.5	93	49.3	88	4	78-132/28
75-69-4	Trichlorofluoromethane	ND		55.7	31.7	57*	32.6	58*	3	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		55.7	117	210*	108	192*	8	74-138/30
75-01-4	Vinyl chloride	ND		55.7	29.2	52*	30.0	53*	3	60-145/29
108-05-4	Vinyl Acetate	ND		278	58.8	21*	59.9	21*	2	25-164/35
	m,p-Xylene	ND		111	114	102	112	100	2	82-128/25
95-47-6	o-Xylene	ND		55.7	57.6	103	56.1	100	3	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61934-1	Limits
1868-53-7	Dibromofluoromethane	98%	97%	102%	80-121%
2037-26-5	Toluene-D8	104%	104%	90%	71-130%
460-00-4	4-Bromofluorobenzene	100%	97%	93%	59-148%
17060-07-0	1,2-Dichloroethane-D4	94%	91%	104%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61879
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61879-3MS	G0054789.D	1	12/11/08	MM	n/a	n/a	VG2070
F61879-3MSD	G0054790.D	1	12/11/08	MM	n/a	n/a	VG2070
F61879-3	G0054788.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61879-3

CAS No.	Compound	F61879-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	32.9		311	121	28*	128	31*	6	61-144/29
75-05-8	Acetonitrile	ND		622	463	74	513	83	10	59-139/30
107-02-8	Acrolein	ND		311	ND	0*	ND	0*	nc	27-156/39
107-13-1	Acrylonitrile	ND		311	239	77	270	87	12	55-144/24
107-05-1	Allyl chloride	ND		62.2	67.9	109	66.6	108	2	41-152/24
71-43-2	Benzene	ND		62.2	62.1	100	61.5	99	1	78-130/25
100-44-7	Benzyl Chloride	ND		62.2	31.0	50*	31.3	51*	1	74-130/28
108-86-1	Bromobenzene	ND		62.2	64.2	103	59.6	96	7	78-123/30
74-97-5	Bromochloromethane	ND		62.2	53.1	85	51.0	82	4	72-122/23
75-27-4	Bromodichloromethane	ND		62.2	57.9	93	58.4	94	1	73-122/25
75-25-2	Bromoform	ND		62.2	52.1	84	53.4	86	2	70-139/26
104-51-8	n-Butylbenzene	ND		62.2	64.1	103	61.6	100	4	80-138/31
135-98-8	sec-Butylbenzene	ND		62.2	65.6	106	62.1	100	5	82-132/29
98-06-6	tert-Butylbenzene	ND		62.2	67.1	108	61.5	99	9	79-130/29
108-90-7	Chlorobenzene	ND		62.2	65.5	105	60.2	97	8	83-122/23
75-00-3	Chloroethane	ND		62.2	55.3	89	54.1	88	2	61-153/31
67-66-3	Chloroform	ND		62.2	63.4	102	63.0	102	1	79-129/27
544-10-5	1-Chlorohexane	ND		62.2	63.3	102	59.7	97	6	85-137/29
95-49-8	o-Chlorotoluene	ND		62.2	64.2	103	61.9	100	4	77-123/31
106-43-4	p-Chlorotoluene	ND		62.2	64.3	103	60.8	98	6	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		311	367	118	405	131	10	52-142/25
75-15-0	Carbon disulfide	1.4	J	62.2	50.8	79	49.4	78	3	61-142/27
56-23-5	Carbon tetrachloride	ND		62.2	65.9	106	52.5	85	23	79-135/29
75-34-3	1,1-Dichloroethane	ND		62.2	64.2	103	63.6	103	1	77-132/26
75-35-4	1,1-Dichloroethylene	ND		62.2	58.4	94	57.2	93	2	66-132/27
563-58-6	1,1-Dichloropropene	ND		62.2	60.8	98	57.8	93	5	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		62.2	48.2	78	55.9	90	15	67-129/29
106-93-4	1,2-Dibromoethane	ND		62.2	54.5	88	52.6	85	4	77-126/24
107-06-2	1,2-Dichloroethane	ND		62.2	55.7	90	58.3	94	5	78-129/24
78-87-5	1,2-Dichloropropane	ND		62.2	58.5	94	60.7	98	4	74-127/27
142-28-9	1,3-Dichloropropane	ND		62.2	55.5	89	55.4	90	0	78-118/26
594-20-7	2,2-Dichloropropane	ND		62.2	52.4	84	49.5	80	6	80-137/28
124-48-1	Dibromochloromethane	ND		62.2	57.8	93	55.9	90	3	78-117/27
75-71-8	Dichlorodifluoromethane	ND		62.2	38.8	62	36.6	59	6	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		62.2	58.4	94	59.0	95	1	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		62.2	58.3	94	60.7	98	4	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61879
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61879-3MS	G0054789.D	1	12/11/08	MM	n/a	n/a	VG2070
F61879-3MSD	G0054790.D	1	12/11/08	MM	n/a	n/a	VG2070
F61879-3	G0054788.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61879-3

CAS No.	Compound	F61879-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		62.2	45.3	73	48.3	78	6	71-126/28
541-73-1	m-Dichlorobenzene	ND		62.2	64.4	104	62.7	101	3	82-126/29
95-50-1	o-Dichlorobenzene	ND		62.2	65.1	105	60.9	99	7	83-123/28
106-46-7	p-Dichlorobenzene	ND		62.2	63.4	102	61.6	100	3	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		62.2	59.9	96	58.5	95	2	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		62.2	60.4	97	60.2	97	0	87-131/27
100-41-4	Ethylbenzene	ND		62.2	65.8	106	62.2	101	6	82-124/25
97-63-2	Ethyl methacrylate	ND		62.2	7.7	12*	8.1	13*	5	78-118/30
76-13-1	Freon 113	ND		62.2	55.5	89	55.8	90	1	62-147/29
591-78-6	2-Hexanone	ND		311	195	63*	211	68	8	67-130/29
87-68-3	Hexachlorobutadiene	ND		62.2	66.0	106	58.8	95	12	77-150/36
110-54-3	Hexane	ND		62.2	56.1	90	49.6	80	12	65-147/27
98-82-8	Isopropylbenzene	ND		62.2	69.4	112	64.6	104	7	82-133/27
99-87-6	p-Isopropyltoluene	ND		62.2	66.1	106	63.5	103	4	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		311	239	77	256	83	7	69-125/24
126-98-7	Methacrylonitrile	ND		622	458	74	523	85	13	70-138/22
74-83-9	Methyl bromide	ND		62.2	57.0	92	56.3	91	1	60-146/31
74-87-3	Methyl chloride	ND		62.2	57.8	93	56.2	91	3	58-163/26
74-88-4	Methyl iodide	ND		62.2	48.5	78	45.8	74	6	66-128/27
80-62-6	Methyl methacrylate	ND		62.2	49.4	79	52.6	85	6	73-125/24
74-95-3	Methylene bromide	ND		62.2	57.4	92	57.0	92	1	75-128/26
75-09-2	Methylene chloride	ND		62.2	64.0	103	61.4	99	4	62-140/25
78-93-3	Methyl ethyl ketone	ND		311	126	41*	151	49*	18	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		62.2	49.8	80	52.5	85	5	70-131/25
91-20-3	Naphthalene	ND		62.2	56.2	90	57.4	93	2	59-143/31
76-01-7	Pentachloroethane	ND		62.2	63.0	101	57.6	93	9	64-156/37
107-12-0	Propionitrile	ND		622	418	67*	469	76	11	73-133/23
103-65-1	n-Propylbenzene	ND		62.2	63.0	101	61.0	99	3	78-129/29
100-42-5	Styrene	ND		62.2	65.6	106	61.3	99	7	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		62.2	63.6	102	63.9	103	0	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		62.2	64.5	104	59.9	97	7	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		62.2	52.1	84	56.8	92	9	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		62.2	55.7	90	56.8	92	2	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		62.2	58.1	93	60.1	97	3	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		62.2	46.7	75	49.3	80	5	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		62.2	62.0	100	59.6	96	4	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61879
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61879-3MS	G0054789.D	1	12/11/08	MM	n/a	n/a	VG2070
F61879-3MSD	G0054790.D	1	12/11/08	MM	n/a	n/a	VG2070
F61879-3	G0054788.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61879-3

CAS No.	Compound	F61879-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		62.2	65.3	105	63.3	102	3	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		62.2	66.0	106	61.6	100	7	79-129/31
127-18-4	Tetrachloroethylene	ND		62.2	71.6	115	69.8	113	3	79-132/27
108-88-3	Toluene	ND		62.2	65.5	105	60.7	98	8	80-123/26
79-01-6	Trichloroethylene	ND		62.2	61.1	98	59.6	96	2	78-132/28
75-69-4	Trichlorofluoromethane	ND		62.2	55.8	90	52.8	85	6	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		62.2	90.5	146*	101	163*	11	74-138/30
75-01-4	Vinyl chloride	ND		62.2	49.7	80	49.4	80	1	60-145/29
108-05-4	Vinyl Acetate	ND		311	20.9	7*	21.6	7*	3	25-164/35
	m,p-Xylene	ND		124	135	109	124	100	8	82-128/25
95-47-6	o-Xylene	ND		62.2	66.6	107	61.9	100	7	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61879-3	Limits
1868-53-7	Dibromofluoromethane	96%	100%	99%	80-121%
2037-26-5	Toluene-D8	100%	100%	94%	71-130%
460-00-4	4-Bromofluorobenzene	96%	92%	93%	59-148%
17060-07-0	1,2-Dichloroethane-D4	84%	101%	98%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61879
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61975-4MS	G0054817.D	1	12/12/08	MM	n/a	n/a	VG2071
F61975-4MSD	G0054818.D	1	12/12/08	MM	n/a	n/a	VG2071
F61975-4	G0054816.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61879-2

CAS No.	Compound	F61975-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
98-82-8	Isopropylbenzene	ND		61.1	72.4	119	66.8	112	8	82-133/27

CAS No.	Surrogate Recoveries	MS	MSD	F61975-4	Limits
1868-53-7	Dibromofluoromethane	95%	95%	95%	80-121%
2037-26-5	Toluene-D8	99%	105%	94%	71-130%
460-00-4	4-Bromofluorobenzene	97%	97%	93%	59-148%
17060-07-0	1,2-Dichloroethane-D4	90%	92%	98%	77-123%

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61879
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3630-MB	CD086283.D	1	12/08/08	JG	n/a	n/a	GCD3630

The QC reported here applies to the following samples: **Method:** SW846 8015

F61879-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	80%	56-136%
98-08-8	aaa-Trifluorotoluene	84%	61-121%

Method Blank Summary

Job Number: F61879
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3631-MB	CD086319.D	1	12/09/08	JG	n/a	n/a	GCD3631

The QC reported here applies to the following samples: **Method:** SW846 8015

F61879-2, F61879-3

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	83%	56-136%
98-08-8	aaa-Trifluorotoluene	83%	61-121%

Blank Spike Summary

Job Number: F61879
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3630-BS	CD086282.D	1	12/08/08	JG	n/a	n/a	GCD3630

The QC reported here applies to the following samples: **Method:** SW846 8015

F61879-1

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	20.0	100	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	109%	56-136%
98-08-8	aaa-Trifluorotoluene	93%	61-121%

Blank Spike Summary

Job Number: F61879
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3631-BS	CD086318.D	1	12/09/08	JG	n/a	n/a	GCD3631

The QC reported here applies to the following samples: **Method:** SW846 8015

F61879-2, F61879-3

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	19.6	98	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	110%	56-136%
98-08-8	aaa-Trifluorotoluene	99%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61879
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61816-1MS	CD086290.D	1	12/08/08	JG	n/a	n/a	GCD3630
F61816-1MSD	CD086291.D	1	12/08/08	JG	n/a	n/a	GCD3630
F61816-1	CD086284.D	1	12/08/08	JG	n/a	n/a	GCD3630

The QC reported here applies to the following samples: **Method:** SW846 8015

F61879-1

CAS No.	Compound	F61816-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		25.4	24.8	98	26.6	105	7	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61816-1	Limits
460-00-4	4-Bromofluorobenzene	111%	114%	84%	56-136%
98-08-8	aaa-Trifluorotoluene	99%	103%	82%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61879
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61879-3MS	CD086326.D	1	12/09/08	JG	n/a	n/a	GCD3631
F61879-3MSD	CD086327.D	1	12/09/08	JG	n/a	n/a	GCD3631
F61879-3	CD086322.D	1	12/09/08	JG	n/a	n/a	GCD3631

The QC reported here applies to the following samples: **Method:** SW846 8015

F61879-2, F61879-3

CAS No.	Compound	F61879-3 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	4.19	J	32.2	32.2	87	33.5	91	4	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61879-3	Limits
460-00-4	4-Bromofluorobenzene	111%	115%	82%	56-136%
98-08-8	aaa-Trifluorotoluene	103%	99%	85%	61-121%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61879
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27313-MB	LL24319.D	1	12/04/08	NY	12/03/08	OP27313	GLL908

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61879-1, F61879-2, F61879-3

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	90%	49-108%

Blank Spike Summary

Job Number: F61879
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27313-BS	LL24318.D	1	12/04/08	NY	12/03/08	OP27313	GLL908

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61879-1, F61879-2, F61879-3

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	27.4	82	64-102
	TPH (> C22-C36)	33.3	31.2	94	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	87%	49-108%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61879
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27313-MS	LL24325.D	1	12/04/08	NY	12/03/08	OP27313	GLL908
OP27313-MSD	LL24326.D	1	12/04/08	NY	12/03/08	OP27313	GLL908
F61816-3	LL24324.D	1	12/04/08	NY	12/03/08	OP27313	GLL908

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61879-1, F61879-2, F61879-3

CAS No.	Compound	F61816-3 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		37	31.4	85	28.3	76	10	64-102/32
	TPH (> C22-C36)	ND		37	36.7	99	31.8	85	14	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F61816-3	Limits
84-15-1	o-Terphenyl	88%	83%	76%	49-108%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/17/08

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F61902

Sampling Date: 12/01/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **63**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Sections: 1 2 3 4 5 6 7

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F61902-1: SS61-SB33-15 7
3.2: F61902-2: SS61-SB33-27 12
3.3: F61902-3: SS61-SB33-27-a 17
3.4: F61902-4: SS61-SB33-35 22
3.5: F61902-5: TRIP BLANK 27
Section 4: Misc. Forms **30**
4.1: Chain of Custody 31
Section 5: GC/MS Volatiles - QC Data Summaries **33**
5.1: Method Blank Summary 34
5.2: Blank Spike Summary 40
5.3: Matrix Spike/Matrix Spike Duplicate Summary 46
Section 6: GC Volatiles - QC Data Summaries **52**
6.1: Method Blank Summary 53
6.2: Blank Spike Summary 55
6.3: Matrix Spike/Matrix Spike Duplicate Summary 57
Section 7: GC Semi-volatiles - QC Data Summaries **59**
7.1: Method Blank Summary 60
7.2: Blank Spike Summary 62
7.3: Matrix Spike/Matrix Spike Duplicate Summary 63

Sample Summary

North Wind, Inc

Job No: F61902

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F61902-1	12/01/08	12:05	ZB	12/03/08	SO	Soil	SS61-SB33-15
F61902-1D	12/01/08	12:05	ZB	12/03/08	SO	Soil Dup/MSD	SS61-SB33-15
F61902-1S	12/01/08	12:05	ZB	12/03/08	SO	Soil Matrix Spike	SS61-SB33-15
F61902-2	12/01/08	12:20	ZB	12/03/08	SO	Soil	SS61-SB33-27
F61902-3	12/01/08	12:20	ZB	12/03/08	SO	Soil	SS61-SB33-27-a
F61902-4	12/01/08	12:35	ZB	12/03/08	SO	Soil	SS61-SB33-35
F61902-5	12/01/08	00:00	ZB	12/03/08	SO	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F61902

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/17/2008 1:15:48

4 Samples, 1 Trip Blank were collected on 12/01/2008 and received at Accutest on 12/03/2008 properly preserved, at 2.6 Deg. C and intact. These Samples received an Accutest job number of F61902. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2067

All samples were analyzed within the recommended method holding time.

Sample(s) F61902-1MS, F61902-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for 1,2,4-Trichlorobenzene, 2,2-Dichloropropane, Acrolein, Freon 113, Hexachlorobutadiene, Naphthalene, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1-Chlorohexane, 2-Hexanone, Acetone, Acrolein, Benzyl Chloride, Carbon tetrachloride, Dibromochloromethane, Ethyl methacrylate, Hexachlorobutadiene, Methyl ethyl ketone, Naphthalene, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,2-Dibromoethane, 1,3-Dichloropropane, 1-Chlorohexane, 2-Hexanone, Acetone, Acrolein, Benzyl Chloride, Dibromochloromethane, Ethyl methacrylate, Hexachlorobutadiene, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

F61902-2: Methanol extract analysis required due to matrix interference (non-target analytes present above calibration range).

F61902-2 for Methylene chloride: Suspected laboratory contaminant.

F61902-2 for Naphthalene: CCV outside of control limits; results may be biased high.

F61902-3 for Methylene chloride: Suspected laboratory contaminant.

F61902-4 for Methylene chloride: Suspected laboratory contaminant.

F61902-1 for Methylene chloride: Suspected laboratory contaminant.

Matrix: SO **Batch ID:** VG2068

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61934-1MS, F61934-1MSD were used as the QC samples indicated.

Blank Spike Recovery(s) for 1,2,4-Trichlorobenzene, Acetone, Methyl ethyl ketone, Propionitrile, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for 1,1-Dichloroethylene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, 1-Chlorohexane, Acetone, Acrolein, Benzyl Chloride, Carbon disulfide, Chloroethane, Ethyl methacrylate, Freon 113, Hexachlorobutadiene, Methyl bromide, Methyl ethyl ketone, Methyl iodide, Naphthalene, Trans-1,4-Dichloro-2-Butene, Trichlorofluoromethane, Vinyl Acetate, Vinyl chloride are outside control limits. Probable cause

Matrix Spike Duplicate Recovery(s) for 1,1-Dichloroethylene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, 1-Chlorohexane, Acetone, Acrolein, Benzyl Chloride, Carbon disulfide, Chloroethane, Ethyl methacrylate, Hexachlorobutadiene, Methyl bromide, Methyl chloride, Methyl ethyl ketone, Methyl iodide, Naphthalene, Trans-1,4-Dichloro-2-Butene, Trichlorofluoromethane, Vinyl Acetate, Vinyl chloride are outside control limits. Probable cause due to matrix interference.

RPD(s) for MSD for 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, Acrolein, Freon 113, Hexachlorobutadiene are outside control limits for sample F61934-1MSD. Probable cause due to sample homogeneity.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2068

F61902-5 for Methylene chloride: Suspected laboratory contaminant.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GCD3631

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61879-3MS, F61879-3MSD were used as the QC samples indicated.

Sample(s) F61902-3, F61902-2 have surrogates outside control limits. Probable cause due to matrix interference.

F61902-3 for 4-Bromofluorobenzene: Outside control limits due to matrix interference.

F61902-3 for 4-Bromofluorobenzene: Result reported from PID.

Matrix: SO **Batch ID:** GQR1961

All samples were analyzed within the recommended method holding time.

Sample(s) F61902-1MS, F61902-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Sample(s) F61902-3, F61902-2 have surrogates outside control limits. Probable cause due to matrix interference.

F61902-2: Confirmation run.

F61902-2 for 4-Bromofluorobenzene: Outside control limits due to matrix interference.

F61902-2 for aaa-Trifluorotoluene: Outside control limits due to matrix interference.

Extractables by GC By Method SW846 8015 M

Matrix: SO **Batch ID:** OP27325

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F61902-1MS, F61902-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Wet Chemistry By Method SM19 2540B M

Matrix: SO **Batch ID:** GN33024

Sample(s) F61902-1DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: December 17, 2008

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-SB33-15		
Lab Sample ID:	F61902-1	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054686.D	1	12/08/08	MM	12/03/08 10:55	n/a	VG2067
Run #2							

	Initial Weight
Run #1	5.46 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	57	29	ug/kg	
75-05-8	Acetonitrile	ND	57	18	ug/kg	
107-02-8	Acrolein	ND	29	11	ug/kg	
107-13-1	Acrylonitrile	ND	29	7.9	ug/kg	
107-05-1	Allyl chloride	ND	29	5.7	ug/kg	
71-43-2	Benzene	ND	5.7	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.7	1.3	ug/kg	
108-86-1	Bromobenzene	ND	5.7	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.7	1.9	ug/kg	
75-27-4	Bromodichloromethane	ND	5.7	1.4	ug/kg	
75-25-2	Bromoform	ND	5.7	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	5.7	1.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.7	1.3	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.7	1.3	ug/kg	
108-90-7	Chlorobenzene	ND	5.7	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.7	2.3	ug/kg	
67-66-3	Chloroform	ND	5.7	1.9	ug/kg	
544-10-5	1-Chlorohexane	ND	5.7	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.7	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.7	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	29	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.7	1.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.7	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.7	2.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.7	1.5	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.7	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.7	2.7	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.7	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.7	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.7	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.7	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.7	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB33-15		
Lab Sample ID:	F61902-1	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.7	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.7	2.3	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.7	1.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.7	1.5	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	29	5.7	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.7	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.7	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.7	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.7	1.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.7	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.7	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	29	5.7	ug/kg	
76-13-1	Freon 113	ND	5.7	3.0	ug/kg	
591-78-6	2-Hexanone	ND	29	5.7	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.7	1.4	ug/kg	
110-54-3	Hexane	ND	5.7	2.7	ug/kg	
98-82-8	Isopropylbenzene	ND	5.7	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.7	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	29	7.3	ug/kg	
126-98-7	Methacrylonitrile	ND	29	6.3	ug/kg	
74-83-9	Methyl bromide	ND	5.7	2.5	ug/kg	
74-87-3	Methyl chloride	ND	5.7	2.7	ug/kg	
74-88-4	Methyl iodide	ND	11	2.3	ug/kg	
80-62-6	Methyl methacrylate	ND	29	5.7	ug/kg	
74-95-3	Methylene bromide	ND	5.7	1.7	ug/kg	
75-09-2	Methylene chloride [a]	8.5	11	5.7	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	29	9.5	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.7	1.7	ug/kg	
91-20-3	Naphthalene	ND	5.7	2.3	ug/kg	
76-01-7	Pentachloroethane	ND	29	5.7	ug/kg	
107-12-0	Propionitrile	ND	57	14	ug/kg	
103-65-1	n-Propylbenzene	ND	5.7	1.4	ug/kg	
100-42-5	Styrene	ND	5.7	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.7	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.7	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.7	2.1	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.7	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.7	2.3	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.7	2.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.7	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB33-15		
Lab Sample ID:	F61902-1	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.7	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.7	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.7	1.4	ug/kg	
108-88-3	Toluene	ND	5.7	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.7	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.7	2.3	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	29	5.7	ug/kg	
75-01-4	Vinyl chloride	ND	5.7	2.3	ug/kg	
108-05-4	Vinyl Acetate	ND	29	14	ug/kg	
	m,p-Xylene	ND	11	2.2	ug/kg	
95-47-6	o-Xylene	ND	5.7	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-121%
2037-26-5	Toluene-D8	88%		71-130%
460-00-4	4-Bromofluorobenzene	93%		59-148%
17060-07-0	1,2-Dichloroethane-D4	102%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB33-15		
Lab Sample ID:	F61902-1	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	80.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045079.D	1	12/08/08	AH	12/03/08 10:55	n/a	GQR1961
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.55 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	4.43	6.9	3.4	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	83%		56-136%
98-08-8	aaa-Trifluorotoluene	71%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB33-15		
Lab Sample ID:	F61902-1	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	80.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24439.D	1	12/10/08	NY	12/04/08	OP27325	GLL911
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.2	mg/kg	
	TPH (> C22-C36)	ND	10	6.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	79%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB33-27		
Lab Sample ID:	F61902-2	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054689.D	1	12/08/08	MM	12/03/08 10:55	n/a	VG2067
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.59 g	5.0 ml	100 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3000	1500	ug/kg	
75-05-8	Acetonitrile	ND	3000	960	ug/kg	
107-02-8	Acrolein	ND	1500	590	ug/kg	
107-13-1	Acrylonitrile	ND	1500	420	ug/kg	
107-05-1	Allyl chloride	ND	1500	300	ug/kg	
71-43-2	Benzene	ND	300	60	ug/kg	
100-44-7	Benzyl Chloride	ND	300	66	ug/kg	
108-86-1	Bromobenzene	ND	300	60	ug/kg	
74-97-5	Bromochloromethane	ND	300	100	ug/kg	
75-27-4	Bromodichloromethane	ND	300	72	ug/kg	
75-25-2	Bromoform	ND	300	90	ug/kg	
104-51-8	n-Butylbenzene	ND	300	84	ug/kg	
135-98-8	sec-Butylbenzene	485	300	66	ug/kg	
98-06-6	tert-Butylbenzene	351	300	66	ug/kg	
108-90-7	Chlorobenzene	ND	300	60	ug/kg	
75-00-3	Chloroethane	ND	300	120	ug/kg	
67-66-3	Chloroform	ND	300	100	ug/kg	
544-10-5	1-Chlorohexane	ND	300	78	ug/kg	
95-49-8	o-Chlorotoluene	ND	300	60	ug/kg	
106-43-4	p-Chlorotoluene	ND	300	60	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1500	600	ug/kg	
75-15-0	Carbon disulfide	ND	300	66	ug/kg	
56-23-5	Carbon tetrachloride	ND	300	84	ug/kg	
75-34-3	1,1-Dichloroethane	ND	300	120	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	300	78	ug/kg	
563-58-6	1,1-Dichloropropene	ND	300	84	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	300	140	ug/kg	
106-93-4	1,2-Dibromoethane	ND	300	60	ug/kg	
107-06-2	1,2-Dichloroethane	ND	300	66	ug/kg	
78-87-5	1,2-Dichloropropane	ND	300	84	ug/kg	
142-28-9	1,3-Dichloropropane	ND	300	60	ug/kg	
594-20-7	2,2-Dichloropropane	ND	300	130	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB33-27		
Lab Sample ID:	F61902-2	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	300	60	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	300	120	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	300	96	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	300	78	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	1500	300	ug/kg	
541-73-1	m-Dichlorobenzene	ND	300	60	ug/kg	
95-50-1	o-Dichlorobenzene	ND	300	60	ug/kg	
106-46-7	p-Dichlorobenzene	ND	300	60	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	300	72	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	300	60	ug/kg	
100-41-4	Ethylbenzene	ND	300	60	ug/kg	
97-63-2	Ethyl methacrylate	ND	1500	300	ug/kg	
76-13-1	Freon 113	ND	300	160	ug/kg	
591-78-6	2-Hexanone	ND	1500	300	ug/kg	
87-68-3	Hexachlorobutadiene	ND	300	72	ug/kg	
110-54-3	Hexane	ND	300	140	ug/kg	
98-82-8	Isopropylbenzene	2750	300	66	ug/kg	
99-87-6	p-Isopropyltoluene	ND	300	66	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1500	390	ug/kg	
126-98-7	Methacrylonitrile	ND	1500	330	ug/kg	
74-83-9	Methyl bromide	ND	300	130	ug/kg	
74-87-3	Methyl chloride	ND	300	140	ug/kg	
74-88-4	Methyl iodide	ND	600	120	ug/kg	
80-62-6	Methyl methacrylate	ND	1500	300	ug/kg	
74-95-3	Methylene bromide	ND	300	90	ug/kg	
75-09-2	Methylene chloride [b]	2250	600	300	ug/kg	
78-93-3	Methyl ethyl ketone	ND	1500	500	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	300	90	ug/kg	
91-20-3	Naphthalene [c]	888	300	120	ug/kg	J
76-01-7	Pentachloroethane	ND	1500	300	ug/kg	
107-12-0	Propionitrile	ND	3000	720	ug/kg	
103-65-1	n-Propylbenzene	171	300	72	ug/kg	J
100-42-5	Styrene	ND	300	60	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	300	60	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	300	66	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	300	110	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	300	60	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	300	120	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	300	110	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	367	300	120	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB33-27		
Lab Sample ID:	F61902-2	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	300	60	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	300	60	ug/kg	
127-18-4	Tetrachloroethylene	ND	300	72	ug/kg	
108-88-3	Toluene	ND	300	60	ug/kg	
79-01-6	Trichloroethylene	ND	300	72	ug/kg	
75-69-4	Trichlorofluoromethane	ND	300	120	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	1500	300	ug/kg	
75-01-4	Vinyl chloride	ND	300	120	ug/kg	
108-05-4	Vinyl Acetate	ND	1500	720	ug/kg	
	m,p-Xylene	ND	600	110	ug/kg	
95-47-6	o-Xylene	ND	300	60	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-121%
2037-26-5	Toluene-D8	89%		71-130%
460-00-4	4-Bromofluorobenzene	92%		59-148%
17060-07-0	1,2-Dichloroethane-D4	98%		77-123%

(a) Methanol extract analysis required due to matrix interference (non-target analytes present above calibration range).
(b) Suspected laboratory contaminant.
(c) CCV outside of control limits; results may be biased high.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB33-27		
Lab Sample ID:	F61902-2	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	85.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045094.D	1	12/08/08	AH	12/03/08 10:55	n/a	GQR1961
Run #2 [a]	QR045085.D	1	12/08/08	AH	12/03/08 10:55	n/a	GQR1961

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.59 g	5.0 ml	5.0 ul
Run #2	5.59 g	5.0 ml	100 ul

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	478	120	60	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	107%	538% [b]	56-136%
98-08-8	aaa-Trifluorotoluene	94%	388% [b]	61-121%

(a) Confirmation run.
(b) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB33-27		
Lab Sample ID:	F61902-2	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	85.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24442.D	1	12/10/08	NY	12/04/08	OP27325	GLL911
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.7	5.8	mg/kg	
	TPH (> C22-C36)	ND	9.7	5.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	81%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB33-27-a		
Lab Sample ID:	F61902-3	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054690.D	1	12/08/08	MM	12/03/08 10:55	n/a	VG2067
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.65 g	5.0 ml	100 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3300	1600	ug/kg	
75-05-8	Acetonitrile	ND	3300	1000	ug/kg	
107-02-8	Acrolein	ND	1600	640	ug/kg	
107-13-1	Acrylonitrile	ND	1600	450	ug/kg	
107-05-1	Allyl chloride	ND	1600	330	ug/kg	
71-43-2	Benzene	ND	330	65	ug/kg	
100-44-7	Benzyl Chloride	ND	330	72	ug/kg	
108-86-1	Bromobenzene	ND	330	65	ug/kg	
74-97-5	Bromochloromethane	ND	330	110	ug/kg	
75-27-4	Bromodichloromethane	ND	330	79	ug/kg	
75-25-2	Bromoform	ND	330	98	ug/kg	
104-51-8	n-Butylbenzene	ND	330	92	ug/kg	
135-98-8	sec-Butylbenzene	781	330	72	ug/kg	
98-06-6	tert-Butylbenzene	790	330	72	ug/kg	
108-90-7	Chlorobenzene	ND	330	65	ug/kg	
75-00-3	Chloroethane	ND	330	130	ug/kg	
67-66-3	Chloroform	ND	330	110	ug/kg	
544-10-5	1-Chlorohexane	ND	330	85	ug/kg	
95-49-8	o-Chlorotoluene	ND	330	65	ug/kg	
106-43-4	p-Chlorotoluene	ND	330	65	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1600	650	ug/kg	
75-15-0	Carbon disulfide	ND	330	72	ug/kg	
56-23-5	Carbon tetrachloride	ND	330	92	ug/kg	
75-34-3	1,1-Dichloroethane	ND	330	130	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	330	85	ug/kg	
563-58-6	1,1-Dichloropropene	ND	330	92	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	330	160	ug/kg	
106-93-4	1,2-Dibromoethane	ND	330	65	ug/kg	
107-06-2	1,2-Dichloroethane	ND	330	72	ug/kg	
78-87-5	1,2-Dichloropropane	ND	330	92	ug/kg	
142-28-9	1,3-Dichloropropane	ND	330	65	ug/kg	
594-20-7	2,2-Dichloropropane	ND	330	140	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB33-27-a		
Lab Sample ID:	F61902-3	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	330	65	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	330	130	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	330	100	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	330	85	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	1600	330	ug/kg	
541-73-1	m-Dichlorobenzene	ND	330	65	ug/kg	
95-50-1	o-Dichlorobenzene	ND	330	65	ug/kg	
106-46-7	p-Dichlorobenzene	ND	330	65	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	330	79	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	330	65	ug/kg	
100-41-4	Ethylbenzene	ND	330	65	ug/kg	
97-63-2	Ethyl methacrylate	ND	1600	330	ug/kg	
76-13-1	Freon 113	ND	330	170	ug/kg	
591-78-6	2-Hexanone	ND	1600	330	ug/kg	
87-68-3	Hexachlorobutadiene	ND	330	79	ug/kg	
110-54-3	Hexane	ND	330	160	ug/kg	
98-82-8	Isopropylbenzene	4800	330	72	ug/kg	
99-87-6	p-Isopropyltoluene	ND	330	72	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1600	420	ug/kg	
126-98-7	Methacrylonitrile	ND	1600	360	ug/kg	
74-83-9	Methyl bromide	ND	330	140	ug/kg	
74-87-3	Methyl chloride	ND	330	160	ug/kg	
74-88-4	Methyl iodide	ND	650	130	ug/kg	
80-62-6	Methyl methacrylate	ND	1600	330	ug/kg	
74-95-3	Methylene bromide	ND	330	98	ug/kg	
75-09-2	Methylene chloride [a]	1690	650	330	ug/kg	
78-93-3	Methyl ethyl ketone	ND	1600	540	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	330	98	ug/kg	
91-20-3	Naphthalene	ND	330	130	ug/kg	
76-01-7	Pentachloroethane	ND	1600	330	ug/kg	
107-12-0	Propionitrile	ND	3300	790	ug/kg	
103-65-1	n-Propylbenzene	298	330	79	ug/kg	J
100-42-5	Styrene	ND	330	65	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	330	65	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	330	72	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	330	120	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	330	65	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	330	130	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	330	120	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	330	130	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB33-27-a		
Lab Sample ID:	F61902-3	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	330	65	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	330	65	ug/kg	
127-18-4	Tetrachloroethylene	ND	330	79	ug/kg	
108-88-3	Toluene	ND	330	65	ug/kg	
79-01-6	Trichloroethylene	ND	330	79	ug/kg	
75-69-4	Trichlorofluoromethane	ND	330	130	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	1600	330	ug/kg	
75-01-4	Vinyl chloride	ND	330	130	ug/kg	
108-05-4	Vinyl Acetate	ND	1600	790	ug/kg	
	m,p-Xylene	ND	650	120	ug/kg	
95-47-6	o-Xylene	ND	330	65	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-121%
2037-26-5	Toluene-D8	92%		71-130%
460-00-4	4-Bromofluorobenzene	90%		59-148%
17060-07-0	1,2-Dichloroethane-D4	98%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB33-27-a		
Lab Sample ID:	F61902-3	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	81.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086324.D	1	12/09/08	JG	12/03/08 10:55	n/a	GCD3631
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.65 g	5.0 ml	2.5 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1510	260	130	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	88% [a]		56-136%
460-00-4	4-Bromofluorobenzene	145% [b]		56-136%
98-08-8	aaa-Trifluorotoluene	117%		61-121%

(a) Result reported from PID.
(b) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB33-27-a		
Lab Sample ID:	F61902-3	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	81.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24462.D	1	12/11/08	NY	12/04/08	OP27325	GLL912
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.1	mg/kg	
	TPH (> C22-C36)	ND	10	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	78%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB33-35		
Lab Sample ID:	F61902-4	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054691.D	1	12/08/08	MM	12/03/08 10:55	n/a	VG2067
Run #2							

	Initial Weight
Run #1	5.54 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	53	26	ug/kg	
75-05-8	Acetonitrile	ND	53	17	ug/kg	
107-02-8	Acrolein	ND	26	10	ug/kg	
107-13-1	Acrylonitrile	ND	26	7.3	ug/kg	
107-05-1	Allyl chloride	ND	26	5.3	ug/kg	
71-43-2	Benzene	ND	5.3	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.3	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.3	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.3	1.8	ug/kg	
75-27-4	Bromodichloromethane	ND	5.3	1.3	ug/kg	
75-25-2	Bromoform	ND	5.3	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	5.3	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.3	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.3	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.3	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.3	2.1	ug/kg	
67-66-3	Chloroform	ND	5.3	1.8	ug/kg	
544-10-5	1-Chlorohexane	ND	5.3	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.3	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.3	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	26	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.3	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.3	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.3	2.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.3	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.3	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.3	2.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.3	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.3	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.3	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.3	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.3	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB33-35		
Lab Sample ID:	F61902-4	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.3	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.3	2.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.3	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.3	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	26	5.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.3	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.3	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.3	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.3	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.3	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.3	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	26	5.3	ug/kg	
76-13-1	Freon 113	ND	5.3	2.7	ug/kg	
591-78-6	2-Hexanone	ND	26	5.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.3	1.3	ug/kg	
110-54-3	Hexane	ND	5.3	2.5	ug/kg	
98-82-8	Isopropylbenzene	ND	5.3	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.3	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	26	6.8	ug/kg	
126-98-7	Methacrylonitrile	ND	26	5.8	ug/kg	
74-83-9	Methyl bromide	ND	5.3	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.3	2.5	ug/kg	
74-88-4	Methyl iodide	ND	11	2.1	ug/kg	
80-62-6	Methyl methacrylate	ND	26	5.3	ug/kg	
74-95-3	Methylene bromide	ND	5.3	1.6	ug/kg	
75-09-2	Methylene chloride [a]	5.9	11	5.3	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	26	8.8	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.3	1.6	ug/kg	
91-20-3	Naphthalene	ND	5.3	2.1	ug/kg	
76-01-7	Pentachloroethane	ND	26	5.3	ug/kg	
107-12-0	Propionitrile	ND	53	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.3	1.3	ug/kg	
100-42-5	Styrene	ND	5.3	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.3	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.3	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.3	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.3	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.3	2.1	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.3	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.3	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB33-35		
Lab Sample ID:	F61902-4	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.3	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.3	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.3	1.3	ug/kg	
108-88-3	Toluene	ND	5.3	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.3	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.3	2.1	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	26	5.3	ug/kg	
75-01-4	Vinyl chloride	ND	5.3	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	26	13	ug/kg	
	m,p-Xylene	ND	11	2.0	ug/kg	
95-47-6	o-Xylene	ND	5.3	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-121%
2037-26-5	Toluene-D8	87%		71-130%
460-00-4	4-Bromofluorobenzene	94%		59-148%
17060-07-0	1,2-Dichloroethane-D4	106%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB33-35		
Lab Sample ID:	F61902-4	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	85.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045087.D	1	12/08/08	AH	12/03/08 10:55	n/a	GQR1961
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.48 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.2	3.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%		56-136%
98-08-8	aaa-Trifluorotoluene	71%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB33-35		
Lab Sample ID:	F61902-4	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	85.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24444.D	1	12/10/08	NY	12/04/08	OP27325	GLL911
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.8	5.9	mg/kg	
	TPH (> C22-C36)	ND	9.8	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	78%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61902-5	**Date Sampled:**	12/01/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/03/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054731.D	1	12/09/08	MM	n/a	n/a	VG2068
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61902-5	**Date Sampled:**	12/01/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/03/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride [a]	5.5	10	5.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61902-5	**Date Sampled:**	12/01/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/03/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-121%
2037-26-5	Toluene-D8	88%		71-130%
460-00-4	4-Bromofluorobenzene	95%		59-148%
17060-07-0	1,2-Dichloroethane-D4	102%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

F61902

Page 1 of 1

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number [1]: 12-02-2008-2

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Zack Beck / Greg Kinsman

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [2]	Sample Matrix [4]	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)						Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
									Sample Analysis Requested [5]										Quality Assurance Samples [6]			
1	SS61-SB33-15	SS61-SB33	01-12-2008	1205	13 - 15	N	01	SO	5	X	X	X										2
1	SS61-SB33-15-MS	SS61-SB33	01-12-2008	1205	13 - 15	MS	01	SO	5	X	X	X										2
1	SS61-SB33-15-MSD	SS61-SB33	01-12-2008	1205	13 - 15	SD	01	SO	5	X	X	X										2
2	SS61-SB33-27	SS61-SB33	01-12-2008	1220	25 - 27	N	01	SO	5	X	X	X										2
3	SS61-SB33-27-a	SS61-SB33	01-12-2008	1220	25 - 27	FD	01	SO	5	X	X	X										2
4	SS61-SB33-35	SS61-SB33	01-12-2008	1235	33 - 35	N	01	SO	5	X	X	X										2
5	Trip Blank				-	TB		WQ	3	X		X										
					-																	
					-																	
					-																	
					-																	

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time		Received by (signed)	Date	Time
1.	[signature]	12/2/08	1400	1.	[signature]		
2.	[signature]	12/3/08	9:30	2.	[signature]	12/3/08	9:30
3.				3.			

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: _____ Shipped No.: _____

Method of Shipment: _____ Airbill Number: _____

Analytical Lab: Accutest Laboratories Delivery Location: _____

Lab Recipient: _____ Delivery Date/Time: _____

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

4.1 4

F61902: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61902 CLIENT: BHATE PROJECT: SS-61

DATE/TIME RECEIVED: 12/3/08 9:30 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.6

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 865 5824 0658

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [X] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 24

NUMBER OF 5035 FIELD KITS ? 0

NUMBER OF LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE 12/3/08 TECHNICIAN SIGNATURE/DATE E.T. 12-3-08 ASBD 12/17/07

4.1 4

F61902: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61902
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2067-MB	G0054678.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61902-1, F61902-2, F61902-3, F61902-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61902
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2067-MB	G0054678.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61902-1, F61902-2, F61902-3, F61902-4

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	7.7	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	3.6	5.0	2.0	ug/kg	J

Method Blank Summary

Job Number: F61902
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2067-MB	G0054678.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61902-1, F61902-2, F61902-3, F61902-4

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	80-121%
2037-26-5	Toluene-D8	88%	71-130%
460-00-4	4-Bromofluorobenzene	94%	59-148%
17060-07-0	1,2-Dichloroethane-D4	102%	77-123%

Method Blank Summary

Job Number: F61902
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2068-MB	G0054709.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61902-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61902
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2068-MB	G0054709.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61902-5

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	1.2	5.0	1.2	ug/kg	J
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F61902
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2068-MB	G0054709.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61902-5

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	1.4	5.0	1.0	ug/kg	J
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	80-121%
2037-26-5	Toluene-D8	91%	71-130%
460-00-4	4-Bromofluorobenzene	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	104%	77-123%

Blank Spike Summary

Job Number: F61902
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2067-BS	G0054692.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61902-1, F61902-2, F61902-3, F61902-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	167	67	61-144
75-05-8	Acetonitrile	500	508	102	59-139
107-02-8	Acrolein	250	49.0	20*	27-156
107-13-1	Acrylonitrile	250	291	116	55-144
107-05-1	Allyl chloride	50	59.7	119	41-152
71-43-2	Benzene	50	56.2	112	78-130
100-44-7	Benzyl Chloride	50	51.7	103	74-130
108-86-1	Bromobenzene	50	53.6	107	78-123
74-97-5	Bromochloromethane	50	44.7	89	72-122
75-27-4	Bromodichloromethane	50	49.7	99	73-122
75-25-2	Bromoform	50	47.1	94	70-139
104-51-8	n-Butylbenzene	50	62.6	125	80-138
135-98-8	sec-Butylbenzene	50	60.2	120	82-132
98-06-6	tert-Butylbenzene	50	58.7	117	79-130
108-90-7	Chlorobenzene	50	53.4	107	83-122
75-00-3	Chloroethane	50	48.7	97	61-153
67-66-3	Chloroform	50	55.2	110	79-129
544-10-5	1-Chlorohexane	50	50.8	102	85-137
95-49-8	o-Chlorotoluene	50	56.3	113	77-123
106-43-4	p-Chlorotoluene	50	56.7	113	78-129
110-75-8	2-Chloroethyl vinyl ether	250	324	130	52-142
75-15-0	Carbon disulfide	50	44.8	90	61-142
56-23-5	Carbon tetrachloride	50	58.3	117	79-135
75-34-3	1,1-Dichloroethane	50	55.6	111	77-132
75-35-4	1,1-Dichloroethylene	50	54.0	108	66-132
563-58-6	1,1-Dichloropropene	50	55.3	111	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	60.8	122	67-129
106-93-4	1,2-Dibromoethane	50	47.3	95	77-126
107-06-2	1,2-Dichloroethane	50	49.4	99	78-129
78-87-5	1,2-Dichloropropane	50	51.9	104	74-127
142-28-9	1,3-Dichloropropane	50	48.8	98	78-118
594-20-7	2,2-Dichloropropane	50	69.8	140*	80-137
124-48-1	Dibromochloromethane	50	44.7	89	78-117
75-71-8	Dichlorodifluoromethane	50	36.0	72	35-162
156-59-2	cis-1,2-Dichloroethylene	50	50.9	102	74-123
10061-01-5	cis-1,3-Dichloropropene	50	53.0	106	79-130

Blank Spike Summary

Job Number: F61902
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2067-BS	G0054692.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61902-1, F61902-2, F61902-3, F61902-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	53.3	107	71-126
541-73-1	m-Dichlorobenzene	50	55.2	110	82-126
95-50-1	o-Dichlorobenzene	50	56.6	113	83-123
106-46-7	p-Dichlorobenzene	50	56.5	113	84-124
156-60-5	trans-1,2-Dichloroethylene	50	53.6	107	77-129
10061-02-6	trans-1,3-Dichloropropene	50	55.8	112	87-131
100-41-4	Ethylbenzene	50	54.9	110	82-124
97-63-2	Ethyl methacrylate	50	51.5	103	78-118
76-13-1	Freon 113	50	79.3	159*	62-147
591-78-6	2-Hexanone	250	228	91	67-130
87-68-3	Hexachlorobutadiene	50	78.0	156*	77-150
110-54-3	Hexane	50	63.6	127	65-147
98-82-8	Isopropylbenzene	50	57.8	116	82-133
99-87-6	p-Isopropyltoluene	50	60.9	122	82-132
108-10-1	4-Methyl-2-pentanone	250	258	103	69-125
126-98-7	Methacrylonitrile	500	472	94	70-138
74-83-9	Methyl bromide	50	48.7	97	60-146
74-87-3	Methyl chloride	50	49.0	98	58-163
74-88-4	Methyl iodide	50	42.2	84	66-128
80-62-6	Methyl methacrylate	50	50.0	100	73-125
74-95-3	Methylene bromide	50	49.2	98	75-128
75-09-2	Methylene chloride	50	58.8	118	62-140
78-93-3	Methyl ethyl ketone	250	177	71	66-134
1634-04-4	Methyl Tert Butyl Ether	50	50.9	102	70-131
91-20-3	Naphthalene	50	97.2	194*	59-143
76-01-7	Pentachloroethane	50	57.0	114	64-156
107-12-0	Propionitrile	500	467	93	73-133
103-65-1	n-Propylbenzene	50	58.0	116	78-129
100-42-5	Styrene	50	54.6	109	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	51.3	103	81-121
71-55-6	1,1,1-Trichloroethane	50	58.4	117	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	54.2	108	70-128
79-00-5	1,1,2-Trichloroethane	50	50.0	100	76-118
87-61-6	1,2,3-Trichlorobenzene	50	67.2	134	78-136
96-18-4	1,2,3-Trichloropropane	50	47.5	95	74-125
120-82-1	1,2,4-Trichlorobenzene	50	114	228*	82-137

Blank Spike Summary

Job Number: F61902
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2067-BS	G0054692.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61902-1, F61902-2, F61902-3, F61902-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	57.8	116	77-129
108-67-8	1,3,5-Trimethylbenzene	50	57.2	114	79-129
127-18-4	Tetrachloroethylene	50	55.1	110	79-132
108-88-3	Toluene	50	53.1	106	80-123
79-01-6	Trichloroethylene	50	54.9	110	78-132
75-69-4	Trichlorofluoromethane	50	54.8	110	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	108	216*	74-138
75-01-4	Vinyl chloride	50	47.5	95	60-145
108-05-4	Vinyl Acetate	250	405	162	25-164
	m,p-Xylene	100	113	113	82-128
95-47-6	o-Xylene	50	55.2	110	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	80-121%
2037-26-5	Toluene-D8	98%	71-130%
460-00-4	4-Bromofluorobenzene	95%	59-148%
17060-07-0	1,2-Dichloroethane-D4	95%	77-123%

Blank Spike Summary

Job Number: F61902
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2068-BS	G0054708.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61902-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	96.2	38*	61-144
75-05-8	Acetonitrile	500	391	78	59-139
107-02-8	Acrolein	250	67.9	27	27-156
107-13-1	Acrylonitrile	250	264	106	55-144
107-05-1	Allyl chloride	50	45.3	91	41-152
71-43-2	Benzene	50	47.4	95	78-130
100-44-7	Benzyl Chloride	50	42.2	84	74-130
108-86-1	Bromobenzene	50	49.2	98	78-123
74-97-5	Bromochloromethane	50	40.3	81	72-122
75-27-4	Bromodichloromethane	50	43.6	87	73-122
75-25-2	Bromoform	50	40.4	81	70-139
104-51-8	n-Butylbenzene	50	54.4	109	80-138
135-98-8	sec-Butylbenzene	50	52.5	105	82-132
98-06-6	tert-Butylbenzene	50	50.7	101	79-130
108-90-7	Chlorobenzene	50	47.4	95	83-122
75-00-3	Chloroethane	50	40.0	80	61-153
67-66-3	Chloroform	50	47.7	95	79-129
544-10-5	1-Chlorohexane	50	42.5	85	85-137
95-49-8	o-Chlorotoluene	50	50.5	101	77-123
106-43-4	p-Chlorotoluene	50	50.9	102	78-129
110-75-8	2-Chloroethyl vinyl ether	250	259	104	52-142
75-15-0	Carbon disulfide	50	36.6	73	61-142
56-23-5	Carbon tetrachloride	50	45.7	91	79-135
75-34-3	1,1-Dichloroethane	50	46.7	93	77-132
75-35-4	1,1-Dichloroethylene	50	41.8	84	66-132
563-58-6	1,1-Dichloropropene	50	45.0	90	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	39.0	78	67-129
106-93-4	1,2-Dibromoethane	50	41.5	83	77-126
107-06-2	1,2-Dichloroethane	50	41.4	83	78-129
78-87-5	1,2-Dichloropropane	50	46.1	92	74-127
142-28-9	1,3-Dichloropropane	50	43.4	87	78-118
594-20-7	2,2-Dichloropropane	50	52.5	105	80-137
124-48-1	Dibromochloromethane	50	39.1	78	78-117
75-71-8	Dichlorodifluoromethane	50	29.0	58	35-162
156-59-2	cis-1,2-Dichloroethylene	50	45.3	91	74-123
10061-01-5	cis-1,3-Dichloropropene	50	46.6	93	79-130

Blank Spike Summary

Job Number: F61902
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2068-BS	G0054708.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61902-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	41.8	84	71-126
541-73-1	m-Dichlorobenzene	50	48.6	97	82-126
95-50-1	o-Dichlorobenzene	50	48.8	98	83-123
106-46-7	p-Dichlorobenzene	50	50.6	101	84-124
156-60-5	trans-1,2-Dichloroethylene	50	44.1	88	77-129
10061-02-6	trans-1,3-Dichloropropene	50	49.4	99	87-131
100-41-4	Ethylbenzene	50	47.9	96	82-124
97-63-2	Ethyl methacrylate	50	39.6	79	78-118
76-13-1	Freon 113	50	32.7	65	62-147
591-78-6	2-Hexanone	250	186	74	67-130
87-68-3	Hexachlorobutadiene	50	47.1	94	77-150
110-54-3	Hexane	50	50.0	100	65-147
98-82-8	Isopropylbenzene	50	50.5	101	82-133
99-87-6	p-Isopropyltoluene	50	53.4	107	82-132
108-10-1	4-Methyl-2-pentanone	250	211	84	69-125
126-98-7	Methacrylonitrile	500	355	71	70-138
74-83-9	Methyl bromide	50	40.2	80	60-146
74-87-3	Methyl chloride	50	39.9	80	58-163
74-88-4	Methyl iodide	50	36.8	74	66-128
80-62-6	Methyl methacrylate	50	37.6	75	73-125
74-95-3	Methylene bromide	50	42.4	85	75-128
75-09-2	Methylene chloride	50	46.4	93	62-140
78-93-3	Methyl ethyl ketone	250	142	57*	66-134
1634-04-4	Methyl Tert Butyl Ether	50	41.3	83	70-131
91-20-3	Naphthalene	50	36.1	72	59-143
76-01-7	Pentachloroethane	50	47.0	94	64-156
107-12-0	Propionitrile	500	335	67*	73-133
103-65-1	n-Propylbenzene	50	51.7	103	78-129
100-42-5	Styrene	50	48.7	97	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	45.6	91	81-121
71-55-6	1,1,1-Trichloroethane	50	45.6	91	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	45.2	90	70-128
79-00-5	1,1,2-Trichloroethane	50	42.3	85	76-118
87-61-6	1,2,3-Trichlorobenzene	50	40.2	80	78-136
96-18-4	1,2,3-Trichloropropane	50	39.9	80	74-125
120-82-1	1,2,4-Trichlorobenzene	50	33.9	68*	82-137

Blank Spike Summary

Job Number: F61902
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2068-BS	G0054708.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61902-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	51.8	104	77-129
108-67-8	1,3,5-Trimethylbenzene	50	50.5	101	79-129
127-18-4	Tetrachloroethylene	50	47.9	96	79-132
108-88-3	Toluene	50	46.9	94	80-123
79-01-6	Trichloroethylene	50	45.0	90	78-132
75-69-4	Trichlorofluoromethane	50	40.0	80	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	93.9	188*	74-138
75-01-4	Vinyl chloride	50	37.2	74	60-145
108-05-4	Vinyl Acetate	250	337	135	25-164
	m,p-Xylene	100	98.5	99	82-128
95-47-6	o-Xylene	50	48.4	97	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	80-121%
2037-26-5	Toluene-D8	103%	71-130%
460-00-4	4-Bromofluorobenzene	98%	59-148%
17060-07-0	1,2-Dichloroethane-D4	92%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61902
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61902-1MS	G0054687.D	1	12/08/08	MM	n/a	n/a	VG2067
F61902-1MSD	G0054688.D	1	12/08/08	MM	n/a	n/a	VG2067
F61902-1	G0054686.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61902-1, F61902-2, F61902-3, F61902-4

CAS No.	Compound	F61902-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		301	97.2	32*	106	34*	9	61-144/29
75-05-8	Acetonitrile	ND		602	517	86	559	88	8	59-139/30
107-02-8	Acrolein	ND		301	ND	0*	ND	0*	nc	27-156/39
107-13-1	Acrylonitrile	ND		301	255	85	267	84	5	55-144/24
107-05-1	Allyl chloride	ND		60.2	52.2	87	55.8	88	7	41-152/24
71-43-2	Benzene	ND		60.2	58.3	97	61.4	97	5	78-130/25
100-44-7	Benzyl Chloride	ND		60.2	35.0	58*	36.8	58*	5	74-130/28
108-86-1	Bromobenzene	ND		60.2	57.9	96	61.1	97	5	78-123/30
74-97-5	Bromochloromethane	ND		60.2	48.1	80	50.4	80	5	72-122/23
75-27-4	Bromodichloromethane	ND		60.2	51.8	86	53.9	85	4	73-122/25
75-25-2	Bromoform	ND		60.2	45.0	75	47.0	74	4	70-139/26
104-51-8	n-Butylbenzene	ND		60.2	58.4	97	61.9	98	6	80-138/31
135-98-8	sec-Butylbenzene	ND		60.2	59.3	99	62.8	99	6	82-132/29
98-06-6	tert-Butylbenzene	ND		60.2	59.0	98	60.7	96	3	79-130/29
108-90-7	Chlorobenzene	ND		60.2	54.9	91	56.7	90	3	83-122/23
75-00-3	Chloroethane	ND		60.2	50.5	84	53.7	85	6	61-153/31
67-66-3	Chloroform	ND		60.2	58.0	96	62.0	98	7	79-129/27
544-10-5	1-Chlorohexane	ND		60.2	45.3	75*	45.5	72*	0	85-137/29
95-49-8	o-Chlorotoluene	ND		60.2	58.7	98	62.9	99	7	77-123/31
106-43-4	p-Chlorotoluene	ND		60.2	57.2	95	61.8	98	8	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		301	325	108	336	106	3	52-142/25
75-15-0	Carbon disulfide	ND		60.2	43.2	72	45.4	72	5	61-142/27
56-23-5	Carbon tetrachloride	ND		60.2	45.2	75*	58.2	92	25	79-135/29
75-34-3	1,1-Dichloroethane	ND		60.2	57.6	96	60.6	96	5	77-132/26
75-35-4	1,1-Dichloroethylene	ND		60.2	46.5	77	48.4	77	4	66-132/27
563-58-6	1,1-Dichloropropene	ND		60.2	54.2	90	56.4	89	4	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		60.2	74.6	124	77.9	123	4	67-129/29
106-93-4	1,2-Dibromoethane	ND		60.2	46.6	77	48.1	76*	3	77-126/24
107-06-2	1,2-Dichloroethane	ND		60.2	51.5	86	53.4	84	4	78-129/24
78-87-5	1,2-Dichloropropane	ND		60.2	55.4	92	57.8	91	4	74-127/27
142-28-9	1,3-Dichloropropane	ND		60.2	47.3	79	48.8	77*	3	78-118/26
594-20-7	2,2-Dichloropropane	ND		60.2	58.9	98	59.7	94	1	80-137/28
124-48-1	Dibromochloromethane	ND		60.2	44.1	73*	44.3	70*	0	78-117/27
75-71-8	Dichlorodifluoromethane	ND		60.2	29.8	50	35.7	56	18	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		60.2	52.3	87	55.1	87	5	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		60.2	51.8	86	53.3	84	3	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61902
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61902-1MS	G0054687.D	1	12/08/08	MM	n/a	n/a	VG2067
F61902-1MSD	G0054688.D	1	12/08/08	MM	n/a	n/a	VG2067
F61902-1	G0054686.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61902-1, F61902-2, F61902-3, F61902-4

CAS No.	Compound	F61902-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		60.2	48.2	80	51.6	82	7	71-126/28
541-73-1	m-Dichlorobenzene	ND		60.2	58.2	97	61.5	97	6	82-126/29
95-50-1	o-Dichlorobenzene	ND		60.2	56.9	95	62.2	98	9	83-123/28
106-46-7	p-Dichlorobenzene	ND		60.2	58.4	97	63.0	100	8	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		60.2	54.6	91	58.9	93	8	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		60.2	53.9	90	54.9	87	2	87-131/27
100-41-4	Ethylbenzene	ND		60.2	55.0	91	57.1	90	4	82-124/25
97-63-2	Ethyl methacrylate	ND		60.2	15.4	26*	15.7	25*	2	78-118/30
76-13-1	Freon 113	ND		60.2	85.9	143	73.1	116	16	62-147/29
591-78-6	2-Hexanone	ND		301	192	64*	193	61*	1	67-130/29
87-68-3	Hexachlorobutadiene	ND		60.2	98.4	164*	107	169*	8	77-150/36
110-54-3	Hexane	ND		60.2	52.1	87	52.5	83	1	65-147/27
98-82-8	Isopropylbenzene	ND		60.2	57.7	96	59.2	94	3	82-133/27
99-87-6	p-Isopropyltoluene	ND		60.2	59.4	99	64.4	102	8	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		301	231	77	227	72	2	69-125/24
126-98-7	Methacrylonitrile	ND		602	451	75	473	75	5	70-138/22
74-83-9	Methyl bromide	ND		60.2	46.9	78	52.7	83	12	60-146/31
74-87-3	Methyl chloride	ND		60.2	49.1	82	52.1	82	6	58-163/26
74-88-4	Methyl iodide	ND		60.2	40.6	67	43.4	69	7	66-128/27
80-62-6	Methyl methacrylate	ND		60.2	54.6	91	54.9	87	1	73-125/24
74-95-3	Methylene bromide	ND		60.2	50.7	84	52.8	84	4	75-128/26
75-09-2	Methylene chloride	8.5	J	60.2	70.7	103	72.2	101	2	62-140/25
78-93-3	Methyl ethyl ketone	ND		301	127	42*	135	43*	6	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		60.2	50.6	84	53.9	85	6	70-131/25
91-20-3	Naphthalene	ND		60.2	640	1064*	671	1061*	5	59-143/31
76-01-7	Pentachloroethane	ND		60.2	55.8	93	56.6	90	1	64-156/37
107-12-0	Propionitrile	ND		602	449	75	462	73	3	73-133/23
103-65-1	n-Propylbenzene	ND		60.2	59.3	99	62.1	98	5	78-129/29
100-42-5	Styrene	ND		60.2	53.9	90	56.1	89	4	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		60.2	52.3	87	53.3	84	2	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		60.2	56.3	94	57.9	92	3	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		60.2	55.9	93	59.8	95	7	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		60.2	51.1	85	52.3	83	2	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		60.2	822	1366*	755	1194*	8	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		60.2	48.9	81	51.2	81	5	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		60.2	357	593*	368	582*	3	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61902
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61902-1MS	G0054687.D	1	12/08/08	MM	n/a	n/a	VG2067
F61902-1MSD	G0054688.D	1	12/08/08	MM	n/a	n/a	VG2067
F61902-1	G0054686.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61902-1, F61902-2, F61902-3, F61902-4

CAS No.	Compound	F61902-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		60.2	60.9	101	65.5	104	7	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		60.2	59.5	99	61.5	97	3	79-129/31
127-18-4	Tetrachloroethylene	ND		60.2	56.4	94	60.4	96	7	79-132/27
108-88-3	Toluene	ND		60.2	53.3	89	53.6	85	1	80-123/26
79-01-6	Trichloroethylene	ND		60.2	55.7	93	58.6	93	5	78-132/28
75-69-4	Trichlorofluoromethane	ND		60.2	52.3	87	57.7	91	10	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		60.2	98.2	163*	104	164*	6	74-138/30
75-01-4	Vinyl chloride	ND		60.2	45.6	76	47.8	76	5	60-145/29
108-05-4	Vinyl Acetate	ND		301	40.8	14*	40.2	13*	1	25-164/35
	m,p-Xylene	ND		120	117	97	119	94	2	82-128/25
95-47-6	o-Xylene	ND		60.2	55.5	92	58.3	92	5	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61902-1	Limits
1868-53-7	Dibromofluoromethane	100%	101%	103%	80-121%
2037-26-5	Toluene-D8	97%	93%	88%	71-130%
460-00-4	4-Bromofluorobenzene	94%	93%	93%	59-148%
17060-07-0	1,2-Dichloroethane-D4	93%	94%	102%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61902
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61934-1MS	G0054717.D	1	12/09/08	MM	n/a	n/a	VG2068
F61934-1MSD	G0054718.D	1	12/09/08	MM	n/a	n/a	VG2068
F61934-1	G0054716.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61902-5

CAS No.	Compound	F61934-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		278	111	40*	117	42*	5	61-144/29
75-05-8	Acetonitrile	ND		557	438	79	444	79	1	59-139/30
107-02-8	Acrolein	ND		278	ND	0*	14.2	5*	200*	27-156/39
107-13-1	Acrylonitrile	ND		278	248	89	265	94	7	55-144/24
107-05-1	Allyl chloride	ND		55.7	53.6	96	53.5	95	0	41-152/24
71-43-2	Benzene	ND		55.7	54.6	98	53.5	95	2	78-130/25
100-44-7	Benzyl Chloride	ND		55.7	39.6	71*	38.9	69*	2	74-130/28
108-86-1	Bromobenzene	ND		55.7	57.3	103	58.0	103	1	78-123/30
74-97-5	Bromochloromethane	ND		55.7	47.8	86	47.2	84	1	72-122/23
75-27-4	Bromodichloromethane	ND		55.7	53.3	96	53.5	95	0	73-122/25
75-25-2	Bromoform	ND		55.7	52.7	95	48.0	85	9	70-139/26
104-51-8	n-Butylbenzene	ND		55.7	57.3	103	60.7	108	6	80-138/31
135-98-8	sec-Butylbenzene	ND		55.7	59.3	107	59.9	107	1	82-132/29
98-06-6	tert-Butylbenzene	ND		55.7	58.9	106	58.6	104	1	79-130/29
108-90-7	Chlorobenzene	ND		55.7	55.1	99	54.6	97	1	83-122/23
75-00-3	Chloroethane	ND		55.7	31.2	56*	32.0	57*	3	61-153/31
67-66-3	Chloroform	ND		55.7	55.0	99	55.3	98	1	79-129/27
544-10-5	1-Chlorohexane	ND		55.7	47.0	84*	46.0	82*	2	85-137/29
95-49-8	o-Chlorotoluene	ND		55.7	58.7	105	60.1	107	2	77-123/31
106-43-4	p-Chlorotoluene	ND		55.7	58.8	106	59.2	105	1	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		278	346	124	335	119	3	52-142/25
75-15-0	Carbon disulfide	ND		55.7	29.4	53*	29.8	53*	1	61-142/27
56-23-5	Carbon tetrachloride	ND		55.7	51.6	93	51.7	92	0	79-135/29
75-34-3	1,1-Dichloroethane	ND		55.7	53.2	96	53.6	95	1	77-132/26
75-35-4	1,1-Dichloroethylene	ND		55.7	34.3	62*	35.1	62*	2	66-132/27
563-58-6	1,1-Dichloropropene	ND		55.7	49.9	90	50.6	90	1	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		55.7	22.9	41*	36.7	65*	46*	67-129/29
106-93-4	1,2-Dibromoethane	ND		55.7	54.4	98	50.5	90	7	77-126/24
107-06-2	1,2-Dichloroethane	ND		55.7	51.0	92	49.9	89	2	78-129/24
78-87-5	1,2-Dichloropropane	ND		55.7	56.0	101	54.2	96	3	74-127/27
142-28-9	1,3-Dichloropropane	ND		55.7	54.4	98	50.9	91	7	78-118/26
594-20-7	2,2-Dichloropropane	ND		55.7	52.1	94	53.4	95	2	80-137/28
124-48-1	Dibromochloromethane	ND		55.7	50.6	91	47.6	85	6	78-117/27
75-71-8	Dichlorodifluoromethane	ND		55.7	22.5	40	21.8	39	3	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		55.7	50.2	90	51.7	92	3	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		55.7	54.9	99	54.9	98	0	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61902
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61934-1MS	G0054717.D	1	12/09/08	MM	n/a	n/a	VG2068
F61934-1MSD	G0054718.D	1	12/09/08	MM	n/a	n/a	VG2068
F61934-1	G0054716.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61902-5

CAS No.	Compound	F61934-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		55.7	52.8	95	53.1	95	1	71-126/28
541-73-1	m-Dichlorobenzene	ND		55.7	56.0	101	57.5	102	3	82-126/29
95-50-1	o-Dichlorobenzene	ND		55.7	55.7	100	56.5	101	1	83-123/28
106-46-7	p-Dichlorobenzene	ND		55.7	56.9	102	57.8	103	2	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		55.7	49.9	90	49.8	89	0	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		55.7	59.8	107	57.8	103	3	87-131/27
100-41-4	Ethylbenzene	ND		55.7	55.4	100	53.4	95	4	82-124/25
97-63-2	Ethyl methacrylate	ND		55.7	24.9	45*	22.5	40*	10	78-118/30
76-13-1	Freon 113	ND		55.7	29.9	54*	54.8	98	59*	62-147/29
591-78-6	2-Hexanone	ND		278	233	84	205	73	13	67-130/29
87-68-3	Hexachlorobutadiene	ND		55.7	11.2	20*	27.2	48*	83*	77-150/36
110-54-3	Hexane	ND		55.7	47.5	85	47.0	84	1	65-147/27
98-82-8	Isopropylbenzene	ND		55.7	58.5	105	56.7	101	3	82-133/27
99-87-6	p-Isopropyltoluene	ND		55.7	58.7	105	60.2	107	3	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		278	288	103	264	94	9	69-125/24
126-98-7	Methacrylonitrile	ND		557	469	84	466	83	1	70-138/22
74-83-9	Methyl bromide	ND		55.7	31.9	57*	32.6	58*	2	60-146/31
74-87-3	Methyl chloride	ND		55.7	32.3	58	32.0	57*	1	58-163/26
74-88-4	Methyl iodide	ND		55.7	28.5	51*	29.5	53*	3	66-128/27
80-62-6	Methyl methacrylate	ND		55.7	63.0	113	55.9	100	12	73-125/24
74-95-3	Methylene bromide	ND		55.7	51.5	93	50.0	89	3	75-128/26
75-09-2	Methylene chloride	ND		55.7	53.4	96	50.5	90	6	62-140/25
78-93-3	Methyl ethyl ketone	ND		278	134	48*	133	47*	1	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		55.7	51.9	93	50.3	90	3	70-131/25
91-20-3	Naphthalene	ND		55.7	16.6	30*	18.7	33*	12	59-143/31
76-01-7	Pentachloroethane	ND		55.7	51.2	92	51.4	92	0	64-156/37
107-12-0	Propionitrile	ND		557	465	84	431	77	8	73-133/23
103-65-1	n-Propylbenzene	ND		55.7	58.4	105	58.5	104	0	78-129/29
100-42-5	Styrene	ND		55.7	58.7	105	56.7	101	3	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		55.7	56.5	101	52.7	94	7	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		55.7	53.5	96	52.8	94	1	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		55.7	59.2	106	57.6	103	3	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		55.7	55.2	99	52.4	93	5	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		55.7	23.6	42*	28.1	50*	17	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		55.7	50.5	91	49.5	88	2	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		55.7	3.7	7*	8.0	14*	74*	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61902
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61934-1MS	G0054717.D	1	12/09/08	MM	n/a	n/a	VG2068
F61934-1MSD	G0054718.D	1	12/09/08	MM	n/a	n/a	VG2068
F61934-1	G0054716.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61902-5

CAS No.	Compound	F61934-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		55.7	59.9	108	60.5	108	1	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		55.7	59.2	106	59.7	106	1	79-129/31
127-18-4	Tetrachloroethylene	ND		55.7	59.5	107	56.8	101	5	79-132/27
108-88-3	Toluene	ND		55.7	55.0	99	54.3	97	1	80-123/26
79-01-6	Trichloroethylene	ND		55.7	51.5	93	49.3	88	4	78-132/28
75-69-4	Trichlorofluoromethane	ND		55.7	31.7	57*	32.6	58*	3	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		55.7	117	210*	108	192*	8	74-138/30
75-01-4	Vinyl chloride	ND		55.7	29.2	52*	30.0	53*	3	60-145/29
108-05-4	Vinyl Acetate	ND		278	58.8	21*	59.9	21*	2	25-164/35
	m,p-Xylene	ND		111	114	102	112	100	2	82-128/25
95-47-6	o-Xylene	ND		55.7	57.6	103	56.1	100	3	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61934-1	Limits
1868-53-7	Dibromofluoromethane	98%	97%	102%	80-121%
2037-26-5	Toluene-D8	104%	104%	90%	71-130%
460-00-4	4-Bromofluorobenzene	100%	97%	93%	59-148%
17060-07-0	1,2-Dichloroethane-D4	94%	91%	104%	77-123%

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61902
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1961-MB	QR045077.D	1	12/08/08	AH	n/a	n/a	GQR1961

The QC reported here applies to the following samples: **Method:** SW846 8015

F61902-1, F61902-2, F61902-4

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	86%	56-136%
98-08-8	aaa-Trifluorotoluene	78%	61-121%

Method Blank Summary

Job Number: F61902
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3631-MB	CD086319.D	1	12/09/08	JG	n/a	n/a	GCD3631

The QC reported here applies to the following samples: **Method:** SW846 8015

F61902-3

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	83%	56-136%
98-08-8	aaa-Trifluorotoluene	83%	61-121%

Blank Spike Summary

Job Number: F61902
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1961-BS	QR045076.D	1	12/08/08	AH	n/a	n/a	GQR1961

The QC reported here applies to the following samples: **Method:** SW846 8015

F61902-1, F61902-2, F61902-4

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	16.8	84	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	103%	56-136%
98-08-8	aaa-Trifluorotoluene	93%	61-121%

Blank Spike Summary

Job Number: F61902
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3631-BS	CD086318.D	1	12/09/08	JG	n/a	n/a	GCD3631

The QC reported here applies to the following samples: **Method:** SW846 8015

F61902-3

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	19.6	98	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	110%	56-136%
98-08-8	aaa-Trifluorotoluene	99%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61902
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61902-1MS	QR045095.D	1	12/08/08	AH	n/a	n/a	GQR1961
F61902-1MSD	QR045096.D	1	12/08/08	AH	n/a	n/a	GQR1961
F61902-1	QR045079.D	1	12/08/08	AH	n/a	n/a	GQR1961

The QC reported here applies to the following samples: **Method:** SW846 8015

F61902-1, F61902-2, F61902-4

CAS No.	Compound	F61902-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	4.43	J	27.4	25.7	78	26.7	81	4	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61902-1	Limits
460-00-4	4-Bromofluorobenzene	103%	102%	83%	56-136%
98-08-8	aaa-Trifluorotoluene	91%	89%	71%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61902
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61879-3MS	CD086326.D	1	12/09/08	JG	n/a	n/a	GCD3631
F61879-3MSD	CD086327.D	1	12/09/08	JG	n/a	n/a	GCD3631
F61879-3	CD086322.D	1	12/09/08	JG	n/a	n/a	GCD3631

The QC reported here applies to the following samples: **Method:** SW846 8015

F61902-3

CAS No.	Compound	F61879-3 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	4.19	J	32.2	32.2	87	33.5	91	4	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61879-3	Limits
460-00-4	4-Bromofluorobenzene	111%	115%	82%	56-136%
98-08-8	aaa-Trifluorotoluene	103%	99%	85%	61-121%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61902
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27325-MB	LL24438.D	1	12/10/08	NY	12/04/08	OP27325	GLL911

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61902-1, F61902-2, F61902-3, F61902-4

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	84%	49-108%

Method Blank Summary

Job Number: F61902
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27325-MB	LL24461.D	1	12/11/08	NY	12/04/08	OP27325	GLL912

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61902-1, F61902-2, F61902-3, F61902-4

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	81%	49-108%

Blank Spike Summary

Job Number: F61902
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27325-BS	LL24437.D	1	12/10/08	NY	12/04/08	OP27325	GLL911

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61902-1, F61902-2, F61902-3, F61902-4

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	32.0	96	64-102
	TPH (> C22-C36)	33.3	33.2	100	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	97%	49-108%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61902
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27325-MS	LL24440.D	1	12/10/08	NY	12/04/08	OP27325	GLL911
OP27325-MSD	LL24441.D	1	12/10/08	NY	12/04/08	OP27325	GLL911
F61902-1	LL24439.D	1	12/10/08	NY	12/04/08	OP27325	GLL911

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61902-1, F61902-2, F61902-3, F61902-4

CAS No.	Compound	F61902-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		40.9	33.1	81	32.5	79	2	64-102/32
	TPH (> C22-C36)	ND		40.9	36.2	89	38.1	92	5	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F61902-1	Limits
84-15-1	o-Terphenyl	86%	86%	79%	49-108%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/23/08

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F61903

Sampling Dates: 12/01/08 - 12/02/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **78**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Note: This report is password protected to disallow document modification or assembly.
A password to unlock this report is available from your client service representative.

Sections: 1 2 3 4 5 6 7

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F61903-1: SS61-SB34-20 7
3.2: F61903-2: SS61-SB34-26 12
3.3: F61903-2A: SS61-SB34-26 16
3.4: F61903-3: SS61-SB34-30 17
3.5: F61903-4: SS61-SB35-25 22
3.6: F61903-5: SS61-SB35-32 27
3.7: F61903-6: SS61-SB35-36 32
3.8: F61903-7: TRIP BLANK 37
Section 4: Misc. Forms **40**
4.1: Chain of Custody 41
Section 5: GC/MS Volatiles - QC Data Summaries **43**
5.1: Method Blank Summary 44
5.2: Blank Spike Summary 50
5.3: Matrix Spike/Matrix Spike Duplicate Summary 56
Section 6: GC Volatiles - QC Data Summaries **62**
6.1: Method Blank Summary 63
6.2: Blank Spike Summary 67
6.3: Matrix Spike/Matrix Spike Duplicate Summary 71
Section 7: GC Semi-volatiles - QC Data Summaries **74**
7.1: Method Blank Summary 75
7.2: Blank Spike Summary 77
7.3: Matrix Spike/Matrix Spike Duplicate Summary 78

Sample Summary

North Wind, Inc

Job No: F61903

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F61903-1	12/01/08	14:55	ZB	12/03/08	SO	Soil	SS61-SB34-20
F61903-2	12/01/08	15:10	ZB	12/03/08	SO	Soil	SS61-SB34-26
F61903-2A	12/01/08	15:10	ZB	12/03/08	SO	Soil	SS61-SB34-26
F61903-3	12/01/08	15:25	ZB	12/03/08	SO	Soil	SS61-SB34-30
F61903-4	12/02/08	08:10	ZB	12/03/08	SO	Soil	SS61-SB35-25
F61903-5	12/02/08	08:20	ZB	12/03/08	SO	Soil	SS61-SB35-32
F61903-6	12/02/08	08:30	ZB	12/03/08	SO	Soil	SS61-SB35-36
F61903-7	12/01/08	00:00	ZB	12/03/08	SO	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F61903

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/19/2008 2:49:05

6 Samples, 1 Trip Blank were collected on between 12/01/2008 and 12/02/2008 and received at Accutest on 12/03/2008 properly preserved, at 2.4 Deg. C and intact. These Samples received an Accutest job number of F61903. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2067

All samples were analyzed within the recommended method holding time.

Sample(s) F61902-1MS, F61902-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for 1,2,4-Trichlorobenzene, 2,2-Dichloropropane, Acrolein, Freon 113, Hexachlorobutadiene, Naphthalene, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1-Chlorohexane, 2-Hexanone, Acetone, Acrolein, Benzyl Chloride, Carbon tetrachloride, Dibromochloromethane, Ethyl methacrylate, Hexachlorobutadiene, Methyl ethyl ketone, Naphthalene, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,2-Dibromoethane, 1,3-Dichloropropane, 1-Chlorohexane, 2-Hexanone, Acetone, Acrolein, Benzyl Chloride, Dibromochloromethane, Ethyl methacrylate, Hexachlorobutadiene, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

F61903-7 for Methylene chloride: Suspected laboratory contaminant.

F61903-4 for Methylene chloride: Suspected laboratory contaminant.

F61903-3 for Methylene chloride: Suspected laboratory contaminant.

F61903-1 for Methylene chloride: Suspected laboratory contaminant.

F61903-1 for Naphthalene: CCV outside of control limits; results may be biased high.

F61903-1 for 1,2,4-Trichlorobenzene: CCV outside of control limits; results may be biased high.

F61903-6 for Methylene chloride: Suspected laboratory contaminant.

F61903-5 for Methylene chloride: Suspected laboratory contaminant.

Matrix: SO **Batch ID:** VG2068

All samples were analyzed within the recommended method holding time.

Sample(s) F61934-1MS, F61934-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for 1,2,4-Trichlorobenzene, Acetone, Methyl ethyl ketone, Propionitrile, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for 1,1-Dichloroethylene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, 1-Chlorohexane, Acetone, Acrolein, Benzyl Chloride, Carbon disulfide, Chloroethane, Ethyl methacrylate, Freon 113, Hexachlorobutadiene, Methyl bromide, Methyl ethyl ketone, Methyl iodide, Naphthalene, Trans-1,4-Dichloro-2-Butene, Trichlorofluoromethane, Vinyl Acetate, Vinyl chloride are outside control limits. Probable cause

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2068

Matrix Spike Duplicate Recovery(s) for 1,1-Dichloroethylene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, 1-Chlorohexane, Acetone, Acrolein, Benzyl Chloride, Carbon disulfide, Chloroethane, Ethyl methacrylate, Hexachlorobutadiene, Methyl bromide, Methyl chloride, Methyl ethyl ketone, Methyl iodide, Naphthalene, Trans-1,4-Dichloro-2-Butene, Trichlorofluoromethane, Vinyl Acetate, Vinyl chloride are outside control limits. Probable cause due to matrix interference.

RPD(s) for MSD for 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, Acrolein, Freon 113, Hexachlorobutadiene are outside control limits for sample F61934-1MSD. Probable cause due to sample homogeneity.

F61903-2 for Methylene chloride: Suspected laboratory contaminant.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GCD3633

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61903-2 have surrogates outside control limits. Probable cause due to matrix interference.

F61903-2 for 4-Bromofluorobenzene: Outside control limits due to matrix interference.

F61903-2 for 4-Bromofluorobenzene: Result reported from PID.

Matrix: SO **Batch ID:** GCD3634

All samples were analyzed within the recommended method holding time.

Sample(s) F62063-1MS, F62063-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Sample(s) F61903-2 have surrogates outside control limits. Probable cause due to matrix interference.

Matrix: SO **Batch ID:** GQR1961

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61902-1MS, F61902-1MSD were used as the QC samples indicated.

Sample(s) F61903-2 have surrogates outside control limits. Probable cause due to matrix interference.

Matrix: SO **Batch ID:** GQR1968

All method blanks for this batch meet method specific criteria.

Sample(s) F61903-2 have surrogates outside control limits. Probable cause due to matrix interference.

Extractables by GC By Method SW846 8015 M

Matrix: SO **Batch ID:** OP27325

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F61902-1MS, F61902-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Wet Chemistry By Method SM19 2540B M

Matrix: SO **Batch ID:** GN33024

Sample(s) F61902-1DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: December 19, 2008

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-SB34-20		
Lab Sample ID:	F61903-1	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054693.D	1	12/08/08	MM	12/03/08 11:23	n/a	VG2067
Run #2							

	Initial Weight
Run #1	5.72 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	53	26	ug/kg	
75-05-8	Acetonitrile	ND	53	17	ug/kg	
107-02-8	Acrolein	ND	26	10	ug/kg	
107-13-1	Acrylonitrile	ND	26	7.3	ug/kg	
107-05-1	Allyl chloride	ND	26	5.3	ug/kg	
71-43-2	Benzene	ND	5.3	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.3	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.3	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.3	1.8	ug/kg	
75-27-4	Bromodichloromethane	ND	5.3	1.3	ug/kg	
75-25-2	Bromoform	ND	5.3	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	5.3	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.3	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.3	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.3	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.3	2.1	ug/kg	
67-66-3	Chloroform	ND	5.3	1.8	ug/kg	
544-10-5	1-Chlorohexane	ND	5.3	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.3	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.3	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	26	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.3	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.3	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.3	2.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.3	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.3	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.3	2.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.3	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.3	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.3	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.3	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.3	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB34-20		
Lab Sample ID:	F61903-1	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.3	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.3	2.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.3	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.3	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	26	5.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.3	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.3	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.3	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.3	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.3	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.3	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	26	5.3	ug/kg	
76-13-1	Freon 113	ND	5.3	2.7	ug/kg	
591-78-6	2-Hexanone	ND	26	5.3	ug/kg	
87-68-3	Hexachlorobutadiene	1.3	5.3	1.3	ug/kg	J
110-54-3	Hexane	ND	5.3	2.5	ug/kg	
98-82-8	Isopropylbenzene	ND	5.3	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.3	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	26	6.7	ug/kg	
126-98-7	Methacrylonitrile	ND	26	5.8	ug/kg	
74-83-9	Methyl bromide	ND	5.3	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.3	2.5	ug/kg	
74-88-4	Methyl iodide	ND	11	2.1	ug/kg	
80-62-6	Methyl methacrylate	ND	26	5.3	ug/kg	
74-95-3	Methylene bromide	ND	5.3	1.6	ug/kg	
75-09-2	Methylene chloride [a]	7.0	11	5.3	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	26	8.7	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.3	1.6	ug/kg	
91-20-3	Naphthalene [b]	8.0	5.3	2.1	ug/kg	J
76-01-7	Pentachloroethane	ND	26	5.3	ug/kg	
107-12-0	Propionitrile	ND	53	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.3	1.3	ug/kg	
100-42-5	Styrene	ND	5.3	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.3	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.3	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.3	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.3	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.3	2.1	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.3	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene [b]	4.7	5.3	2.1	ug/kg	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB34-20		
Lab Sample ID:	F61903-1	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.3	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.3	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.3	1.3	ug/kg	
108-88-3	Toluene	ND	5.3	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.3	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.3	2.1	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	26	5.3	ug/kg	
75-01-4	Vinyl chloride	ND	5.3	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	26	13	ug/kg	
	m,p-Xylene	ND	11	2.0	ug/kg	
95-47-6	o-Xylene	ND	5.3	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-121%
2037-26-5	Toluene-D8	89%		71-130%
460-00-4	4-Bromofluorobenzene	94%		59-148%
17060-07-0	1,2-Dichloroethane-D4	104%		77-123%

(a) Suspected laboratory contaminant.
(b) CCV outside of control limits; results may be biased high.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB34-20		
Lab Sample ID:	F61903-1	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	83.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045089.D	1	12/08/08	AH	12/03/08 11:23	n/a	GQR1961
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.58 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.4	3.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%		56-136%
98-08-8	aaa-Trifluorotoluene	76%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB34-20		
Lab Sample ID:	F61903-1	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	83.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24445.D	1	12/10/08	NY	12/04/08	OP27325	GLL911
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.0	mg/kg	
	TPH (> C22-C36)	ND	10	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	73%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB34-26		
Lab Sample ID:	F61903-2	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	79.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054712.D	1	12/09/08	MM	12/03/08 11:23	n/a	VG2068
Run #2							

	Initial Weight
Run #1	4.96 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	63	32	ug/kg	
75-05-8	Acetonitrile	ND	63	20	ug/kg	
107-02-8	Acrolein	ND	32	12	ug/kg	
107-13-1	Acrylonitrile	ND	32	8.7	ug/kg	
107-05-1	Allyl chloride	ND	32	6.3	ug/kg	
71-43-2	Benzene	ND	6.3	1.3	ug/kg	
100-44-7	Benzyl Chloride	ND	6.3	1.4	ug/kg	
108-86-1	Bromobenzene	ND	6.3	1.3	ug/kg	
74-97-5	Bromochloromethane	ND	6.3	2.2	ug/kg	
75-27-4	Bromodichloromethane	ND	6.3	1.5	ug/kg	
75-25-2	Bromoform	ND	6.3	1.9	ug/kg	
104-51-8	n-Butylbenzene	ND	6.3	1.8	ug/kg	
135-98-8	sec-Butylbenzene	14.2	6.3	1.4	ug/kg	
98-06-6	tert-Butylbenzene	199	6.3	1.4	ug/kg	
108-90-7	Chlorobenzene	ND	6.3	1.3	ug/kg	
75-00-3	Chloroethane	ND	6.3	2.5	ug/kg	
67-66-3	Chloroform	ND	6.3	2.2	ug/kg	
544-10-5	1-Chlorohexane	ND	6.3	1.6	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.3	1.3	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.3	1.3	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	32	13	ug/kg	
75-15-0	Carbon disulfide	ND	6.3	1.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.3	1.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.3	2.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.3	1.6	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.3	1.8	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.3	3.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.3	1.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.3	1.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.3	1.8	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.3	1.3	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.3	2.7	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB34-26		
Lab Sample ID:	F61903-2	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	79.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	6.3	1.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.3	2.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.3	2.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.3	1.6	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	32	6.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.3	1.3	ug/kg	
95-50-1	o-Dichlorobenzene	3.1	6.3	1.3	ug/kg	J
106-46-7	p-Dichlorobenzene	ND	6.3	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.3	1.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.3	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	6.3	1.3	ug/kg	
97-63-2	Ethyl methacrylate	ND	32	6.3	ug/kg	
76-13-1	Freon 113	ND	6.3	3.3	ug/kg	
591-78-6	2-Hexanone	ND	32	6.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.3	1.5	ug/kg	
110-54-3	Hexane	ND	6.3	3.0	ug/kg	
98-82-8	Isopropylbenzene	ND	6.3	1.4	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.3	1.4	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	32	8.1	ug/kg	
126-98-7	Methacrylonitrile	ND	32	7.0	ug/kg	
74-83-9	Methyl bromide	ND	6.3	2.8	ug/kg	
74-87-3	Methyl chloride	ND	6.3	3.0	ug/kg	
74-88-4	Methyl iodide	ND	13	2.5	ug/kg	
80-62-6	Methyl methacrylate	ND	32	6.3	ug/kg	
74-95-3	Methylene bromide	ND	6.3	1.9	ug/kg	
75-09-2	Methylene chloride [a]	14.8	13	6.3	ug/kg	
78-93-3	Methyl ethyl ketone	ND	32	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.3	1.9	ug/kg	
91-20-3	Naphthalene	ND	6.3	2.5	ug/kg	
76-01-7	Pentachloroethane	ND	32	6.3	ug/kg	
107-12-0	Propionitrile	ND	63	15	ug/kg	
103-65-1	n-Propylbenzene	ND	6.3	1.5	ug/kg	
100-42-5	Styrene	ND	6.3	1.3	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.3	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.3	1.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.3	2.3	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.3	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.3	2.5	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.3	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.3	2.5	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB34-26		
Lab Sample ID:	F61903-2	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	79.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	6.3	1.3	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.3	1.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.3	1.5	ug/kg	
108-88-3	Toluene	ND	6.3	1.3	ug/kg	
79-01-6	Trichloroethylene	ND	6.3	1.5	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.3	2.5	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	32	6.3	ug/kg	
75-01-4	Vinyl chloride	ND	6.3	2.5	ug/kg	
108-05-4	Vinyl Acetate	ND	32	15	ug/kg	
	m,p-Xylene	ND	13	2.4	ug/kg	
95-47-6	o-Xylene	ND	6.3	1.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-121%
2037-26-5	Toluene-D8	98%		71-130%
460-00-4	4-Bromofluorobenzene	83%		59-148%
17060-07-0	1,2-Dichloroethane-D4	93%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB34-26		
Lab Sample ID:	F61903-2	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	79.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086386.D	1	12/11/08	JG	12/03/08 11:23	n/a	GCD3633
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.46 g	5.0 ml	10.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	639	70	35	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90% [a]		56-136%
460-00-4	4-Bromofluorobenzene	158% [b]		56-136%
98-08-8	aaa-Trifluorotoluene	93%		61-121%

(a) Result reported from PID.
(b) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB34-26		
Lab Sample ID:	F61903-2A	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	79.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24452.D	1	12/10/08	NY	12/04/08	OP27325	GLL911
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.2	mg/kg	
	TPH (> C22-C36)	ND	10	6.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	83%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB34-30		
Lab Sample ID:	F61903-3	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054695.D	1	12/08/08	MM	12/03/08 11:23	n/a	VG2067
Run #2							

	Initial Weight
Run #1	5.26 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	56	28	ug/kg	
75-05-8	Acetonitrile	ND	56	18	ug/kg	
107-02-8	Acrolein	ND	28	11	ug/kg	
107-13-1	Acrylonitrile	ND	28	7.8	ug/kg	
107-05-1	Allyl chloride	ND	28	5.6	ug/kg	
71-43-2	Benzene	ND	5.6	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.6	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.6	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.6	1.9	ug/kg	
75-27-4	Bromodichloromethane	ND	5.6	1.4	ug/kg	
75-25-2	Bromoform	ND	5.6	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	5.6	1.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.6	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.6	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.6	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.6	2.3	ug/kg	
67-66-3	Chloroform	ND	5.6	1.9	ug/kg	
544-10-5	1-Chlorohexane	ND	5.6	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.6	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.6	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	28	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.6	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.6	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.6	2.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.6	1.5	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.6	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.6	2.7	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.6	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.6	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.6	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.6	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.6	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB34-30		
Lab Sample ID:	F61903-3	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.6	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.6	2.3	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.6	1.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.6	1.5	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	28	5.6	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.6	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.6	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.6	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.6	1.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.6	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.6	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	28	5.6	ug/kg	
76-13-1	Freon 113	ND	5.6	2.9	ug/kg	
591-78-6	2-Hexanone	ND	28	5.6	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.6	1.4	ug/kg	
110-54-3	Hexane	ND	5.6	2.7	ug/kg	
98-82-8	Isopropylbenzene	ND	5.6	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.6	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	28	7.2	ug/kg	
126-98-7	Methacrylonitrile	ND	28	6.2	ug/kg	
74-83-9	Methyl bromide	ND	5.6	2.5	ug/kg	
74-87-3	Methyl chloride	ND	5.6	2.7	ug/kg	
74-88-4	Methyl iodide	ND	11	2.3	ug/kg	
80-62-6	Methyl methacrylate	ND	28	5.6	ug/kg	
74-95-3	Methylene bromide	ND	5.6	1.7	ug/kg	
75-09-2	Methylene chloride [a]	13.3	11	5.6	ug/kg	
78-93-3	Methyl ethyl ketone	ND	28	9.4	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.6	1.7	ug/kg	
91-20-3	Naphthalene	ND	5.6	2.3	ug/kg	
76-01-7	Pentachloroethane	ND	28	5.6	ug/kg	
107-12-0	Propionitrile	ND	56	14	ug/kg	
103-65-1	n-Propylbenzene	ND	5.6	1.4	ug/kg	
100-42-5	Styrene	ND	5.6	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.6	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.6	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.6	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.6	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.6	2.3	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.6	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB34-30		
Lab Sample ID:	F61903-3	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.6	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.6	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.6	1.4	ug/kg	
108-88-3	Toluene	ND	5.6	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.6	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.6	2.3	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	28	5.6	ug/kg	
75-01-4	Vinyl chloride	ND	5.6	2.3	ug/kg	
108-05-4	Vinyl Acetate	ND	28	14	ug/kg	
	m,p-Xylene	ND	11	2.1	ug/kg	
95-47-6	o-Xylene	ND	5.6	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-121%
2037-26-5	Toluene-D8	91%		71-130%
460-00-4	4-Bromofluorobenzene	96%		59-148%
17060-07-0	1,2-Dichloroethane-D4	100%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB34-30		
Lab Sample ID:	F61903-3	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	84.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045090.D	1	12/08/08	AH	12/03/08 11:23	n/a	GQR1961
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.36 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.5	3.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	71%		56-136%
98-08-8	aaa-Trifluorotoluene	75%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB34-30		
Lab Sample ID:	F61903-3	**Date Sampled:**	12/01/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	84.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24446.D	1	12/10/08	NY	12/04/08	OP27325	GLL911
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.8	5.9	mg/kg	
	TPH (> C22-C36)	ND	9.8	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	83%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB35-25		
Lab Sample ID:	F61903-4	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054696.D	1	12/08/08	MM	12/03/08 11:23	n/a	VG2067
Run #2							

	Initial Weight
Run #1	5.89 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	49	25	ug/kg	
75-05-8	Acetonitrile	ND	49	16	ug/kg	
107-02-8	Acrolein	ND	25	9.7	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.8	ug/kg	
107-05-1	Allyl chloride	ND	25	4.9	ug/kg	
71-43-2	Benzene	8.0	4.9	0.99	ug/kg	
100-44-7	Benzyl Chloride	ND	4.9	1.1	ug/kg	
108-86-1	Bromobenzene	ND	4.9	0.99	ug/kg	
74-97-5	Bromochloromethane	ND	4.9	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	4.9	1.2	ug/kg	
75-25-2	Bromoform	ND	4.9	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	4.9	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	4.9	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	4.9	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	4.9	0.99	ug/kg	
75-00-3	Chloroethane	ND	4.9	2.0	ug/kg	
67-66-3	Chloroform	ND	4.9	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	4.9	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.9	0.99	ug/kg	
106-43-4	p-Chlorotoluene	ND	4.9	0.99	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	9.9	ug/kg	
75-15-0	Carbon disulfide	ND	4.9	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.9	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.9	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.9	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	4.9	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.9	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4.9	0.99	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.9	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.9	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4.9	0.99	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4.9	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB35-25		
Lab Sample ID:	F61903-4	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	4.9	0.99	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.9	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.9	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.9	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	4.9	ug/kg	
541-73-1	m-Dichlorobenzene	ND	4.9	0.99	ug/kg	
95-50-1	o-Dichlorobenzene	ND	4.9	0.99	ug/kg	
106-46-7	p-Dichlorobenzene	ND	4.9	0.99	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	4.9	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.9	0.99	ug/kg	
100-41-4	Ethylbenzene	ND	4.9	0.99	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	4.9	ug/kg	
76-13-1	Freon 113	ND	4.9	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	4.9	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.9	1.2	ug/kg	
110-54-3	Hexane	ND	4.9	2.4	ug/kg	
98-82-8	Isopropylbenzene	3.7	4.9	1.1	ug/kg	J
99-87-6	p-Isopropyltoluene	ND	4.9	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.3	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.4	ug/kg	
74-83-9	Methyl bromide	ND	4.9	2.2	ug/kg	
74-87-3	Methyl chloride	ND	4.9	2.4	ug/kg	
74-88-4	Methyl iodide	ND	9.9	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	4.9	ug/kg	
74-95-3	Methylene bromide	ND	4.9	1.5	ug/kg	
75-09-2	Methylene chloride [a]	9.4	9.9	4.9	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	25	8.2	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.9	1.5	ug/kg	
91-20-3	Naphthalene	ND	4.9	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	4.9	ug/kg	
107-12-0	Propionitrile	ND	49	12	ug/kg	
103-65-1	n-Propylbenzene	ND	4.9	1.2	ug/kg	
100-42-5	Styrene	ND	4.9	0.99	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.9	0.99	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.9	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.9	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.9	0.99	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.9	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.9	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB35-25		
Lab Sample ID:	F61903-4	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	4.9	0.99	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.9	0.99	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.9	1.2	ug/kg	
108-88-3	Toluene	ND	4.9	0.99	ug/kg	
79-01-6	Trichloroethylene	ND	4.9	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.9	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	4.9	ug/kg	
75-01-4	Vinyl chloride	ND	4.9	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	9.9	1.9	ug/kg	
95-47-6	o-Xylene	ND	4.9	0.99	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-121%
2037-26-5	Toluene-D8	89%		71-130%
460-00-4	4-Bromofluorobenzene	95%		59-148%
17060-07-0	1,2-Dichloroethane-D4	106%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB35-25		
Lab Sample ID:	F61903-4	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	86.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045277.D	1	12/16/08	AH	12/03/08 11:23	n/a	GQR1968
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.81 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.8	2.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	84%		56-136%
98-08-8	aaa-Trifluorotoluene	74%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB35-25		
Lab Sample ID:	F61903-4	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	86.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24449.D	1	12/10/08	NY	12/04/08	OP27325	GLL911
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.7	5.8	mg/kg	
	TPH (> C22-C36)	ND	9.7	5.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	77%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB35-32		
Lab Sample ID:	F61903-5	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	78.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054697.D	1	12/08/08	MM	12/03/08 11:23	n/a	VG2067
Run #2							

	Initial Weight
Run #1	5.32 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	60	30	ug/kg	
75-05-8	Acetonitrile	ND	60	19	ug/kg	
107-02-8	Acrolein	ND	30	12	ug/kg	
107-13-1	Acrylonitrile	ND	30	8.2	ug/kg	
107-05-1	Allyl chloride	ND	30	6.0	ug/kg	
71-43-2	Benzene	3.8	6.0	1.2	ug/kg	J
100-44-7	Benzyl Chloride	ND	6.0	1.3	ug/kg	
108-86-1	Bromobenzene	ND	6.0	1.2	ug/kg	
74-97-5	Bromochloromethane	ND	6.0	2.0	ug/kg	
75-27-4	Bromodichloromethane	ND	6.0	1.4	ug/kg	
75-25-2	Bromoform	ND	6.0	1.8	ug/kg	
104-51-8	n-Butylbenzene	ND	6.0	1.7	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.0	1.3	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.0	1.3	ug/kg	
108-90-7	Chlorobenzene	ND	6.0	1.2	ug/kg	
75-00-3	Chloroethane	ND	6.0	2.4	ug/kg	
67-66-3	Chloroform	ND	6.0	2.0	ug/kg	
544-10-5	1-Chlorohexane	ND	6.0	1.6	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.0	1.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.0	1.2	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	30	12	ug/kg	
75-15-0	Carbon disulfide	ND	6.0	1.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.0	1.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.0	2.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.0	1.6	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.0	1.7	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.0	2.9	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.0	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.0	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.0	1.7	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.0	1.2	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.0	2.5	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB35-32		
Lab Sample ID:	F61903-5	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	78.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	6.0	1.2	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.0	2.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.0	1.9	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.0	1.6	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	30	6.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.0	1.2	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.0	1.2	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.0	1.2	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.0	1.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.0	1.2	ug/kg	
100-41-4	Ethylbenzene	12.4	6.0	1.2	ug/kg	
97-63-2	Ethyl methacrylate	ND	30	6.0	ug/kg	
76-13-1	Freon 113	ND	6.0	3.1	ug/kg	
591-78-6	2-Hexanone	ND	30	6.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.0	1.4	ug/kg	
110-54-3	Hexane	ND	6.0	2.9	ug/kg	
98-82-8	Isopropylbenzene	26.7	6.0	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.0	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	30	7.6	ug/kg	
126-98-7	Methacrylonitrile	ND	30	6.6	ug/kg	
74-83-9	Methyl bromide	ND	6.0	2.6	ug/kg	
74-87-3	Methyl chloride	ND	6.0	2.9	ug/kg	
74-88-4	Methyl iodide	ND	12	2.4	ug/kg	
80-62-6	Methyl methacrylate	ND	30	6.0	ug/kg	
74-95-3	Methylene bromide	ND	6.0	1.8	ug/kg	
75-09-2	Methylene chloride [a]	15.8	12	6.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	30	9.9	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.0	1.8	ug/kg	
91-20-3	Naphthalene	ND	6.0	2.4	ug/kg	
76-01-7	Pentachloroethane	ND	30	6.0	ug/kg	
107-12-0	Propionitrile	ND	60	14	ug/kg	
103-65-1	n-Propylbenzene	2.9	6.0	1.4	ug/kg	J
100-42-5	Styrene	ND	6.0	1.2	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.0	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.0	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.0	2.1	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.0	1.2	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.0	2.4	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.0	2.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.0	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB35-32		
Lab Sample ID:	F61903-5	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	78.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	6.0	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.0	1.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.0	1.4	ug/kg	
108-88-3	Toluene	ND	6.0	1.2	ug/kg	
79-01-6	Trichloroethylene	ND	6.0	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.0	2.4	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	30	6.0	ug/kg	
75-01-4	Vinyl chloride	ND	6.0	2.4	ug/kg	
108-05-4	Vinyl Acetate	ND	30	14	ug/kg	
	m,p-Xylene	ND	12	2.3	ug/kg	
95-47-6	o-Xylene	ND	6.0	1.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-121%
2037-26-5	Toluene-D8	91%		71-130%
460-00-4	4-Bromofluorobenzene	93%		59-148%
17060-07-0	1,2-Dichloroethane-D4	103%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB35-32		
Lab Sample ID:	F61903-5	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	78.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045281.D	1	12/16/08	AH	12/03/08 11:23	n/a	GQR1968
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.32 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	64.6	7.3	3.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		56-136%
98-08-8	aaa-Trifluorotoluene	120%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB35-32		
Lab Sample ID:	F61903-5	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	78.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24450.D	1	12/10/08	NY	12/04/08	OP27325	GLL911
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.2	mg/kg	
	TPH (> C22-C36)	ND	10	6.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	78%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB35-36		
Lab Sample ID:	F61903-6	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054698.D	1	12/08/08	MM	12/03/08 11:55	n/a	VG2067
Run #2							

	Initial Weight
Run #1	5.18 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	59	29	ug/kg	
75-05-8	Acetonitrile	ND	59	19	ug/kg	
107-02-8	Acrolein	ND	29	12	ug/kg	
107-13-1	Acrylonitrile	ND	29	8.1	ug/kg	
107-05-1	Allyl chloride	ND	29	5.9	ug/kg	
71-43-2	Benzene	ND	5.9	1.2	ug/kg	
100-44-7	Benzyl Chloride	ND	5.9	1.3	ug/kg	
108-86-1	Bromobenzene	ND	5.9	1.2	ug/kg	
74-97-5	Bromochloromethane	ND	5.9	2.0	ug/kg	
75-27-4	Bromodichloromethane	ND	5.9	1.4	ug/kg	
75-25-2	Bromoform	ND	5.9	1.8	ug/kg	
104-51-8	n-Butylbenzene	ND	5.9	1.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.9	1.3	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.9	1.3	ug/kg	
108-90-7	Chlorobenzene	ND	5.9	1.2	ug/kg	
75-00-3	Chloroethane	ND	5.9	2.3	ug/kg	
67-66-3	Chloroform	ND	5.9	2.0	ug/kg	
544-10-5	1-Chlorohexane	ND	5.9	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.9	1.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.9	1.2	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	29	12	ug/kg	
75-15-0	Carbon disulfide	ND	5.9	1.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.9	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.9	2.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.9	1.5	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.9	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.9	2.8	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.9	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.9	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.9	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.9	1.2	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.9	2.5	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB35-36		
Lab Sample ID:	F61903-6	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.9	1.2	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.9	2.3	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.9	1.9	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.9	1.5	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	29	5.9	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.9	1.2	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.9	1.2	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.9	1.2	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.9	1.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.9	1.2	ug/kg	
100-41-4	Ethylbenzene	ND	5.9	1.2	ug/kg	
97-63-2	Ethyl methacrylate	ND	29	5.9	ug/kg	
76-13-1	Freon 113	ND	5.9	3.1	ug/kg	
591-78-6	2-Hexanone	ND	29	5.9	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.9	1.4	ug/kg	
110-54-3	Hexane	ND	5.9	2.8	ug/kg	
98-82-8	Isopropylbenzene	ND	5.9	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.9	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	29	7.5	ug/kg	
126-98-7	Methacrylonitrile	ND	29	6.5	ug/kg	
74-83-9	Methyl bromide	ND	5.9	2.6	ug/kg	
74-87-3	Methyl chloride	ND	5.9	2.8	ug/kg	
74-88-4	Methyl iodide	ND	12	2.3	ug/kg	
80-62-6	Methyl methacrylate	ND	29	5.9	ug/kg	
74-95-3	Methylene bromide	ND	5.9	1.8	ug/kg	
75-09-2	Methylene chloride [a]	13.0	12	5.9	ug/kg	
78-93-3	Methyl ethyl ketone	ND	29	9.7	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.9	1.8	ug/kg	
91-20-3	Naphthalene	ND	5.9	2.3	ug/kg	
76-01-7	Pentachloroethane	ND	29	5.9	ug/kg	
107-12-0	Propionitrile	ND	59	14	ug/kg	
103-65-1	n-Propylbenzene	ND	5.9	1.4	ug/kg	
100-42-5	Styrene	ND	5.9	1.2	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.9	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.9	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.9	2.1	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.9	1.2	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.9	2.3	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.9	2.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.9	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB35-36		
Lab Sample ID:	F61903-6	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.9	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.9	1.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.9	1.4	ug/kg	
108-88-3	Toluene	ND	5.9	1.2	ug/kg	
79-01-6	Trichloroethylene	ND	5.9	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.9	2.3	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	29	5.9	ug/kg	
75-01-4	Vinyl chloride	ND	5.9	2.3	ug/kg	
108-05-4	Vinyl Acetate	ND	29	14	ug/kg	
	m,p-Xylene	ND	12	2.2	ug/kg	
95-47-6	o-Xylene	ND	5.9	1.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-121%
2037-26-5	Toluene-D8	89%		71-130%
460-00-4	4-Bromofluorobenzene	95%		59-148%
17060-07-0	1,2-Dichloroethane-D4	101%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB35-36		
Lab Sample ID:	F61903-6	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	82.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086415.D	1	12/12/08	JG	12/03/08 11:55	n/a	GCD3634
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.11 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.0	3.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	86%		56-136%
98-08-8	aaa-Trifluorotoluene	81%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB35-36		
Lab Sample ID:	F61903-6	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	82.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24451.D	1	12/10/08	NY	12/04/08	OP27325	GLL911
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.0	mg/kg	
	TPH (> C22-C36)	ND	10	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	83%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61903-7	**Date Sampled:**	12/01/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/03/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054699.D	1	12/08/08	MM	n/a	n/a	VG2067
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61903-7	**Date Sampled:**	12/01/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/03/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride [a]	11.1	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61903-7	**Date Sampled:**	12/01/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/03/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-121%
2037-26-5	Toluene-D8	91%		71-130%
460-00-4	4-Bromofluorobenzene	98%		59-148%
17060-07-0	1,2-Dichloroethane-D4	103%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

F61903

BHATE
Environmental Engineers and Scientists

Chain of Custody and Analytical Request

Page 1 of 1

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number [1]: 12-02-2008-3

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Zack Beck / Greg Kinsman

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)					Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
									Sample Analysis Requested [5]									Quality Assurance Samples [6]			
1	SS61-SB34-20	SS61-SB34	01-12-2008	1455	18-20	N	01	SO	5	X	X	X									3
2*	SS61-SB34-26	SS61-SB34	01-12-2008	1510	24-26	N	01	SO	5	X	X	X									3
3	SS61-SB34-30	SS61-SB34	01-12-2008	1525	28-30	N	01	SO	5	X	X	X									3
4	SS61-SB35-25	SS61-SB35	02-12-2008	0810	23-25	N	01	SO	5	X	X	X									3
5	SS61-SB35-32	SS61-SB35	02-12-2008	0820	30-32	N	01	SO	5	X	X	X									3
6	SS61-SB35-36	SS61-SB35	02-12-2008	0830	34-36	N	01	SO	5	X	X	X									3
7	Trip Blank				-	TB		WQ	3	X											3
					-																
					-																
					-																
					-																

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

*Rush VOC and GRO analysis for sample SS61-SB34-26

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1.		12/2/2008	1400			
2.					12-3-08	09:30
3.						

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: Shipped No.:

Method of Shipment: Airbill Number:

Analytical Lab: Accutest Laboratories Delivery Location:

Lab Recipient: Delivery Date/Time:

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

2.4

4.1 4

F61903: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61903 CLIENT: Blate PROJECT: SS-61

DATE/TIME RECEIVED: 12-3-08 09:30 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.4

METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8651 5824 0393

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [X] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 24

NUMBER OF 5035 FIELD KITS ? TB

NUMBER OF LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE E.T. 12.3.08 TECHNICIAN SIGNATURE/DATE 12/3/08 ASBD 12/17/07

4.1 4

F61903: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61903
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2067-MB	G0054678.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61903-1, F61903-3, F61903-4, F61903-5, F61903-6, F61903-7

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61903
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2067-MB	G0054678.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61903-1, F61903-3, F61903-4, F61903-5, F61903-6, F61903-7

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	7.7	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	3.6	5.0	2.0	ug/kg	J

Method Blank Summary

Job Number: F61903
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2067-MB	G0054678.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61903-1, F61903-3, F61903-4, F61903-5, F61903-6, F61903-7

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	80-121%
2037-26-5	Toluene-D8	88%	71-130%
460-00-4	4-Bromofluorobenzene	94%	59-148%
17060-07-0	1,2-Dichloroethane-D4	102%	77-123%

Method Blank Summary

Job Number: F61903
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2068-MB	G0054709.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61903-2

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61903
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2068-MB	G0054709.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61903-2

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	1.2	5.0	1.2	ug/kg	J
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F61903
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2068-MB	G0054709.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61903-2

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	1.4	5.0	1.0	ug/kg	J
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	80-121%
2037-26-5	Toluene-D8	91%	71-130%
460-00-4	4-Bromofluorobenzene	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	104%	77-123%

Blank Spike Summary

Job Number: F61903
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2067-BS	G0054692.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61903-1, F61903-3, F61903-4, F61903-5, F61903-6, F61903-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	167	67	61-144
75-05-8	Acetonitrile	500	508	102	59-139
107-02-8	Acrolein	250	49.0	20*	27-156
107-13-1	Acrylonitrile	250	291	116	55-144
107-05-1	Allyl chloride	50	59.7	119	41-152
71-43-2	Benzene	50	56.2	112	78-130
100-44-7	Benzyl Chloride	50	51.7	103	74-130
108-86-1	Bromobenzene	50	53.6	107	78-123
74-97-5	Bromochloromethane	50	44.7	89	72-122
75-27-4	Bromodichloromethane	50	49.7	99	73-122
75-25-2	Bromoform	50	47.1	94	70-139
104-51-8	n-Butylbenzene	50	62.6	125	80-138
135-98-8	sec-Butylbenzene	50	60.2	120	82-132
98-06-6	tert-Butylbenzene	50	58.7	117	79-130
108-90-7	Chlorobenzene	50	53.4	107	83-122
75-00-3	Chloroethane	50	48.7	97	61-153
67-66-3	Chloroform	50	55.2	110	79-129
544-10-5	1-Chlorohexane	50	50.8	102	85-137
95-49-8	o-Chlorotoluene	50	56.3	113	77-123
106-43-4	p-Chlorotoluene	50	56.7	113	78-129
110-75-8	2-Chloroethyl vinyl ether	250	324	130	52-142
75-15-0	Carbon disulfide	50	44.8	90	61-142
56-23-5	Carbon tetrachloride	50	58.3	117	79-135
75-34-3	1,1-Dichloroethane	50	55.6	111	77-132
75-35-4	1,1-Dichloroethylene	50	54.0	108	66-132
563-58-6	1,1-Dichloropropene	50	55.3	111	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	60.8	122	67-129
106-93-4	1,2-Dibromoethane	50	47.3	95	77-126
107-06-2	1,2-Dichloroethane	50	49.4	99	78-129
78-87-5	1,2-Dichloropropane	50	51.9	104	74-127
142-28-9	1,3-Dichloropropane	50	48.8	98	78-118
594-20-7	2,2-Dichloropropane	50	69.8	140*	80-137
124-48-1	Dibromochloromethane	50	44.7	89	78-117
75-71-8	Dichlorodifluoromethane	50	36.0	72	35-162
156-59-2	cis-1,2-Dichloroethylene	50	50.9	102	74-123
10061-01-5	cis-1,3-Dichloropropene	50	53.0	106	79-130

Blank Spike Summary

Job Number: F61903
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2067-BS	G0054692.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61903-1, F61903-3, F61903-4, F61903-5, F61903-6, F61903-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	53.3	107	71-126
541-73-1	m-Dichlorobenzene	50	55.2	110	82-126
95-50-1	o-Dichlorobenzene	50	56.6	113	83-123
106-46-7	p-Dichlorobenzene	50	56.5	113	84-124
156-60-5	trans-1,2-Dichloroethylene	50	53.6	107	77-129
10061-02-6	trans-1,3-Dichloropropene	50	55.8	112	87-131
100-41-4	Ethylbenzene	50	54.9	110	82-124
97-63-2	Ethyl methacrylate	50	51.5	103	78-118
76-13-1	Freon 113	50	79.3	159*	62-147
591-78-6	2-Hexanone	250	228	91	67-130
87-68-3	Hexachlorobutadiene	50	78.0	156*	77-150
110-54-3	Hexane	50	63.6	127	65-147
98-82-8	Isopropylbenzene	50	57.8	116	82-133
99-87-6	p-Isopropyltoluene	50	60.9	122	82-132
108-10-1	4-Methyl-2-pentanone	250	258	103	69-125
126-98-7	Methacrylonitrile	500	472	94	70-138
74-83-9	Methyl bromide	50	48.7	97	60-146
74-87-3	Methyl chloride	50	49.0	98	58-163
74-88-4	Methyl iodide	50	42.2	84	66-128
80-62-6	Methyl methacrylate	50	50.0	100	73-125
74-95-3	Methylene bromide	50	49.2	98	75-128
75-09-2	Methylene chloride	50	58.8	118	62-140
78-93-3	Methyl ethyl ketone	250	177	71	66-134
1634-04-4	Methyl Tert Butyl Ether	50	50.9	102	70-131
91-20-3	Naphthalene	50	97.2	194*	59-143
76-01-7	Pentachloroethane	50	57.0	114	64-156
107-12-0	Propionitrile	500	467	93	73-133
103-65-1	n-Propylbenzene	50	58.0	116	78-129
100-42-5	Styrene	50	54.6	109	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	51.3	103	81-121
71-55-6	1,1,1-Trichloroethane	50	58.4	117	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	54.2	108	70-128
79-00-5	1,1,2-Trichloroethane	50	50.0	100	76-118
87-61-6	1,2,3-Trichlorobenzene	50	67.2	134	78-136
96-18-4	1,2,3-Trichloropropane	50	47.5	95	74-125
120-82-1	1,2,4-Trichlorobenzene	50	114	228*	82-137

Blank Spike Summary

Job Number: F61903
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2067-BS	G0054692.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61903-1, F61903-3, F61903-4, F61903-5, F61903-6, F61903-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	57.8	116	77-129
108-67-8	1,3,5-Trimethylbenzene	50	57.2	114	79-129
127-18-4	Tetrachloroethylene	50	55.1	110	79-132
108-88-3	Toluene	50	53.1	106	80-123
79-01-6	Trichloroethylene	50	54.9	110	78-132
75-69-4	Trichlorofluoromethane	50	54.8	110	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	108	216*	74-138
75-01-4	Vinyl chloride	50	47.5	95	60-145
108-05-4	Vinyl Acetate	250	405	162	25-164
	m,p-Xylene	100	113	113	82-128
95-47-6	o-Xylene	50	55.2	110	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	80-121%
2037-26-5	Toluene-D8	98%	71-130%
460-00-4	4-Bromofluorobenzene	95%	59-148%
17060-07-0	1,2-Dichloroethane-D4	95%	77-123%

Blank Spike Summary

Job Number: F61903
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2068-BS	G0054708.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61903-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	96.2	38*	61-144
75-05-8	Acetonitrile	500	391	78	59-139
107-02-8	Acrolein	250	67.9	27	27-156
107-13-1	Acrylonitrile	250	264	106	55-144
107-05-1	Allyl chloride	50	45.3	91	41-152
71-43-2	Benzene	50	47.4	95	78-130
100-44-7	Benzyl Chloride	50	42.2	84	74-130
108-86-1	Bromobenzene	50	49.2	98	78-123
74-97-5	Bromochloromethane	50	40.3	81	72-122
75-27-4	Bromodichloromethane	50	43.6	87	73-122
75-25-2	Bromoform	50	40.4	81	70-139
104-51-8	n-Butylbenzene	50	54.4	109	80-138
135-98-8	sec-Butylbenzene	50	52.5	105	82-132
98-06-6	tert-Butylbenzene	50	50.7	101	79-130
108-90-7	Chlorobenzene	50	47.4	95	83-122
75-00-3	Chloroethane	50	40.0	80	61-153
67-66-3	Chloroform	50	47.7	95	79-129
544-10-5	1-Chlorohexane	50	42.5	85	85-137
95-49-8	o-Chlorotoluene	50	50.5	101	77-123
106-43-4	p-Chlorotoluene	50	50.9	102	78-129
110-75-8	2-Chloroethyl vinyl ether	250	259	104	52-142
75-15-0	Carbon disulfide	50	36.6	73	61-142
56-23-5	Carbon tetrachloride	50	45.7	91	79-135
75-34-3	1,1-Dichloroethane	50	46.7	93	77-132
75-35-4	1,1-Dichloroethylene	50	41.8	84	66-132
563-58-6	1,1-Dichloropropene	50	45.0	90	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	39.0	78	67-129
106-93-4	1,2-Dibromoethane	50	41.5	83	77-126
107-06-2	1,2-Dichloroethane	50	41.4	83	78-129
78-87-5	1,2-Dichloropropane	50	46.1	92	74-127
142-28-9	1,3-Dichloropropane	50	43.4	87	78-118
594-20-7	2,2-Dichloropropane	50	52.5	105	80-137
124-48-1	Dibromochloromethane	50	39.1	78	78-117
75-71-8	Dichlorodifluoromethane	50	29.0	58	35-162
156-59-2	cis-1,2-Dichloroethylene	50	45.3	91	74-123
10061-01-5	cis-1,3-Dichloropropene	50	46.6	93	79-130

Blank Spike Summary

Job Number: F61903
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2068-BS	G0054708.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61903-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	41.8	84	71-126
541-73-1	m-Dichlorobenzene	50	48.6	97	82-126
95-50-1	o-Dichlorobenzene	50	48.8	98	83-123
106-46-7	p-Dichlorobenzene	50	50.6	101	84-124
156-60-5	trans-1,2-Dichloroethylene	50	44.1	88	77-129
10061-02-6	trans-1,3-Dichloropropene	50	49.4	99	87-131
100-41-4	Ethylbenzene	50	47.9	96	82-124
97-63-2	Ethyl methacrylate	50	39.6	79	78-118
76-13-1	Freon 113	50	32.7	65	62-147
591-78-6	2-Hexanone	250	186	74	67-130
87-68-3	Hexachlorobutadiene	50	47.1	94	77-150
110-54-3	Hexane	50	50.0	100	65-147
98-82-8	Isopropylbenzene	50	50.5	101	82-133
99-87-6	p-Isopropyltoluene	50	53.4	107	82-132
108-10-1	4-Methyl-2-pentanone	250	211	84	69-125
126-98-7	Methacrylonitrile	500	355	71	70-138
74-83-9	Methyl bromide	50	40.2	80	60-146
74-87-3	Methyl chloride	50	39.9	80	58-163
74-88-4	Methyl iodide	50	36.8	74	66-128
80-62-6	Methyl methacrylate	50	37.6	75	73-125
74-95-3	Methylene bromide	50	42.4	85	75-128
75-09-2	Methylene chloride	50	46.4	93	62-140
78-93-3	Methyl ethyl ketone	250	142	57*	66-134
1634-04-4	Methyl Tert Butyl Ether	50	41.3	83	70-131
91-20-3	Naphthalene	50	36.1	72	59-143
76-01-7	Pentachloroethane	50	47.0	94	64-156
107-12-0	Propionitrile	500	335	67*	73-133
103-65-1	n-Propylbenzene	50	51.7	103	78-129
100-42-5	Styrene	50	48.7	97	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	45.6	91	81-121
71-55-6	1,1,1-Trichloroethane	50	45.6	91	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	45.2	90	70-128
79-00-5	1,1,2-Trichloroethane	50	42.3	85	76-118
87-61-6	1,2,3-Trichlorobenzene	50	40.2	80	78-136
96-18-4	1,2,3-Trichloropropane	50	39.9	80	74-125
120-82-1	1,2,4-Trichlorobenzene	50	33.9	68*	82-137

Blank Spike Summary

Job Number: F61903
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2068-BS	G0054708.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61903-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	51.8	104	77-129
108-67-8	1,3,5-Trimethylbenzene	50	50.5	101	79-129
127-18-4	Tetrachloroethylene	50	47.9	96	79-132
108-88-3	Toluene	50	46.9	94	80-123
79-01-6	Trichloroethylene	50	45.0	90	78-132
75-69-4	Trichlorofluoromethane	50	40.0	80	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	93.9	188*	74-138
75-01-4	Vinyl chloride	50	37.2	74	60-145
108-05-4	Vinyl Acetate	250	337	135	25-164
	m,p-Xylene	100	98.5	99	82-128
95-47-6	o-Xylene	50	48.4	97	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	80-121%
2037-26-5	Toluene-D8	103%	71-130%
460-00-4	4-Bromofluorobenzene	98%	59-148%
17060-07-0	1,2-Dichloroethane-D4	92%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61903
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61902-1MS	G0054687.D	1	12/08/08	MM	n/a	n/a	VG2067
F61902-1MSD	G0054688.D	1	12/08/08	MM	n/a	n/a	VG2067
F61902-1	G0054686.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61903-1, F61903-3, F61903-4, F61903-5, F61903-6, F61903-7

CAS No.	Compound	F61902-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		301	97.2	32*	106	34*	9	61-144/29
75-05-8	Acetonitrile	ND		602	517	86	559	88	8	59-139/30
107-02-8	Acrolein	ND		301	ND	0*	ND	0*	nc	27-156/39
107-13-1	Acrylonitrile	ND		301	255	85	267	84	5	55-144/24
107-05-1	Allyl chloride	ND		60.2	52.2	87	55.8	88	7	41-152/24
71-43-2	Benzene	ND		60.2	58.3	97	61.4	97	5	78-130/25
100-44-7	Benzyl Chloride	ND		60.2	35.0	58*	36.8	58*	5	74-130/28
108-86-1	Bromobenzene	ND		60.2	57.9	96	61.1	97	5	78-123/30
74-97-5	Bromochloromethane	ND		60.2	48.1	80	50.4	80	5	72-122/23
75-27-4	Bromodichloromethane	ND		60.2	51.8	86	53.9	85	4	73-122/25
75-25-2	Bromoform	ND		60.2	45.0	75	47.0	74	4	70-139/26
104-51-8	n-Butylbenzene	ND		60.2	58.4	97	61.9	98	6	80-138/31
135-98-8	sec-Butylbenzene	ND		60.2	59.3	99	62.8	99	6	82-132/29
98-06-6	tert-Butylbenzene	ND		60.2	59.0	98	60.7	96	3	79-130/29
108-90-7	Chlorobenzene	ND		60.2	54.9	91	56.7	90	3	83-122/23
75-00-3	Chloroethane	ND		60.2	50.5	84	53.7	85	6	61-153/31
67-66-3	Chloroform	ND		60.2	58.0	96	62.0	98	7	79-129/27
544-10-5	1-Chlorohexane	ND		60.2	45.3	75*	45.5	72*	0	85-137/29
95-49-8	o-Chlorotoluene	ND		60.2	58.7	98	62.9	99	7	77-123/31
106-43-4	p-Chlorotoluene	ND		60.2	57.2	95	61.8	98	8	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		301	325	108	336	106	3	52-142/25
75-15-0	Carbon disulfide	ND		60.2	43.2	72	45.4	72	5	61-142/27
56-23-5	Carbon tetrachloride	ND		60.2	45.2	75*	58.2	92	25	79-135/29
75-34-3	1,1-Dichloroethane	ND		60.2	57.6	96	60.6	96	5	77-132/26
75-35-4	1,1-Dichloroethylene	ND		60.2	46.5	77	48.4	77	4	66-132/27
563-58-6	1,1-Dichloropropene	ND		60.2	54.2	90	56.4	89	4	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		60.2	74.6	124	77.9	123	4	67-129/29
106-93-4	1,2-Dibromoethane	ND		60.2	46.6	77	48.1	76*	3	77-126/24
107-06-2	1,2-Dichloroethane	ND		60.2	51.5	86	53.4	84	4	78-129/24
78-87-5	1,2-Dichloropropane	ND		60.2	55.4	92	57.8	91	4	74-127/27
142-28-9	1,3-Dichloropropane	ND		60.2	47.3	79	48.8	77*	3	78-118/26
594-20-7	2,2-Dichloropropane	ND		60.2	58.9	98	59.7	94	1	80-137/28
124-48-1	Dibromochloromethane	ND		60.2	44.1	73*	44.3	70*	0	78-117/27
75-71-8	Dichlorodifluoromethane	ND		60.2	29.8	50	35.7	56	18	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		60.2	52.3	87	55.1	87	5	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		60.2	51.8	86	53.3	84	3	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61903
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61902-1MS	G0054687.D	1	12/08/08	MM	n/a	n/a	VG2067
F61902-1MSD	G0054688.D	1	12/08/08	MM	n/a	n/a	VG2067
F61902-1	G0054686.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61903-1, F61903-3, F61903-4, F61903-5, F61903-6, F61903-7

CAS No.	Compound	F61902-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		60.2	48.2	80	51.6	82	7	71-126/28
541-73-1	m-Dichlorobenzene	ND		60.2	58.2	97	61.5	97	6	82-126/29
95-50-1	o-Dichlorobenzene	ND		60.2	56.9	95	62.2	98	9	83-123/28
106-46-7	p-Dichlorobenzene	ND		60.2	58.4	97	63.0	100	8	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		60.2	54.6	91	58.9	93	8	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		60.2	53.9	90	54.9	87	2	87-131/27
100-41-4	Ethylbenzene	ND		60.2	55.0	91	57.1	90	4	82-124/25
97-63-2	Ethyl methacrylate	ND		60.2	15.4	26*	15.7	25*	2	78-118/30
76-13-1	Freon 113	ND		60.2	85.9	143	73.1	116	16	62-147/29
591-78-6	2-Hexanone	ND		301	192	64*	193	61*	1	67-130/29
87-68-3	Hexachlorobutadiene	ND		60.2	98.4	164*	107	169*	8	77-150/36
110-54-3	Hexane	ND		60.2	52.1	87	52.5	83	1	65-147/27
98-82-8	Isopropylbenzene	ND		60.2	57.7	96	59.2	94	3	82-133/27
99-87-6	p-Isopropyltoluene	ND		60.2	59.4	99	64.4	102	8	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		301	231	77	227	72	2	69-125/24
126-98-7	Methacrylonitrile	ND		602	451	75	473	75	5	70-138/22
74-83-9	Methyl bromide	ND		60.2	46.9	78	52.7	83	12	60-146/31
74-87-3	Methyl chloride	ND		60.2	49.1	82	52.1	82	6	58-163/26
74-88-4	Methyl iodide	ND		60.2	40.6	67	43.4	69	7	66-128/27
80-62-6	Methyl methacrylate	ND		60.2	54.6	91	54.9	87	1	73-125/24
74-95-3	Methylene bromide	ND		60.2	50.7	84	52.8	84	4	75-128/26
75-09-2	Methylene chloride	8.5	J	60.2	70.7	103	72.2	101	2	62-140/25
78-93-3	Methyl ethyl ketone	ND		301	127	42*	135	43*	6	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		60.2	50.6	84	53.9	85	6	70-131/25
91-20-3	Naphthalene	ND		60.2	640	1064*	671	1061*	5	59-143/31
76-01-7	Pentachloroethane	ND		60.2	55.8	93	56.6	90	1	64-156/37
107-12-0	Propionitrile	ND		602	449	75	462	73	3	73-133/23
103-65-1	n-Propylbenzene	ND		60.2	59.3	99	62.1	98	5	78-129/29
100-42-5	Styrene	ND		60.2	53.9	90	56.1	89	4	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		60.2	52.3	87	53.3	84	2	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		60.2	56.3	94	57.9	92	3	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		60.2	55.9	93	59.8	95	7	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		60.2	51.1	85	52.3	83	2	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		60.2	822	1366*	755	1194*	8	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		60.2	48.9	81	51.2	81	5	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		60.2	357	593*	368	582*	3	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61903
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61902-1MS	G0054687.D	1	12/08/08	MM	n/a	n/a	VG2067
F61902-1MSD	G0054688.D	1	12/08/08	MM	n/a	n/a	VG2067
F61902-1	G0054686.D	1	12/08/08	MM	n/a	n/a	VG2067

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61903-1, F61903-3, F61903-4, F61903-5, F61903-6, F61903-7

CAS No.	Compound	F61902-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		60.2	60.9	101	65.5	104	7	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		60.2	59.5	99	61.5	97	3	79-129/31
127-18-4	Tetrachloroethylene	ND		60.2	56.4	94	60.4	96	7	79-132/27
108-88-3	Toluene	ND		60.2	53.3	89	53.6	85	1	80-123/26
79-01-6	Trichloroethylene	ND		60.2	55.7	93	58.6	93	5	78-132/28
75-69-4	Trichlorofluoromethane	ND		60.2	52.3	87	57.7	91	10	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		60.2	98.2	163*	104	164*	6	74-138/30
75-01-4	Vinyl chloride	ND		60.2	45.6	76	47.8	76	5	60-145/29
108-05-4	Vinyl Acetate	ND		301	40.8	14*	40.2	13*	1	25-164/35
	m,p-Xylene	ND		120	117	97	119	94	2	82-128/25
95-47-6	o-Xylene	ND		60.2	55.5	92	58.3	92	5	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61902-1	Limits
1868-53-7	Dibromofluoromethane	100%	101%	103%	80-121%
2037-26-5	Toluene-D8	97%	93%	88%	71-130%
460-00-4	4-Bromofluorobenzene	94%	93%	93%	59-148%
17060-07-0	1,2-Dichloroethane-D4	93%	94%	102%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61903
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61934-1MS	G0054717.D	1	12/09/08	MM	n/a	n/a	VG2068
F61934-1MSD	G0054718.D	1	12/09/08	MM	n/a	n/a	VG2068
F61934-1	G0054716.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61903-2

CAS No.	Compound	F61934-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		278	111	40*	117	42*	5	61-144/29
75-05-8	Acetonitrile	ND		557	438	79	444	79	1	59-139/30
107-02-8	Acrolein	ND		278	ND	0*	14.2	5*	200*	27-156/39
107-13-1	Acrylonitrile	ND		278	248	89	265	94	7	55-144/24
107-05-1	Allyl chloride	ND		55.7	53.6	96	53.5	95	0	41-152/24
71-43-2	Benzene	ND		55.7	54.6	98	53.5	95	2	78-130/25
100-44-7	Benzyl Chloride	ND		55.7	39.6	71*	38.9	69*	2	74-130/28
108-86-1	Bromobenzene	ND		55.7	57.3	103	58.0	103	1	78-123/30
74-97-5	Bromochloromethane	ND		55.7	47.8	86	47.2	84	1	72-122/23
75-27-4	Bromodichloromethane	ND		55.7	53.3	96	53.5	95	0	73-122/25
75-25-2	Bromoform	ND		55.7	52.7	95	48.0	85	9	70-139/26
104-51-8	n-Butylbenzene	ND		55.7	57.3	103	60.7	108	6	80-138/31
135-98-8	sec-Butylbenzene	ND		55.7	59.3	107	59.9	107	1	82-132/29
98-06-6	tert-Butylbenzene	ND		55.7	58.9	106	58.6	104	1	79-130/29
108-90-7	Chlorobenzene	ND		55.7	55.1	99	54.6	97	1	83-122/23
75-00-3	Chloroethane	ND		55.7	31.2	56*	32.0	57*	3	61-153/31
67-66-3	Chloroform	ND		55.7	55.0	99	55.3	98	1	79-129/27
544-10-5	1-Chlorohexane	ND		55.7	47.0	84*	46.0	82*	2	85-137/29
95-49-8	o-Chlorotoluene	ND		55.7	58.7	105	60.1	107	2	77-123/31
106-43-4	p-Chlorotoluene	ND		55.7	58.8	106	59.2	105	1	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		278	346	124	335	119	3	52-142/25
75-15-0	Carbon disulfide	ND		55.7	29.4	53*	29.8	53*	1	61-142/27
56-23-5	Carbon tetrachloride	ND		55.7	51.6	93	51.7	92	0	79-135/29
75-34-3	1,1-Dichloroethane	ND		55.7	53.2	96	53.6	95	1	77-132/26
75-35-4	1,1-Dichloroethylene	ND		55.7	34.3	62*	35.1	62*	2	66-132/27
563-58-6	1,1-Dichloropropene	ND		55.7	49.9	90	50.6	90	1	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		55.7	22.9	41*	36.7	65*	46*	67-129/29
106-93-4	1,2-Dibromoethane	ND		55.7	54.4	98	50.5	90	7	77-126/24
107-06-2	1,2-Dichloroethane	ND		55.7	51.0	92	49.9	89	2	78-129/24
78-87-5	1,2-Dichloropropane	ND		55.7	56.0	101	54.2	96	3	74-127/27
142-28-9	1,3-Dichloropropane	ND		55.7	54.4	98	50.9	91	7	78-118/26
594-20-7	2,2-Dichloropropane	ND		55.7	52.1	94	53.4	95	2	80-137/28
124-48-1	Dibromochloromethane	ND		55.7	50.6	91	47.6	85	6	78-117/27
75-71-8	Dichlorodifluoromethane	ND		55.7	22.5	40	21.8	39	3	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		55.7	50.2	90	51.7	92	3	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		55.7	54.9	99	54.9	98	0	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61903
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61934-1MS	G0054717.D	1	12/09/08	MM	n/a	n/a	VG2068
F61934-1MSD	G0054718.D	1	12/09/08	MM	n/a	n/a	VG2068
F61934-1	G0054716.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61903-2

CAS No.	Compound	F61934-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		55.7	52.8	95	53.1	95	1	71-126/28
541-73-1	m-Dichlorobenzene	ND		55.7	56.0	101	57.5	102	3	82-126/29
95-50-1	o-Dichlorobenzene	ND		55.7	55.7	100	56.5	101	1	83-123/28
106-46-7	p-Dichlorobenzene	ND		55.7	56.9	102	57.8	103	2	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		55.7	49.9	90	49.8	89	0	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		55.7	59.8	107	57.8	103	3	87-131/27
100-41-4	Ethylbenzene	ND		55.7	55.4	100	53.4	95	4	82-124/25
97-63-2	Ethyl methacrylate	ND		55.7	24.9	45*	22.5	40*	10	78-118/30
76-13-1	Freon 113	ND		55.7	29.9	54*	54.8	98	59*	62-147/29
591-78-6	2-Hexanone	ND		278	233	84	205	73	13	67-130/29
87-68-3	Hexachlorobutadiene	ND		55.7	11.2	20*	27.2	48*	83*	77-150/36
110-54-3	Hexane	ND		55.7	47.5	85	47.0	84	1	65-147/27
98-82-8	Isopropylbenzene	ND		55.7	58.5	105	56.7	101	3	82-133/27
99-87-6	p-Isopropyltoluene	ND		55.7	58.7	105	60.2	107	3	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		278	288	103	264	94	9	69-125/24
126-98-7	Methacrylonitrile	ND		557	469	84	466	83	1	70-138/22
74-83-9	Methyl bromide	ND		55.7	31.9	57*	32.6	58*	2	60-146/31
74-87-3	Methyl chloride	ND		55.7	32.3	58	32.0	57*	1	58-163/26
74-88-4	Methyl iodide	ND		55.7	28.5	51*	29.5	53*	3	66-128/27
80-62-6	Methyl methacrylate	ND		55.7	63.0	113	55.9	100	12	73-125/24
74-95-3	Methylene bromide	ND		55.7	51.5	93	50.0	89	3	75-128/26
75-09-2	Methylene chloride	ND		55.7	53.4	96	50.5	90	6	62-140/25
78-93-3	Methyl ethyl ketone	ND		278	134	48*	133	47*	1	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		55.7	51.9	93	50.3	90	3	70-131/25
91-20-3	Naphthalene	ND		55.7	16.6	30*	18.7	33*	12	59-143/31
76-01-7	Pentachloroethane	ND		55.7	51.2	92	51.4	92	0	64-156/37
107-12-0	Propionitrile	ND		557	465	84	431	77	8	73-133/23
103-65-1	n-Propylbenzene	ND		55.7	58.4	105	58.5	104	0	78-129/29
100-42-5	Styrene	ND		55.7	58.7	105	56.7	101	3	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		55.7	56.5	101	52.7	94	7	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		55.7	53.5	96	52.8	94	1	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		55.7	59.2	106	57.6	103	3	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		55.7	55.2	99	52.4	93	5	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		55.7	23.6	42*	28.1	50*	17	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		55.7	50.5	91	49.5	88	2	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		55.7	3.7	7*	8.0	14*	74*	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61903
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61934-1MS	G0054717.D	1	12/09/08	MM	n/a	n/a	VG2068
F61934-1MSD	G0054718.D	1	12/09/08	MM	n/a	n/a	VG2068
F61934-1	G0054716.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61903-2

CAS No.	Compound	F61934-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		55.7	59.9	108	60.5	108	1	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		55.7	59.2	106	59.7	106	1	79-129/31
127-18-4	Tetrachloroethylene	ND		55.7	59.5	107	56.8	101	5	79-132/27
108-88-3	Toluene	ND		55.7	55.0	99	54.3	97	1	80-123/26
79-01-6	Trichloroethylene	ND		55.7	51.5	93	49.3	88	4	78-132/28
75-69-4	Trichlorofluoromethane	ND		55.7	31.7	57*	32.6	58*	3	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		55.7	117	210*	108	192*	8	74-138/30
75-01-4	Vinyl chloride	ND		55.7	29.2	52*	30.0	53*	3	60-145/29
108-05-4	Vinyl Acetate	ND		278	58.8	21*	59.9	21*	2	25-164/35
	m,p-Xylene	ND		111	114	102	112	100	2	82-128/25
95-47-6	o-Xylene	ND		55.7	57.6	103	56.1	100	3	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61934-1	Limits
1868-53-7	Dibromofluoromethane	98%	97%	102%	80-121%
2037-26-5	Toluene-D8	104%	104%	90%	71-130%
460-00-4	4-Bromofluorobenzene	100%	97%	93%	59-148%
17060-07-0	1,2-Dichloroethane-D4	94%	91%	104%	77-123%

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61903
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1961-MB	QR045077.D	1	12/08/08	AH	n/a	n/a	GQR1961

The QC reported here applies to the following samples: **Method:** SW846 8015

F61903-1, F61903-3

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	86%	56-136%
98-08-8	aaa-Trifluorotoluene	78%	61-121%

Method Blank Summary

Job Number: F61903
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3633-MB	CD086380.D	1	12/11/08	JG	n/a	n/a	GCD3633

The QC reported here applies to the following samples: **Method:** SW846 8015

F61903-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	82%	56-136%
98-08-8	aaa-Trifluorotoluene	83%	61-121%

Method Blank Summary

Job Number: F61903
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3634-MB	CD086408.D	1	12/12/08	JG	n/a	n/a	GCD3634

The QC reported here applies to the following samples: **Method:** SW846 8015

F61903-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	86%	56-136%
98-08-8	aaa-Trifluorotoluene	80%	61-121%

Method Blank Summary

Job Number: F61903
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1968-MB	QR045268.D	1	12/16/08	AH	n/a	n/a	GQR1968

The QC reported here applies to the following samples: **Method:** SW846 8015

F61903-4, F61903-5

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	65%	56-136%
98-08-8	aaa-Trifluorotoluene	73%	61-121%

Blank Spike Summary

Job Number: F61903
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1961-BS	QR045076.D	1	12/08/08	AH	n/a	n/a	GQR1961

The QC reported here applies to the following samples: **Method:** SW846 8015

F61903-1, F61903-3

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	16.8	84	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	103%	56-136%
98-08-8	aaa-Trifluorotoluene	93%	61-121%

Blank Spike Summary

Job Number: F61903
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3633-BS	CD086379.D	1	12/11/08	JG	n/a	n/a	GCD3633

The QC reported here applies to the following samples: **Method:** SW846 8015

F61903-2

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	19.3	97	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	110%	56-136%
98-08-8	aaa-Trifluorotoluene	86%	61-121%

Blank Spike Summary

Job Number: F61903
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3634-BS	CD086407.D	1	12/12/08	JG	n/a	n/a	GCD3634

The QC reported here applies to the following samples: **Method:** SW846 8015

F61903-6

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	19.0	95	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	103%	56-136%
98-08-8	aaa-Trifluorotoluene	91%	61-121%

Blank Spike Summary

Job Number: F61903
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1968-BS	QR045267.D	1	12/16/08	AH	n/a	n/a	GQR1968

The QC reported here applies to the following samples: **Method:** SW846 8015

F61903-4, F61903-5

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	19.5	98	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	90%	56-136%
98-08-8	aaa-Trifluorotoluene	89%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61903
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61902-1MS	QR045095.D	1	12/08/08	AH	n/a	n/a	GQR1961
F61902-1MSD	QR045096.D	1	12/08/08	AH	n/a	n/a	GQR1961
F61902-1	QR045079.D	1	12/08/08	AH	n/a	n/a	GQR1961

The QC reported here applies to the following samples: **Method:** SW846 8015

F61903-1, F61903-3

CAS No.	Compound	F61902-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	4.43	J	27.4	25.7	78	26.7	81	4	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61902-1	Limits
460-00-4	4-Bromofluorobenzene	103%	102%	83%	56-136%
98-08-8	aaa-Trifluorotoluene	91%	89%	71%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61903
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62063-1MS	CD086424.D	1	12/12/08	JG	n/a	n/a	GCD3634
F62063-1MSD	CD086425.D	1	12/12/08	JG	n/a	n/a	GCD3634
F62063-1 [a]	CD086419.D	1	12/12/08	JG	n/a	n/a	GCD3634

The QC reported here applies to the following samples: **Method:** SW846 8015

F61903-6

CAS No.	Compound	F62063-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		21.5	20.7	96	20.4	95	1	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F62063-1	Limits
460-00-4	4-Bromofluorobenzene	117%	112%	85%	56-136%
98-08-8	aaa-Trifluorotoluene	100%	96%	86%	61-121%

(a) En Core samples were not preserved within 48 hours.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61903
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61976-2MS	QR045285.D	1	12/16/08	AH	n/a	n/a	GQR1968
F61976-2MSD	QR045286.D	1	12/16/08	AH	n/a	n/a	GQR1968
F61976-2	QR045276.D	1	12/16/08	AH	n/a	n/a	GQR1968

The QC reported here applies to the following samples: **Method:** SW846 8015

F61903-4, F61903-5

CAS No.	Compound	F61976-2 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	146		114	245	87	231	75	6	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61976-2	Limits
460-00-4	4-Bromofluorobenzene	115%	117%	110%	56-136%
98-08-8	aaa-Trifluorotoluene	112%	114%	98%	61-121%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61903
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27325-MB	LL24438.D	1	12/10/08	NY	12/04/08	OP27325	GLL911

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61903-1, F61903-3, F61903-4, F61903-5, F61903-6, F61903-2A

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	84%	49-108%

Method Blank Summary

Job Number: F61903
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27325-MB	LL24461.D	1	12/11/08	NY	12/04/08	OP27325	GLL912

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61903-1, F61903-3, F61903-4, F61903-5, F61903-6, F61903-2A

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	81%	49-108%

Blank Spike Summary

Job Number: F61903
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27325-BS	LL24437.D	1	12/10/08	NY	12/04/08	OP27325	GLL911

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61903-1, F61903-3, F61903-4, F61903-5, F61903-6, F61903-2A

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	32.0	96	64-102
	TPH (> C22-C36)	33.3	33.2	100	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	97%	49-108%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61903
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27325-MS	LL24440.D	1	12/10/08	NY	12/04/08	OP27325	GLL911
OP27325-MSD	LL24441.D	1	12/10/08	NY	12/04/08	OP27325	GLL911
F61902-1	LL24439.D	1	12/10/08	NY	12/04/08	OP27325	GLL911

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61903-1, F61903-3, F61903-4, F61903-5, F61903-6, F61903-2A

CAS No.	Compound	F61902-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		40.9	33.1	81	32.5	79	2	64-102/32
	TPH (> C22-C36)	ND		40.9	36.2	89	38.1	92	5	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F61902-1	Limits
84-15-1	o-Terphenyl	86%	86%	79%	49-108%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/17/08

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F61904

Sampling Date: 12/02/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **66**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Sections: 1 2 3 4 5 6 7

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F61904-1: SS61-SB36-25 7
3.2: F61904-2: SS61-SB36-30 12
3.3: F61904-2A: SS61-SB36-30 16
3.4: F61904-3: SS61-SB36-30-a 17
3.5: F61904-4: SS61-SB36-40 22
3.6: F61904-5: TRIP BLANK 27
Section 4: Misc. Forms **30**
4.1: Chain of Custody 31
Section 5: GC/MS Volatiles - QC Data Summaries **33**
5.1: Method Blank Summary 34
5.2: Blank Spike Summary 40
5.3: Matrix Spike/Matrix Spike Duplicate Summary 46
Section 6: GC Volatiles - QC Data Summaries **52**
6.1: Method Blank Summary 53
6.2: Blank Spike Summary 56
6.3: Matrix Spike/Matrix Spike Duplicate Summary 59
Section 7: GC Semi-volatiles - QC Data Summaries **62**
7.1: Method Blank Summary 63
7.2: Blank Spike Summary 65
7.3: Matrix Spike/Matrix Spike Duplicate Summary 66

Sample Summary

North Wind, Inc

Job No: F61904

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F61904-1	12/02/08	09:30	ZB	12/03/08	SO	Soil	SS61-SB36-25
F61904-2	12/02/08	09:45	ZB	12/03/08	SO	Soil	SS61-SB36-30
F61904-2A	12/02/08	09:45	ZB	12/03/08	SO	Soil	SS61-SB36-30
F61904-3	12/02/08	09:45	ZB	12/03/08	SO	Soil	SS61-SB36-30-a
F61904-4	12/02/08	10:00	ZB	12/03/08	SO	Soil	SS61-SB36-40
F61904-5	12/02/08	00:00	ZB	12/03/08	SO	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F61904

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/17/2008 1:21:39

4 Samples, 1 Trip Blank were collected on 12/02/2008 and received at Accutest on 12/03/2008 properly preserved, at 2.6 Deg. C and intact. These Samples received an Accutest job number of F61904. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2068

All samples were analyzed within the recommended method holding time.

Sample(s) F61934-1MS, F61934-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for 1,2,4-Trichlorobenzene, Acetone, Methyl ethyl ketone, Propionitrile, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for 1,1-Dichloroethylene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, 1-Chlorohexane, Acetone, Acrolein, Benzyl Chloride, Carbon disulfide, Chloroethane, Ethyl methacrylate, Freon 113, Hexachlorobutadiene, Methyl bromide, Methyl ethyl ketone, Methyl iodide, Naphthalene, Trans-1,4-Dichloro-2-Butene, Trichlorofluoromethane, Vinyl Acetate, Vinyl chloride are outside control limits. Probable cause

Matrix Spike Duplicate Recovery(s) for 1,1-Dichloroethylene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, 1-Chlorohexane, Acetone, Acrolein, Benzyl Chloride, Carbon disulfide, Chloroethane, Ethyl methacrylate, Hexachlorobutadiene, Methyl bromide, Methyl chloride, Methyl ethyl ketone, Methyl iodide, Naphthalene, Trans-1,4-Dichloro-2-Butene, Trichlorofluoromethane, Vinyl Acetate, Vinyl chloride are outside control limits. Probable cause due to matrix interference.

RPD(s) for MSD for 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, Acrolein, Freon 113, Hexachlorobutadiene are outside control limits for sample F61934-1MSD. Probable cause due to sample homogeneity.

F61904-2: Dilution required due to matrix interference (non-target compounds above calibration range).

F61904-2 for Methylene chloride: Suspected laboratory contaminant.

F61904-1 for Methylene chloride: Suspected laboratory contaminant.

F61904-4 for Methylene chloride: Suspected laboratory contaminant.

Matrix: SO **Batch ID:** VG2070

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61879-3MS, F61879-3MSD were used as the QC samples indicated.

Blank Spike Recovery(s) for Acetone, Acrolein, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for 2-Hexanone, Acetone, Acrolein, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Propionitrile, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for Acetone, Acrolein, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GCD3631

All samples were analyzed within the recommended method holding time.

Sample(s) F61879-3MS, F61879-3MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Matrix: SO **Batch ID:** GCD3634

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F62063-1MS, F62063-1MSD were used as the QC samples indicated.

Matrix: SO **Batch ID:** GCD3635

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F62060-1MS, F62060-1MSD were used as the QC samples indicated.

Extractables by GC By Method SW846 8015 M

Matrix: SO **Batch ID:** OP27325

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F61902-1MS, F61902-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Wet Chemistry By Method SM19 2540B M

Matrix: SO **Batch ID:** GN33024

Sample(s) F61902-1DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: December 17, 2008

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-SB36-25		
Lab Sample ID:	F61904-1	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054723.D	1	12/09/08	MM	12/03/08 12:55	n/a	VG2068
Run #2							

	Initial Weight
Run #1	5.93 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.7	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	0.99	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	0.99	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	0.99	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	0.99	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	0.99	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	9.9	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	0.99	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	0.99	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB36-25		
Lab Sample ID:	F61904-1	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	0.99	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	0.99	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	0.99	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	0.99	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	0.99	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	0.99	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	9.9	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride [a]	7.2	9.9	5.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	0.99	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.99	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.99	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB36-25		
Lab Sample ID:	F61904-1	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.99	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.99	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	0.99	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	9.9	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	0.99	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-121%
2037-26-5	Toluene-D8	88%		71-130%
460-00-4	4-Bromofluorobenzene	97%		59-148%
17060-07-0	1,2-Dichloroethane-D4	110%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB36-25		
Lab Sample ID:	F61904-1	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	84.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086336.D	1	12/09/08	JG	12/03/08 12:55	n/a	GCD3631
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.98 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.8	2.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	86%		56-136%
98-08-8	aaa-Trifluorotoluene	87%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB36-25		
Lab Sample ID:	F61904-1	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	84.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24453.D	1	12/10/08	NY	12/04/08	OP27325	GLL911
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.8	5.9	mg/kg	
	TPH (> C22-C36)	ND	9.8	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	82%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB36-30		
Lab Sample ID:	F61904-2	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054724.D	1	12/09/08	MM	12/03/08 12:55	n/a	VG2068
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.62 g	5.0 ml	100 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3200	1600	ug/kg	
75-05-8	Acetonitrile	ND	3200	1000	ug/kg	
107-02-8	Acrolein	ND	1600	630	ug/kg	
107-13-1	Acrylonitrile	ND	1600	440	ug/kg	
107-05-1	Allyl chloride	ND	1600	320	ug/kg	
71-43-2	Benzene	ND	320	64	ug/kg	
100-44-7	Benzyl Chloride	ND	320	71	ug/kg	
108-86-1	Bromobenzene	ND	320	64	ug/kg	
74-97-5	Bromochloromethane	ND	320	110	ug/kg	
75-27-4	Bromodichloromethane	ND	320	77	ug/kg	
75-25-2	Bromoform	ND	320	96	ug/kg	
104-51-8	n-Butylbenzene	ND	320	90	ug/kg	
135-98-8	sec-Butylbenzene	136	320	71	ug/kg	J
98-06-6	tert-Butylbenzene	ND	320	71	ug/kg	
108-90-7	Chlorobenzene	ND	320	64	ug/kg	
75-00-3	Chloroethane	ND	320	130	ug/kg	
67-66-3	Chloroform	ND	320	110	ug/kg	
544-10-5	1-Chlorohexane	ND	320	83	ug/kg	
95-49-8	o-Chlorotoluene	ND	320	64	ug/kg	
106-43-4	p-Chlorotoluene	ND	320	64	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1600	640	ug/kg	
75-15-0	Carbon disulfide	ND	320	71	ug/kg	
56-23-5	Carbon tetrachloride	ND	320	90	ug/kg	
75-34-3	1,1-Dichloroethane	ND	320	130	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	320	83	ug/kg	
563-58-6	1,1-Dichloropropene	ND	320	90	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	320	150	ug/kg	
106-93-4	1,2-Dibromoethane	ND	320	64	ug/kg	
107-06-2	1,2-Dichloroethane	ND	320	71	ug/kg	
78-87-5	1,2-Dichloropropane	ND	320	90	ug/kg	
142-28-9	1,3-Dichloropropane	ND	320	64	ug/kg	
594-20-7	2,2-Dichloropropane	ND	320	130	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SS61-SB36-30
Lab Sample ID: F61904-2
Matrix: SO - Soil
Method: SW846 8260B SW846 5035
Project: Holloman AFB; SS61 (Spill Site 61)

Date Sampled: 12/02/08
Date Received: 12/03/08
Percent Solids: 82.8

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	320	64	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	320	130	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	320	100	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	320	83	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	1600	320	ug/kg	
541-73-1	m-Dichlorobenzene	ND	320	64	ug/kg	
95-50-1	o-Dichlorobenzene	ND	320	64	ug/kg	
106-46-7	p-Dichlorobenzene	ND	320	64	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	320	77	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	320	64	ug/kg	
100-41-4	Ethylbenzene	ND	320	64	ug/kg	
97-63-2	Ethyl methacrylate	ND	1600	320	ug/kg	
76-13-1	Freon 113	ND	320	170	ug/kg	
591-78-6	2-Hexanone	ND	1600	320	ug/kg	
87-68-3	Hexachlorobutadiene	ND	320	77	ug/kg	
110-54-3	Hexane	ND	320	150	ug/kg	
98-82-8	Isopropylbenzene	3400	320	71	ug/kg	
99-87-6	p-Isopropyltoluene	ND	320	71	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1600	410	ug/kg	
126-98-7	Methacrylonitrile	ND	1600	350	ug/kg	
74-83-9	Methyl bromide	ND	320	140	ug/kg	
74-87-3	Methyl chloride	ND	320	150	ug/kg	
74-88-4	Methyl iodide	ND	640	130	ug/kg	
80-62-6	Methyl methacrylate	ND	1600	320	ug/kg	
74-95-3	Methylene bromide	ND	320	96	ug/kg	
75-09-2	Methylene chloride [b]	620	640	320	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	1600	530	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	320	96	ug/kg	
91-20-3	Naphthalene	ND	320	130	ug/kg	
76-01-7	Pentachloroethane	ND	1600	320	ug/kg	
107-12-0	Propionitrile	ND	3200	770	ug/kg	
103-65-1	n-Propylbenzene	205	320	77	ug/kg	J
100-42-5	Styrene	ND	320	64	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	320	64	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	320	71	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	320	120	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	320	64	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	320	130	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	320	120	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	320	130	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB36-30		
Lab Sample ID:	F61904-2	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	320	64	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	320	64	ug/kg	
127-18-4	Tetrachloroethylene	ND	320	77	ug/kg	
108-88-3	Toluene	ND	320	64	ug/kg	
79-01-6	Trichloroethylene	ND	320	77	ug/kg	
75-69-4	Trichlorofluoromethane	ND	320	130	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	1600	320	ug/kg	
75-01-4	Vinyl chloride	ND	320	130	ug/kg	
108-05-4	Vinyl Acetate	ND	1600	770	ug/kg	
	m,p-Xylene	ND	640	120	ug/kg	
95-47-6	o-Xylene	ND	320	64	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-121%
2037-26-5	Toluene-D8	89%		71-130%
460-00-4	4-Bromofluorobenzene	93%		59-148%
17060-07-0	1,2-Dichloroethane-D4	103%		77-123%

(a) Dilution required due to matrix interference (non-target compounds above calibration range).
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB36-30		
Lab Sample ID:	F61904-2	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	82.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086410.D	1	12/12/08	JG	12/03/08 12:55	n/a	GCD3634
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.62 g	5.0 ml	20.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	239	32	16	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	83%		56-136%
98-08-8	aaa-Trifluorotoluene	109%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB36-30		
Lab Sample ID:	F61904-2A	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	82.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24456.D	1	12/10/08	NY	12/04/08	OP27325	GLL911
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.9	6.0	mg/kg	
	TPH (> C22-C36)	ND	9.9	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	77%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB36-30-a		
Lab Sample ID:	F61904-3	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054725.D	1	12/09/08	MM	12/03/08 12:55	n/a	VG2068
Run #2	G0054792.D	1	12/11/08	MM	12/03/08 12:55	n/a	VG2070

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.66 g		
Run #2	5.43 g	5.0 ml	100 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	54	27	ug/kg	
75-05-8	Acetonitrile	ND	54	17	ug/kg	
107-02-8	Acrolein	ND	27	11	ug/kg	
107-13-1	Acrylonitrile	ND	27	7.4	ug/kg	
107-05-1	Allyl chloride	ND	27	5.4	ug/kg	
71-43-2	Benzene	28.3	5.4	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.4	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.4	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.4	1.8	ug/kg	
75-27-4	Bromodichloromethane	ND	5.4	1.3	ug/kg	
75-25-2	Bromoform	ND	5.4	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	5.4	1.5	ug/kg	
135-98-8	sec-Butylbenzene	20.9	5.4	1.2	ug/kg	
98-06-6	tert-Butylbenzene	8.5	5.4	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.4	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.4	2.2	ug/kg	
67-66-3	Chloroform	ND	5.4	1.8	ug/kg	
544-10-5	1-Chlorohexane	ND	5.4	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.4	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.4	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	27	11	ug/kg	
75-15-0	Carbon disulfide	2.2	5.4	1.2	ug/kg	J
56-23-5	Carbon tetrachloride	ND	5.4	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.4	2.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.4	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.4	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.4	2.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.4	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.4	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.4	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.4	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.4	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB36-30-a		
Lab Sample ID:	F61904-3	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.4	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.4	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.4	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.4	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	27	5.4	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.4	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.4	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.4	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.4	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.4	1.1	ug/kg	
100-41-4	Ethylbenzene	144	5.4	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	27	5.4	ug/kg	
76-13-1	Freon 113	ND	5.4	2.8	ug/kg	
591-78-6	2-Hexanone	ND	27	5.4	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.4	1.3	ug/kg	
110-54-3	Hexane	ND	5.4	2.6	ug/kg	
98-82-8	Isopropylbenzene	6270 [a]	330	74	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.4	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	27	6.9	ug/kg	
126-98-7	Methacrylonitrile	ND	27	5.9	ug/kg	
74-83-9	Methyl bromide	ND	5.4	2.4	ug/kg	
74-87-3	Methyl chloride	ND	5.4	2.6	ug/kg	
74-88-4	Methyl iodide	ND	11	2.2	ug/kg	
80-62-6	Methyl methacrylate	ND	27	5.4	ug/kg	
74-95-3	Methylene bromide	ND	5.4	1.6	ug/kg	
75-09-2	Methylene chloride	ND	11	5.4	ug/kg	
78-93-3	Methyl ethyl ketone	ND	27	8.9	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.4	1.6	ug/kg	
91-20-3	Naphthalene	ND	5.4	2.2	ug/kg	
76-01-7	Pentachloroethane	ND	27	5.4	ug/kg	
107-12-0	Propionitrile	ND	54	13	ug/kg	
103-65-1	n-Propylbenzene	63.8	5.4	1.3	ug/kg	
100-42-5	Styrene	ND	5.4	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.4	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.4	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	4.6	5.4	1.9	ug/kg	J
79-00-5	1,1,2-Trichloroethane	ND	5.4	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.4	2.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.4	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.4	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB36-30-a		
Lab Sample ID:	F61904-3	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.4	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.4	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.4	1.3	ug/kg	
108-88-3	Toluene	ND	5.4	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.4	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.4	2.2	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	27	5.4	ug/kg	
75-01-4	Vinyl chloride	ND	5.4	2.2	ug/kg	
108-05-4	Vinyl Acetate	ND	27	13	ug/kg	
	m,p-Xylene	ND	11	2.0	ug/kg	
95-47-6	o-Xylene	ND	5.4	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%	91%	80-121%
2037-26-5	Toluene-D8	112%	95%	71-130%
460-00-4	4-Bromofluorobenzene	92%	88%	59-148%
17060-07-0	1,2-Dichloroethane-D4	94%	99%	77-123%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB36-30-a		
Lab Sample ID:	F61904-3	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	82.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086453.D	1	12/15/08	JG	12/03/08 12:55	n/a	GCD3635
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.43 g	5.0 ml	10.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	424	67	33	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	107%		56-136%
98-08-8	aaa-Trifluorotoluene	119%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB36-30-a		
Lab Sample ID:	F61904-3	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	82.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24454.D	1	12/10/08	NY	12/04/08	OP27325	GLL911
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.0	mg/kg	
	TPH (> C22-C36)	ND	10	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	78%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB36-40		
Lab Sample ID:	F61904-4	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054726.D	1	12/09/08	MM	12/03/08 12:55	n/a	VG2068
Run #2							

	Initial Weight
Run #1	5.90 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	49	25	ug/kg	
75-05-8	Acetonitrile	ND	49	16	ug/kg	
107-02-8	Acrolein	ND	25	9.7	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.8	ug/kg	
107-05-1	Allyl chloride	ND	25	4.9	ug/kg	
71-43-2	Benzene	ND	4.9	0.99	ug/kg	
100-44-7	Benzyl Chloride	ND	4.9	1.1	ug/kg	
108-86-1	Bromobenzene	ND	4.9	0.99	ug/kg	
74-97-5	Bromochloromethane	ND	4.9	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	4.9	1.2	ug/kg	
75-25-2	Bromoform	ND	4.9	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	4.9	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	4.9	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	4.9	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	4.9	0.99	ug/kg	
75-00-3	Chloroethane	ND	4.9	2.0	ug/kg	
67-66-3	Chloroform	ND	4.9	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	4.9	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.9	0.99	ug/kg	
106-43-4	p-Chlorotoluene	ND	4.9	0.99	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	9.9	ug/kg	
75-15-0	Carbon disulfide	ND	4.9	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.9	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.9	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.9	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	4.9	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.9	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4.9	0.99	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.9	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.9	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4.9	0.99	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4.9	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB36-40		
Lab Sample ID:	F61904-4	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	4.9	0.99	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.9	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.9	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.9	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	4.9	ug/kg	
541-73-1	m-Dichlorobenzene	ND	4.9	0.99	ug/kg	
95-50-1	o-Dichlorobenzene	ND	4.9	0.99	ug/kg	
106-46-7	p-Dichlorobenzene	ND	4.9	0.99	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	4.9	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.9	0.99	ug/kg	
100-41-4	Ethylbenzene	ND	4.9	0.99	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	4.9	ug/kg	
76-13-1	Freon 113	ND	4.9	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	4.9	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.9	1.2	ug/kg	
110-54-3	Hexane	ND	4.9	2.4	ug/kg	
98-82-8	Isopropylbenzene	1.5	4.9	1.1	ug/kg	J
99-87-6	p-Isopropyltoluene	ND	4.9	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.3	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.4	ug/kg	
74-83-9	Methyl bromide	ND	4.9	2.2	ug/kg	
74-87-3	Methyl chloride	ND	4.9	2.4	ug/kg	
74-88-4	Methyl iodide	ND	9.9	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	4.9	ug/kg	
74-95-3	Methylene bromide	ND	4.9	1.5	ug/kg	
75-09-2	Methylene chloride [a]	12.2	9.9	4.9	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.2	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.9	1.5	ug/kg	
91-20-3	Naphthalene	ND	4.9	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	4.9	ug/kg	
107-12-0	Propionitrile	ND	49	12	ug/kg	
103-65-1	n-Propylbenzene	ND	4.9	1.2	ug/kg	
100-42-5	Styrene	ND	4.9	0.99	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.9	0.99	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.9	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.9	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.9	0.99	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.9	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.9	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB36-40		
Lab Sample ID:	F61904-4	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	4.9	0.99	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.9	0.99	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.9	1.2	ug/kg	
108-88-3	Toluene	ND	4.9	0.99	ug/kg	
79-01-6	Trichloroethylene	ND	4.9	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.9	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	4.9	ug/kg	
75-01-4	Vinyl chloride	ND	4.9	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	9.9	1.9	ug/kg	
95-47-6	o-Xylene	ND	4.9	0.99	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-121%
2037-26-5	Toluene-D8	93%		71-130%
460-00-4	4-Bromofluorobenzene	97%		59-148%
17060-07-0	1,2-Dichloroethane-D4	100%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB36-40		
Lab Sample ID:	F61904-4	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	85.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086339.D	1	12/09/08	JG	12/03/08 12:55	n/a	GCD3631
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.12 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.6	2.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	86%		56-136%
98-08-8	aaa-Trifluorotoluene	83%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB36-40		
Lab Sample ID:	F61904-4	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/03/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	85.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24455.D	1	12/10/08	NY	12/04/08	OP27325	GLL911
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.6	5.8	mg/kg	
	TPH (> C22-C36)	ND	9.6	5.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	74%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61904-5	**Date Sampled:**	12/02/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/03/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054793.D	1	12/11/08	MM	n/a	n/a	VG2070
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	1.7	5.0	1.3	ug/kg	J
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61904-5	**Date Sampled:**	12/02/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/03/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61904-5	**Date Sampled:**	12/02/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/03/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-121%
2037-26-5	Toluene-D8	97%		71-130%
460-00-4	4-Bromofluorobenzene	94%		59-148%
17060-07-0	1,2-Dichloroethane-D4	102%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

F61904

Page 1 of 1

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number [1]: 12-02-2008-4

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Zack Beck / Greg Kinsman

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)						Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
1	SS61-SB36-25	SS61-SB36	02-12-2008	0930	23-25	N	01	SO	5	X	X	X										4
2*	SS61-SB36-30	SS61-SB36	02-12-2008	0945	28-30	N	01	SO	5	X	X	X										4
3	SS61-SB36-30-a	SS61-SB36	02-12-2008	0945	28-30	FD	01	SO	5	X	X	X										4
4	SS61-SB36-40	SS61-SB36	02-12-2008	1000	38-40	N	01	SO	5	X	X	X										4
5	Trip Blanks				-	TB		WQ	3	X												4
					-																	
					-																	
					-																	
					-																	
					-																	
					-																	

Sample Analysis Requested [5] | Quality Assurance Samples [6]

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

* Rush VOC and GRO analysis from sample SS61-SB36-30

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1.		12/02/08	1400			
2.					12-3-08	09:30
3.						

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: Shipped No.:

Method of Shipment: Airbill Number:

Analytical Lab: Accutest Laboratories Delivery Location:

Lab Recipient: Delivery Date/Time:

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

26

F61904: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61904 CLIENT: Blate PROJECT: SS-61

DATE/TIME RECEIVED: 12-3-08 09:30 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.6

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8657 5824 0382

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [X] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 16

NUMBER OF 5035 FIELD KITS ? TB

NUMBER OF LAB FILTERED METALS ? 8

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE E.T. 12-3-08 TECHNICIAN SIGNATURE/DATE 12/3/08 ASBD 12/17/07

4.1 4

F61904: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61904
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2068-MB	G0054709.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61904-1, F61904-2, F61904-3, F61904-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61904
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2068-MB	G0054709.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61904-1, F61904-2, F61904-3, F61904-4

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	1.2	5.0	1.2	ug/kg	J
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F61904
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2068-MB	G0054709.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61904-1, F61904-2, F61904-3, F61904-4

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	1.4	5.0	1.0	ug/kg	J
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	80-121%
2037-26-5	Toluene-D8	91%	71-130%
460-00-4	4-Bromofluorobenzene	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	104%	77-123%

Method Blank Summary

Job Number: F61904
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2070-MB	G0054786.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61904-3, F61904-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61904
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2070-MB	G0054786.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61904-3, F61904-5

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	5.7	10	5.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F61904
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2070-MB	G0054786.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61904-3, F61904-5

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	97%	80-121%
2037-26-5	Toluene-D8	95%	71-130%
460-00-4	4-Bromofluorobenzene	100%	59-148%
17060-07-0	1,2-Dichloroethane-D4	101%	77-123%

Blank Spike Summary

Job Number: F61904
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2068-BS	G0054708.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61904-1, F61904-2, F61904-3, F61904-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	96.2	38*	61-144
75-05-8	Acetonitrile	500	391	78	59-139
107-02-8	Acrolein	250	67.9	27	27-156
107-13-1	Acrylonitrile	250	264	106	55-144
107-05-1	Allyl chloride	50	45.3	91	41-152
71-43-2	Benzene	50	47.4	95	78-130
100-44-7	Benzyl Chloride	50	42.2	84	74-130
108-86-1	Bromobenzene	50	49.2	98	78-123
74-97-5	Bromochloromethane	50	40.3	81	72-122
75-27-4	Bromodichloromethane	50	43.6	87	73-122
75-25-2	Bromoform	50	40.4	81	70-139
104-51-8	n-Butylbenzene	50	54.4	109	80-138
135-98-8	sec-Butylbenzene	50	52.5	105	82-132
98-06-6	tert-Butylbenzene	50	50.7	101	79-130
108-90-7	Chlorobenzene	50	47.4	95	83-122
75-00-3	Chloroethane	50	40.0	80	61-153
67-66-3	Chloroform	50	47.7	95	79-129
544-10-5	1-Chlorohexane	50	42.5	85	85-137
95-49-8	o-Chlorotoluene	50	50.5	101	77-123
106-43-4	p-Chlorotoluene	50	50.9	102	78-129
110-75-8	2-Chloroethyl vinyl ether	250	259	104	52-142
75-15-0	Carbon disulfide	50	36.6	73	61-142
56-23-5	Carbon tetrachloride	50	45.7	91	79-135
75-34-3	1,1-Dichloroethane	50	46.7	93	77-132
75-35-4	1,1-Dichloroethylene	50	41.8	84	66-132
563-58-6	1,1-Dichloropropene	50	45.0	90	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	39.0	78	67-129
106-93-4	1,2-Dibromoethane	50	41.5	83	77-126
107-06-2	1,2-Dichloroethane	50	41.4	83	78-129
78-87-5	1,2-Dichloropropane	50	46.1	92	74-127
142-28-9	1,3-Dichloropropane	50	43.4	87	78-118
594-20-7	2,2-Dichloropropane	50	52.5	105	80-137
124-48-1	Dibromochloromethane	50	39.1	78	78-117
75-71-8	Dichlorodifluoromethane	50	29.0	58	35-162
156-59-2	cis-1,2-Dichloroethylene	50	45.3	91	74-123
10061-01-5	cis-1,3-Dichloropropene	50	46.6	93	79-130

Blank Spike Summary

Job Number: F61904
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2068-BS	G0054708.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61904-1, F61904-2, F61904-3, F61904-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	41.8	84	71-126
541-73-1	m-Dichlorobenzene	50	48.6	97	82-126
95-50-1	o-Dichlorobenzene	50	48.8	98	83-123
106-46-7	p-Dichlorobenzene	50	50.6	101	84-124
156-60-5	trans-1,2-Dichloroethylene	50	44.1	88	77-129
10061-02-6	trans-1,3-Dichloropropene	50	49.4	99	87-131
100-41-4	Ethylbenzene	50	47.9	96	82-124
97-63-2	Ethyl methacrylate	50	39.6	79	78-118
76-13-1	Freon 113	50	32.7	65	62-147
591-78-6	2-Hexanone	250	186	74	67-130
87-68-3	Hexachlorobutadiene	50	47.1	94	77-150
110-54-3	Hexane	50	50.0	100	65-147
98-82-8	Isopropylbenzene	50	50.5	101	82-133
99-87-6	p-Isopropyltoluene	50	53.4	107	82-132
108-10-1	4-Methyl-2-pentanone	250	211	84	69-125
126-98-7	Methacrylonitrile	500	355	71	70-138
74-83-9	Methyl bromide	50	40.2	80	60-146
74-87-3	Methyl chloride	50	39.9	80	58-163
74-88-4	Methyl iodide	50	36.8	74	66-128
80-62-6	Methyl methacrylate	50	37.6	75	73-125
74-95-3	Methylene bromide	50	42.4	85	75-128
75-09-2	Methylene chloride	50	46.4	93	62-140
78-93-3	Methyl ethyl ketone	250	142	57*	66-134
1634-04-4	Methyl Tert Butyl Ether	50	41.3	83	70-131
91-20-3	Naphthalene	50	36.1	72	59-143
76-01-7	Pentachloroethane	50	47.0	94	64-156
107-12-0	Propionitrile	500	335	67*	73-133
103-65-1	n-Propylbenzene	50	51.7	103	78-129
100-42-5	Styrene	50	48.7	97	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	45.6	91	81-121
71-55-6	1,1,1-Trichloroethane	50	45.6	91	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	45.2	90	70-128
79-00-5	1,1,2-Trichloroethane	50	42.3	85	76-118
87-61-6	1,2,3-Trichlorobenzene	50	40.2	80	78-136
96-18-4	1,2,3-Trichloropropane	50	39.9	80	74-125
120-82-1	1,2,4-Trichlorobenzene	50	33.9	68*	82-137

Blank Spike Summary

Job Number: F61904
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2068-BS	G0054708.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61904-1, F61904-2, F61904-3, F61904-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	51.8	104	77-129
108-67-8	1,3,5-Trimethylbenzene	50	50.5	101	79-129
127-18-4	Tetrachloroethylene	50	47.9	96	79-132
108-88-3	Toluene	50	46.9	94	80-123
79-01-6	Trichloroethylene	50	45.0	90	78-132
75-69-4	Trichlorofluoromethane	50	40.0	80	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	93.9	188*	74-138
75-01-4	Vinyl chloride	50	37.2	74	60-145
108-05-4	Vinyl Acetate	250	337	135	25-164
	m,p-Xylene	100	98.5	99	82-128
95-47-6	o-Xylene	50	48.4	97	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	80-121%
2037-26-5	Toluene-D8	103%	71-130%
460-00-4	4-Bromofluorobenzene	98%	59-148%
17060-07-0	1,2-Dichloroethane-D4	92%	77-123%

Blank Spike Summary

Job Number: F61904
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2070-BS	G0054785.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61904-3, F61904-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	129	52*	61-144
75-05-8	Acetonitrile	500	402	80	59-139
107-02-8	Acrolein	250	37.5	15*	27-156
107-13-1	Acrylonitrile	250	207	83	55-144
107-05-1	Allyl chloride	50	59.1	118	41-152
71-43-2	Benzene	50	52.1	104	78-130
100-44-7	Benzyl Chloride	50	37.6	75	74-130
108-86-1	Bromobenzene	50	52.2	104	78-123
74-97-5	Bromochloromethane	50	41.6	83	72-122
75-27-4	Bromodichloromethane	50	47.9	96	73-122
75-25-2	Bromoform	50	41.7	83	70-139
104-51-8	n-Butylbenzene	50	56.9	114	80-138
135-98-8	sec-Butylbenzene	50	56.0	112	82-132
98-06-6	tert-Butylbenzene	50	55.3	111	79-130
108-90-7	Chlorobenzene	50	51.5	103	83-122
75-00-3	Chloroethane	50	43.6	87	61-153
67-66-3	Chloroform	50	51.9	104	79-129
544-10-5	1-Chlorohexane	50	55.5	111	85-137
95-49-8	o-Chlorotoluene	50	53.7	107	77-123
106-43-4	p-Chlorotoluene	50	54.3	109	78-129
110-75-8	2-Chloroethyl vinyl ether	250	304	122	52-142
75-15-0	Carbon disulfide	50	41.6	83	61-142
56-23-5	Carbon tetrachloride	50	52.7	105	79-135
75-34-3	1,1-Dichloroethane	50	52.9	106	77-132
75-35-4	1,1-Dichloroethylene	50	48.7	97	66-132
563-58-6	1,1-Dichloropropene	50	50.6	101	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	40.5	81	67-129
106-93-4	1,2-Dibromoethane	50	42.9	86	77-126
107-06-2	1,2-Dichloroethane	50	45.7	91	78-129
78-87-5	1,2-Dichloropropane	50	49.8	100	74-127
142-28-9	1,3-Dichloropropane	50	44.3	89	78-118
594-20-7	2,2-Dichloropropane	50	52.3	105	80-137
124-48-1	Dibromochloromethane	50	47.4	95	78-117
75-71-8	Dichlorodifluoromethane	50	33.9	68	35-162
156-59-2	cis-1,2-Dichloroethylene	50	49.0	98	74-123
10061-01-5	cis-1,3-Dichloropropene	50	50.7	101	79-130

Blank Spike Summary

Job Number: F61904
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2070-BS	G0054785.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61904-3, F61904-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	41.7	83	71-126
541-73-1	m-Dichlorobenzene	50	54.2	108	82-126
95-50-1	o-Dichlorobenzene	50	52.3	105	83-123
106-46-7	p-Dichlorobenzene	50	52.3	105	84-124
156-60-5	trans-1,2-Dichloroethylene	50	50.9	102	77-129
10061-02-6	trans-1,3-Dichloropropene	50	49.8	100	87-131
100-41-4	Ethylbenzene	50	52.6	105	82-124
97-63-2	Ethyl methacrylate	50	39.4	79	78-118
76-13-1	Freon 113	50	48.6	97	62-147
591-78-6	2-Hexanone	250	180	72	67-130
87-68-3	Hexachlorobutadiene	50	58.4	117	77-150
110-54-3	Hexane	50	53.0	106	65-147
98-82-8	Isopropylbenzene	50	55.1	110	82-133
99-87-6	p-Isopropyltoluene	50	56.2	112	82-132
108-10-1	4-Methyl-2-pentanone	250	191	76	69-125
126-98-7	Methacrylonitrile	500	401	80	70-138
74-83-9	Methyl bromide	50	49.4	99	60-146
74-87-3	Methyl chloride	50	48.2	96	58-163
74-88-4	Methyl iodide	50	40.5	81	66-128
80-62-6	Methyl methacrylate	50	44.9	90	73-125
74-95-3	Methylene bromide	50	48.0	96	75-128
75-09-2	Methylene chloride	50	51.9	104	62-140
78-93-3	Methyl ethyl ketone	250	149	60*	66-134
1634-04-4	Methyl Tert Butyl Ether	50	41.3	83	70-131
91-20-3	Naphthalene	50	46.9	94	59-143
76-01-7	Pentachloroethane	50	52.0	104	64-156
107-12-0	Propionitrile	500	371	74	73-133
103-65-1	n-Propylbenzene	50	55.3	111	78-129
100-42-5	Styrene	50	51.3	103	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	52.6	105	81-121
71-55-6	1,1,1-Trichloroethane	50	53.1	106	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	44.7	89	70-128
79-00-5	1,1,2-Trichloroethane	50	44.5	89	76-118
87-61-6	1,2,3-Trichlorobenzene	50	50.5	101	78-136
96-18-4	1,2,3-Trichloropropane	50	38.9	78	74-125
120-82-1	1,2,4-Trichlorobenzene	50	51.9	104	82-137

Blank Spike Summary

Job Number: F61904
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2070-BS	G0054785.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61904-3, F61904-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	55.2	110	77-129
108-67-8	1,3,5-Trimethylbenzene	50	54.7	109	79-129
127-18-4	Tetrachloroethylene	50	52.4	105	79-132
108-88-3	Toluene	50	51.6	103	80-123
79-01-6	Trichloroethylene	50	48.7	97	78-132
75-69-4	Trichlorofluoromethane	50	47.3	95	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	88.0	176*	74-138
75-01-4	Vinyl chloride	50	45.4	91	60-145
108-05-4	Vinyl Acetate	250	167	67	25-164
	m,p-Xylene	100	107	107	82-128
95-47-6	o-Xylene	50	52.9	106	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	80-121%
2037-26-5	Toluene-D8	98%	71-130%
460-00-4	4-Bromofluorobenzene	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	91%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61904
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61934-1MS	G0054717.D	1	12/09/08	MM	n/a	n/a	VG2068
F61934-1MSD	G0054718.D	1	12/09/08	MM	n/a	n/a	VG2068
F61934-1	G0054716.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61904-1, F61904-2, F61904-3, F61904-4

CAS No.	Compound	F61934-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		278	111	40*	117	42*	5	61-144/29
75-05-8	Acetonitrile	ND		557	438	79	444	79	1	59-139/30
107-02-8	Acrolein	ND		278	ND	0*	14.2	5*	200*	27-156/39
107-13-1	Acrylonitrile	ND		278	248	89	265	94	7	55-144/24
107-05-1	Allyl chloride	ND		55.7	53.6	96	53.5	95	0	41-152/24
71-43-2	Benzene	ND		55.7	54.6	98	53.5	95	2	78-130/25
100-44-7	Benzyl Chloride	ND		55.7	39.6	71*	38.9	69*	2	74-130/28
108-86-1	Bromobenzene	ND		55.7	57.3	103	58.0	103	1	78-123/30
74-97-5	Bromochloromethane	ND		55.7	47.8	86	47.2	84	1	72-122/23
75-27-4	Bromodichloromethane	ND		55.7	53.3	96	53.5	95	0	73-122/25
75-25-2	Bromoform	ND		55.7	52.7	95	48.0	85	9	70-139/26
104-51-8	n-Butylbenzene	ND		55.7	57.3	103	60.7	108	6	80-138/31
135-98-8	sec-Butylbenzene	ND		55.7	59.3	107	59.9	107	1	82-132/29
98-06-6	tert-Butylbenzene	ND		55.7	58.9	106	58.6	104	1	79-130/29
108-90-7	Chlorobenzene	ND		55.7	55.1	99	54.6	97	1	83-122/23
75-00-3	Chloroethane	ND		55.7	31.2	56*	32.0	57*	3	61-153/31
67-66-3	Chloroform	ND		55.7	55.0	99	55.3	98	1	79-129/27
544-10-5	1-Chlorohexane	ND		55.7	47.0	84*	46.0	82*	2	85-137/29
95-49-8	o-Chlorotoluene	ND		55.7	58.7	105	60.1	107	2	77-123/31
106-43-4	p-Chlorotoluene	ND		55.7	58.8	106	59.2	105	1	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		278	346	124	335	119	3	52-142/25
75-15-0	Carbon disulfide	ND		55.7	29.4	53*	29.8	53*	1	61-142/27
56-23-5	Carbon tetrachloride	ND		55.7	51.6	93	51.7	92	0	79-135/29
75-34-3	1,1-Dichloroethane	ND		55.7	53.2	96	53.6	95	1	77-132/26
75-35-4	1,1-Dichloroethylene	ND		55.7	34.3	62*	35.1	62*	2	66-132/27
563-58-6	1,1-Dichloropropene	ND		55.7	49.9	90	50.6	90	1	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		55.7	22.9	41*	36.7	65*	46*	67-129/29
106-93-4	1,2-Dibromoethane	ND		55.7	54.4	98	50.5	90	7	77-126/24
107-06-2	1,2-Dichloroethane	ND		55.7	51.0	92	49.9	89	2	78-129/24
78-87-5	1,2-Dichloropropane	ND		55.7	56.0	101	54.2	96	3	74-127/27
142-28-9	1,3-Dichloropropane	ND		55.7	54.4	98	50.9	91	7	78-118/26
594-20-7	2,2-Dichloropropane	ND		55.7	52.1	94	53.4	95	2	80-137/28
124-48-1	Dibromochloromethane	ND		55.7	50.6	91	47.6	85	6	78-117/27
75-71-8	Dichlorodifluoromethane	ND		55.7	22.5	40	21.8	39	3	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		55.7	50.2	90	51.7	92	3	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		55.7	54.9	99	54.9	98	0	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61904
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61934-1MS	G0054717.D	1	12/09/08	MM	n/a	n/a	VG2068
F61934-1MSD	G0054718.D	1	12/09/08	MM	n/a	n/a	VG2068
F61934-1	G0054716.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61904-1, F61904-2, F61904-3, F61904-4

CAS No.	Compound	F61934-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		55.7	52.8	95	53.1	95	1	71-126/28
541-73-1	m-Dichlorobenzene	ND		55.7	56.0	101	57.5	102	3	82-126/29
95-50-1	o-Dichlorobenzene	ND		55.7	55.7	100	56.5	101	1	83-123/28
106-46-7	p-Dichlorobenzene	ND		55.7	56.9	102	57.8	103	2	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		55.7	49.9	90	49.8	89	0	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		55.7	59.8	107	57.8	103	3	87-131/27
100-41-4	Ethylbenzene	ND		55.7	55.4	100	53.4	95	4	82-124/25
97-63-2	Ethyl methacrylate	ND		55.7	24.9	45*	22.5	40*	10	78-118/30
76-13-1	Freon 113	ND		55.7	29.9	54*	54.8	98	59*	62-147/29
591-78-6	2-Hexanone	ND		278	233	84	205	73	13	67-130/29
87-68-3	Hexachlorobutadiene	ND		55.7	11.2	20*	27.2	48*	83*	77-150/36
110-54-3	Hexane	ND		55.7	47.5	85	47.0	84	1	65-147/27
98-82-8	Isopropylbenzene	ND		55.7	58.5	105	56.7	101	3	82-133/27
99-87-6	p-Isopropyltoluene	ND		55.7	58.7	105	60.2	107	3	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		278	288	103	264	94	9	69-125/24
126-98-7	Methacrylonitrile	ND		557	469	84	466	83	1	70-138/22
74-83-9	Methyl bromide	ND		55.7	31.9	57*	32.6	58*	2	60-146/31
74-87-3	Methyl chloride	ND		55.7	32.3	58	32.0	57*	1	58-163/26
74-88-4	Methyl iodide	ND		55.7	28.5	51*	29.5	53*	3	66-128/27
80-62-6	Methyl methacrylate	ND		55.7	63.0	113	55.9	100	12	73-125/24
74-95-3	Methylene bromide	ND		55.7	51.5	93	50.0	89	3	75-128/26
75-09-2	Methylene chloride	ND		55.7	53.4	96	50.5	90	6	62-140/25
78-93-3	Methyl ethyl ketone	ND		278	134	48*	133	47*	1	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		55.7	51.9	93	50.3	90	3	70-131/25
91-20-3	Naphthalene	ND		55.7	16.6	30*	18.7	33*	12	59-143/31
76-01-7	Pentachloroethane	ND		55.7	51.2	92	51.4	92	0	64-156/37
107-12-0	Propionitrile	ND		557	465	84	431	77	8	73-133/23
103-65-1	n-Propylbenzene	ND		55.7	58.4	105	58.5	104	0	78-129/29
100-42-5	Styrene	ND		55.7	58.7	105	56.7	101	3	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		55.7	56.5	101	52.7	94	7	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		55.7	53.5	96	52.8	94	1	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		55.7	59.2	106	57.6	103	3	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		55.7	55.2	99	52.4	93	5	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		55.7	23.6	42*	28.1	50*	17	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		55.7	50.5	91	49.5	88	2	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		55.7	3.7	7*	8.0	14*	74*	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61904
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61934-1MS	G0054717.D	1	12/09/08	MM	n/a	n/a	VG2068
F61934-1MSD	G0054718.D	1	12/09/08	MM	n/a	n/a	VG2068
F61934-1	G0054716.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61904-1, F61904-2, F61904-3, F61904-4

CAS No.	Compound	F61934-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		55.7	59.9	108	60.5	108	1	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		55.7	59.2	106	59.7	106	1	79-129/31
127-18-4	Tetrachloroethylene	ND		55.7	59.5	107	56.8	101	5	79-132/27
108-88-3	Toluene	ND		55.7	55.0	99	54.3	97	1	80-123/26
79-01-6	Trichloroethylene	ND		55.7	51.5	93	49.3	88	4	78-132/28
75-69-4	Trichlorofluoromethane	ND		55.7	31.7	57*	32.6	58*	3	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		55.7	117	210*	108	192*	8	74-138/30
75-01-4	Vinyl chloride	ND		55.7	29.2	52*	30.0	53*	3	60-145/29
108-05-4	Vinyl Acetate	ND		278	58.8	21*	59.9	21*	2	25-164/35
	m,p-Xylene	ND		111	114	102	112	100	2	82-128/25
95-47-6	o-Xylene	ND		55.7	57.6	103	56.1	100	3	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61934-1	Limits
1868-53-7	Dibromofluoromethane	98%	97%	102%	80-121%
2037-26-5	Toluene-D8	104%	104%	90%	71-130%
460-00-4	4-Bromofluorobenzene	100%	97%	93%	59-148%
17060-07-0	1,2-Dichloroethane-D4	94%	91%	104%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61904
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61879-3MS	G0054789.D	1	12/11/08	MM	n/a	n/a	VG2070
F61879-3MSD	G0054790.D	1	12/11/08	MM	n/a	n/a	VG2070
F61879-3	G0054788.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61904-3, F61904-5

CAS No.	Compound	F61879-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	32.9		311	121	28*	128	31*	6	61-144/29
75-05-8	Acetonitrile	ND		622	463	74	513	83	10	59-139/30
107-02-8	Acrolein	ND		311	ND	0*	ND	0*	nc	27-156/39
107-13-1	Acrylonitrile	ND		311	239	77	270	87	12	55-144/24
107-05-1	Allyl chloride	ND		62.2	67.9	109	66.6	108	2	41-152/24
71-43-2	Benzene	ND		62.2	62.1	100	61.5	99	1	78-130/25
100-44-7	Benzyl Chloride	ND		62.2	31.0	50*	31.3	51*	1	74-130/28
108-86-1	Bromobenzene	ND		62.2	64.2	103	59.6	96	7	78-123/30
74-97-5	Bromochloromethane	ND		62.2	53.1	85	51.0	82	4	72-122/23
75-27-4	Bromodichloromethane	ND		62.2	57.9	93	58.4	94	1	73-122/25
75-25-2	Bromoform	ND		62.2	52.1	84	53.4	86	2	70-139/26
104-51-8	n-Butylbenzene	ND		62.2	64.1	103	61.6	100	4	80-138/31
135-98-8	sec-Butylbenzene	ND		62.2	65.6	106	62.1	100	5	82-132/29
98-06-6	tert-Butylbenzene	ND		62.2	67.1	108	61.5	99	9	79-130/29
108-90-7	Chlorobenzene	ND		62.2	65.5	105	60.2	97	8	83-122/23
75-00-3	Chloroethane	ND		62.2	55.3	89	54.1	88	2	61-153/31
67-66-3	Chloroform	ND		62.2	63.4	102	63.0	102	1	79-129/27
544-10-5	1-Chlorohexane	ND		62.2	63.3	102	59.7	97	6	85-137/29
95-49-8	o-Chlorotoluene	ND		62.2	64.2	103	61.9	100	4	77-123/31
106-43-4	p-Chlorotoluene	ND		62.2	64.3	103	60.8	98	6	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		311	367	118	405	131	10	52-142/25
75-15-0	Carbon disulfide	1.4	J	62.2	50.8	79	49.4	78	3	61-142/27
56-23-5	Carbon tetrachloride	ND		62.2	65.9	106	52.5	85	23	79-135/29
75-34-3	1,1-Dichloroethane	ND		62.2	64.2	103	63.6	103	1	77-132/26
75-35-4	1,1-Dichloroethylene	ND		62.2	58.4	94	57.2	93	2	66-132/27
563-58-6	1,1-Dichloropropene	ND		62.2	60.8	98	57.8	93	5	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		62.2	48.2	78	55.9	90	15	67-129/29
106-93-4	1,2-Dibromoethane	ND		62.2	54.5	88	52.6	85	4	77-126/24
107-06-2	1,2-Dichloroethane	ND		62.2	55.7	90	58.3	94	5	78-129/24
78-87-5	1,2-Dichloropropane	ND		62.2	58.5	94	60.7	98	4	74-127/27
142-28-9	1,3-Dichloropropane	ND		62.2	55.5	89	55.4	90	0	78-118/26
594-20-7	2,2-Dichloropropane	ND		62.2	52.4	84	49.5	80	6	80-137/28
124-48-1	Dibromochloromethane	ND		62.2	57.8	93	55.9	90	3	78-117/27
75-71-8	Dichlorodifluoromethane	ND		62.2	38.8	62	36.6	59	6	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		62.2	58.4	94	59.0	95	1	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		62.2	58.3	94	60.7	98	4	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61904
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61879-3MS	G0054789.D	1	12/11/08	MM	n/a	n/a	VG2070
F61879-3MSD	G0054790.D	1	12/11/08	MM	n/a	n/a	VG2070
F61879-3	G0054788.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61904-3, F61904-5

CAS No.	Compound	F61879-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		62.2	45.3	73	48.3	78	6	71-126/28
541-73-1	m-Dichlorobenzene	ND		62.2	64.4	104	62.7	101	3	82-126/29
95-50-1	o-Dichlorobenzene	ND		62.2	65.1	105	60.9	99	7	83-123/28
106-46-7	p-Dichlorobenzene	ND		62.2	63.4	102	61.6	100	3	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		62.2	59.9	96	58.5	95	2	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		62.2	60.4	97	60.2	97	0	87-131/27
100-41-4	Ethylbenzene	ND		62.2	65.8	106	62.2	101	6	82-124/25
97-63-2	Ethyl methacrylate	ND		62.2	7.7	12*	8.1	13*	5	78-118/30
76-13-1	Freon 113	ND		62.2	55.5	89	55.8	90	1	62-147/29
591-78-6	2-Hexanone	ND		311	195	63*	211	68	8	67-130/29
87-68-3	Hexachlorobutadiene	ND		62.2	66.0	106	58.8	95	12	77-150/36
110-54-3	Hexane	ND		62.2	56.1	90	49.6	80	12	65-147/27
98-82-8	Isopropylbenzene	ND		62.2	69.4	112	64.6	104	7	82-133/27
99-87-6	p-Isopropyltoluene	ND		62.2	66.1	106	63.5	103	4	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		311	239	77	256	83	7	69-125/24
126-98-7	Methacrylonitrile	ND		622	458	74	523	85	13	70-138/22
74-83-9	Methyl bromide	ND		62.2	57.0	92	56.3	91	1	60-146/31
74-87-3	Methyl chloride	ND		62.2	57.8	93	56.2	91	3	58-163/26
74-88-4	Methyl iodide	ND		62.2	48.5	78	45.8	74	6	66-128/27
80-62-6	Methyl methacrylate	ND		62.2	49.4	79	52.6	85	6	73-125/24
74-95-3	Methylene bromide	ND		62.2	57.4	92	57.0	92	1	75-128/26
75-09-2	Methylene chloride	ND		62.2	64.0	103	61.4	99	4	62-140/25
78-93-3	Methyl ethyl ketone	ND		311	126	41*	151	49*	18	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		62.2	49.8	80	52.5	85	5	70-131/25
91-20-3	Naphthalene	ND		62.2	56.2	90	57.4	93	2	59-143/31
76-01-7	Pentachloroethane	ND		62.2	63.0	101	57.6	93	9	64-156/37
107-12-0	Propionitrile	ND		622	418	67*	469	76	11	73-133/23
103-65-1	n-Propylbenzene	ND		62.2	63.0	101	61.0	99	3	78-129/29
100-42-5	Styrene	ND		62.2	65.6	106	61.3	99	7	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		62.2	63.6	102	63.9	103	0	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		62.2	64.5	104	59.9	97	7	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		62.2	52.1	84	56.8	92	9	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		62.2	55.7	90	56.8	92	2	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		62.2	58.1	93	60.1	97	3	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		62.2	46.7	75	49.3	80	5	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		62.2	62.0	100	59.6	96	4	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61904
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61879-3MS	G0054789.D	1	12/11/08	MM	n/a	n/a	VG2070
F61879-3MSD	G0054790.D	1	12/11/08	MM	n/a	n/a	VG2070
F61879-3	G0054788.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61904-3, F61904-5

CAS No.	Compound	F61879-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		62.2	65.3	105	63.3	102	3	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		62.2	66.0	106	61.6	100	7	79-129/31
127-18-4	Tetrachloroethylene	ND		62.2	71.6	115	69.8	113	3	79-132/27
108-88-3	Toluene	ND		62.2	65.5	105	60.7	98	8	80-123/26
79-01-6	Trichloroethylene	ND		62.2	61.1	98	59.6	96	2	78-132/28
75-69-4	Trichlorofluoromethane	ND		62.2	55.8	90	52.8	85	6	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		62.2	90.5	146*	101	163*	11	74-138/30
75-01-4	Vinyl chloride	ND		62.2	49.7	80	49.4	80	1	60-145/29
108-05-4	Vinyl Acetate	ND		311	20.9	7*	21.6	7*	3	25-164/35
	m,p-Xylene	ND		124	135	109	124	100	8	82-128/25
95-47-6	o-Xylene	ND		62.2	66.6	107	61.9	100	7	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61879-3	Limits
1868-53-7	Dibromofluoromethane	96%	100%	99%	80-121%
2037-26-5	Toluene-D8	100%	100%	94%	71-130%
460-00-4	4-Bromofluorobenzene	96%	92%	93%	59-148%
17060-07-0	1,2-Dichloroethane-D4	84%	101%	98%	77-123%

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61904
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3631-MB	CD086319.D	1	12/09/08	JG	n/a	n/a	GCD3631

The QC reported here applies to the following samples: **Method:** SW846 8015

F61904-1, F61904-4

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	83%	56-136%
98-08-8	aaa-Trifluorotoluene	83%	61-121%

Method Blank Summary

Job Number: F61904
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3634-MB	CD086408.D	1	12/12/08	JG	n/a	n/a	GCD3634

The QC reported here applies to the following samples: **Method:** SW846 8015

F61904-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	86%	56-136%
98-08-8	aaa-Trifluorotoluene	80%	61-121%

Method Blank Summary

Job Number: F61904
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3635-MB	CD086438.D	1	12/15/08	JG	n/a	n/a	GCD3635

The QC reported here applies to the following samples: **Method:** SW846 8015

F61904-3

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	76%	56-136%
98-08-8	aaa-Trifluorotoluene	78%	61-121%

Blank Spike Summary

Job Number: F61904
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3631-BS	CD086318.D	1	12/09/08	JG	n/a	n/a	GCD3631

The QC reported here applies to the following samples: **Method:** SW846 8015

F61904-1, F61904-4

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	19.6	98	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	110%	56-136%
98-08-8	aaa-Trifluorotoluene	99%	61-121%

Blank Spike Summary

Job Number: F61904
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3634-BS	CD086407.D	1	12/12/08	JG	n/a	n/a	GCD3634

The QC reported here applies to the following samples: **Method:** SW846 8015

F61904-2

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	19.0	95	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	103%	56-136%
98-08-8	aaa-Trifluorotoluene	91%	61-121%

Blank Spike Summary

Job Number: F61904
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3635-BS	CD086437.D	1	12/15/08	JG	n/a	n/a	GCD3635

The QC reported here applies to the following samples: **Method:** SW846 8015

F61904-3

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	18.0	90	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	106%	56-136%
98-08-8	aaa-Trifluorotoluene	93%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61904
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61879-3MS	CD086326.D	1	12/09/08	JG	n/a	n/a	GCD3631
F61879-3MSD	CD086327.D	1	12/09/08	JG	n/a	n/a	GCD3631
F61879-3	CD086322.D	1	12/09/08	JG	n/a	n/a	GCD3631

The QC reported here applies to the following samples: **Method:** SW846 8015

F61904-1, F61904-4

CAS No.	Compound	F61879-3 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	4.19	J	32.2	32.2	87	33.5	91	4	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61879-3	Limits
460-00-4	4-Bromofluorobenzene	111%	115%	82%	56-136%
98-08-8	aaa-Trifluorotoluene	103%	99%	85%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61904
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62063-1MS	CD086424.D	1	12/12/08	JG	n/a	n/a	GCD3634
F62063-1MSD	CD086425.D	1	12/12/08	JG	n/a	n/a	GCD3634
F62063-1 [a]	CD086419.D	1	12/12/08	JG	n/a	n/a	GCD3634

The QC reported here applies to the following samples: **Method:** SW846 8015

F61904-2

CAS No.	Compound	F62063-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		21.5	20.7	96	20.4	95	1	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F62063-1	Limits
460-00-4	4-Bromofluorobenzene	117%	112%	85%	56-136%
98-08-8	aaa-Trifluorotoluene	100%	96%	86%	61-121%

(a) En Core samples were not preserved within 48 hours.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61904
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62060-1MS	CD086449.D	1	12/15/08	JG	n/a	n/a	GCD3635
F62060-1MSD	CD086450.D	1	12/15/08	JG	n/a	n/a	GCD3635
F62060-1 [a]	CD086452.D	1	12/15/08	JG	n/a	n/a	GCD3635

The QC reported here applies to the following samples: **Method:** SW846 8015

F61904-3

CAS No.	Compound	F62060-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		23.9	22.0	92	20.9	87	5	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F62060-1	Limits
460-00-4	4-Bromofluorobenzene	107%	103%	81%	56-136%
98-08-8	aaa-Trifluorotoluene	91%	90%	78%	61-121%

(a) En Core samples were not preserved within 48 hours.

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61904
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27325-MB	LL24438.D	1	12/10/08	NY	12/04/08	OP27325	GLL911

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61904-1, F61904-3, F61904-4, F61904-2A

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	84%	49-108%

Method Blank Summary

Job Number: F61904
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27325-MB	LL24461.D	1	12/11/08	NY	12/04/08	OP27325	GLL912

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61904-1, F61904-3, F61904-4, F61904-2A

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	81%	49-108%

Blank Spike Summary

Job Number: F61904
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27325-BS	LL24437.D	1	12/10/08	NY	12/04/08	OP27325	GLL911

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61904-1, F61904-3, F61904-4, F61904-2A

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	32.0	96	64-102
	TPH (> C22-C36)	33.3	33.2	100	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	97%	49-108%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61904
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27325-MS	LL24440.D	1	12/10/08	NY	12/04/08	OP27325	GLL911
OP27325-MSD	LL24441.D	1	12/10/08	NY	12/04/08	OP27325	GLL911
F61902-1	LL24439.D	1	12/10/08	NY	12/04/08	OP27325	GLL911

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61904-1, F61904-3, F61904-4, F61904-2A

CAS No.	Compound	F61902-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		40.9	33.1	81	32.5	79	2	64-102/32
	TPH (> C22-C36)	ND		40.9	36.2	89	38.1	92	5	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F61902-1	Limits
84-15-1	o-Terphenyl	86%	86%	79%	49-108%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/23/08

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F61932

Sampling Dates: 12/02/08 - 12/03/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **116**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Note: This report is password protected to disallow document modification or assembly.
A password to unlock this report is available from your client service representative.

Sections: 1 2 3 4 5 6 7

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **7**
3.1: F61932-1: SS61-SB37-25 8
3.2: F61932-2: SS61-SB37-28 13
3.3: F61932-2A: SS61-SB37-28 17
3.4: F61932-3: SS61-SB37-37 18
3.5: F61932-4: SS61-SB38-15 23
3.6: F61932-5: SS61-SB38-20 28
3.7: F61932-5A: SS61-SB38-20 32
3.8: F61932-6: SS61-SB38-35 33
3.9: F61932-7: SS61-SB39-25 38
3.10: F61932-8: SS61-SB39-29 43
3.11: F61932-9: SS61-SB39-35 48
3.12: F61932-10: TRIP BLANK 53
Section 4: Misc. Forms **56**
4.1: Chain of Custody 57
Section 5: GC/MS Volatiles - QC Data Summaries **59**
5.1: Method Blank Summary 60
5.2: Blank Spike Summary 72
5.3: Matrix Spike/Matrix Spike Duplicate Summary 84
Section 6: GC Volatiles - QC Data Summaries **96**
6.1: Method Blank Summary 97
6.2: Blank Spike Summary 102
6.3: Matrix Spike/Matrix Spike Duplicate Summary 107
Section 7: GC Semi-volatiles - QC Data Summaries **112**
7.1: Method Blank Summary 113
7.2: Blank Spike Summary 115
7.3: Matrix Spike/Matrix Spike Duplicate Summary 116

Sample Summary

North Wind, Inc

Job No: F61932

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F61932-1	12/02/08	12:10	GK	12/04/08	SO	Soil	SS61-SB37-25
F61932-2	12/02/08	12:20	GK	12/04/08	SO	Soil	SS61-SB37-28
F61932-2A	12/02/08	12:20	GK	12/04/08	SO	Soil	SS61-SB37-28
F61932-3	12/02/08	12:30	GK	12/04/08	SO	Soil	SS61-SB37-37
F61932-4	12/02/08	14:30	GK	12/04/08	SO	Soil	SS61-SB38-15
F61932-5	12/02/08	14:45	GK	12/04/08	SO	Soil	SS61-SB38-20
F61932-5A	12/02/08	14:45	GK	12/04/08	SO	Soil	SS61-SB38-20
F61932-6	12/02/08	15:00	GK	12/04/08	SO	Soil	SS61-SB38-35
F61932-7	12/03/08	08:00	GK	12/04/08	SO	Soil	SS61-SB39-25
F61932-8	12/03/08	08:10	GK	12/04/08	SO	Soil	SS61-SB39-29
F61932-9	12/03/08	08:20	GK	12/04/08	SO	Soil	SS61-SB39-35
F61932-10	12/02/08	00:00	GK	12/04/08	SO	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F61932

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/19/2008 3:03:08

9 Samples, 1 Trip Blank were collected on between 12/02/2008 and 12/03/2008 and received at Accutest on 12/04/2008 properly preserved, at 2 Deg. C and intact. These Samples received an Accutest job number of F61932. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2068

All samples were analyzed within the recommended method holding time.

Sample(s) F61934-1MS, F61934-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for 1,2,4-Trichlorobenzene, Acetone, Methyl ethyl ketone, Propionitrile, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for 1,1-Dichloroethylene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, 1-Chlorohexane, Acetone, Acrolein, Benzyl Chloride, Carbon disulfide, Chloroethane, Ethyl methacrylate, Freon 113, Hexachlorobutadiene, Methyl bromide, Methyl ethyl ketone, Methyl iodide, Naphthalene, Trans-1,4-Dichloro-2-Butene, Trichlorofluoromethane, Vinyl Acetate, Vinyl chloride are outside control limits. Probable cause

Matrix Spike Duplicate Recovery(s) for 1,1-Dichloroethylene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, 1-Chlorohexane, Acetone, Acrolein, Benzyl Chloride, Carbon disulfide, Chloroethane, Ethyl methacrylate, Hexachlorobutadiene, Methyl bromide, Methyl chloride, Methyl ethyl ketone, Methyl iodide, Naphthalene, Trans-1,4-Dichloro-2-Butene, Trichlorofluoromethane, Vinyl Acetate, Vinyl chloride are outside control limits. Probable cause due to matrix interference.

RPD(s) for MSD for 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, Acrolein, Freon 113, Hexachlorobutadiene are outside control limits for sample F61934-1MSD. Probable cause due to sample homogeneity.

F61932-2 for Methylene chloride: Suspected laboratory contaminant.

F61932-3 for Methylene chloride: Suspected laboratory contaminant.

Matrix: SO **Batch ID:** VG2070

All samples were analyzed within the recommended method holding time.

Sample(s) F61879-3MS, F61879-3MSD were used as the QC samples indicated.

Sample(s) F61932-6, F61932-7, F61932-9, F61932-5 have compound(s) reported with a “B” qualifier, indicating analyte is found in the associated method blank.

Blank Spike Recovery(s) for Acetone, Acrolein, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for 2-Hexanone, Acetone, Acrolein, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Propionitrile, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for Acetone, Acrolein, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

F61932-5: Methanol extract analysis required due to matrix interference.

F61932-5 for Methylene chloride: Suspected laboratory contaminant.

F61932-6 for Methylene chloride: Suspected laboratory contaminant.

F61932-7 for Methylene chloride: Suspected laboratory contaminant.

F61932-9 for Acetone: Associated BS recovery outside control limits.

F61932-9 for Methylene chloride: Suspected laboratory contaminant.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2071

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61975-4MS, F61975-4MSD were used as the QC samples indicated.

Blank Spike Recovery(s) for Acetone, Acrolein, Methyl ethyl ketone, Propionitrile, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for Acetone, Acrolein, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 2-Hexanone, Acetone, Acrolein, Benzyl Chloride, Ethyl methacrylate, Methacrylonitrile, Methyl ethyl ketone, Propionitrile, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

RPD(s) for MSD for Acetone, Acetonitrile, Acrylonitrile, Methacrylonitrile, Methyl ethyl ketone, Methyl methacrylate, Propionitrile, Vinyl Acetate are outside control limits for sample F61975-4MSD. Probable cause due to sample homogeneity.

F61932-8 for Methylene chloride: Suspected laboratory contaminant.

F61932-8 for Propionitrile: CCV outside of control limits; results may be biased low.

F61932-8 for Acetone: CCV outside of control limits; results may be biased low.

F61932-8 for Methyl ethyl ketone: CCV outside of control limits; results may be biased low.

Matrix: SO **Batch ID:** VG2073

Sample(s) F62034-1MS, F62034-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for Acetone, Acrolein, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for 1,2,3-Trichloropropane, Acetone, Acrolein, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,2,3-Trichloropropane, Acetone, Acrolein, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

F61932-4 for Methylene chloride: Suspected laboratory contaminant.

F61932-4 for Acetone: Associated BS recovery outside control limits.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GCD3631

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61879-3MS, F61879-3MSD were used as the QC samples indicated.

Sample(s) F61932-2, F61932-5 have surrogates outside control limits. Probable cause due to matrix interference.

F61932-2 for 4-Bromofluorobenzene: Outside control limits due to matrix interference.

F61932-2 for aaa-Trifluorotoluene: Outside control limits due to matrix interference.

F61932-2 for 4-Bromofluorobenzene: Result reported from PID.

F61932-2 for aaa-Trifluorotoluene: Result reported from PID.

Matrix: SO **Batch ID:** GCD3632

All samples were analyzed within the recommended method holding time.

Sample(s) F61934-1MS, F61934-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Sample(s) F61932-2, F61932-5 have surrogates outside control limits. Probable cause due to matrix interference.

F61932-5 for aaa-Trifluorotoluene: Result reported from PID.

F61932-5 for aaa-Trifluorotoluene: Outside control limits due to matrix interference.

Matrix: SO **Batch ID:** GCD3634

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F62063-1MS, F62063-1MSD were used as the QC samples indicated.

Sample(s) F61932-2, F61932-5 have surrogates outside control limits. Probable cause due to matrix interference.

Matrix: SO **Batch ID:** GCD3635

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F62060-1MS, F62060-1MSD were used as the QC samples indicated.

Sample(s) F61932-2, F61932-5 have surrogates outside control limits. Probable cause due to matrix interference.

Matrix: SO **Batch ID:** GQR1968

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61932-2, F61932-5 have surrogates outside control limits. Probable cause due to matrix interference.

Extractables by GC By Method SW846 8015 M

Matrix: SO **Batch ID:** OP27388

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61934-1MS, F61934-1MSD were used as the QC samples indicated.

Wet Chemistry By Method SM19 2540B M

Matrix: SO **Batch ID:** GN33038

Sample(s) F61932-1DUP were used as the QC samples for Solids, Percent.

Matrix: SO **Batch ID:** GN33057

Sample(s) F61932-2DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: December 19, 2008

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-SB37-25		
Lab Sample ID:	F61932-1	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054728.D	1	12/09/08	MM	12/04/08 11:40	n/a	VG2068
Run #2							

	Initial Weight
Run #1	5.53 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	56	28	ug/kg	
75-05-8	Acetonitrile	ND	56	18	ug/kg	
107-02-8	Acrolein	ND	28	11	ug/kg	
107-13-1	Acrylonitrile	ND	28	7.7	ug/kg	
107-05-1	Allyl chloride	ND	28	5.6	ug/kg	
71-43-2	Benzene	ND	5.6	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.6	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.6	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.6	1.9	ug/kg	
75-27-4	Bromodichloromethane	ND	5.6	1.3	ug/kg	
75-25-2	Bromoform	ND	5.6	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	5.6	1.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.6	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.6	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.6	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.6	2.2	ug/kg	
67-66-3	Chloroform	ND	5.6	1.9	ug/kg	
544-10-5	1-Chlorohexane	ND	5.6	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.6	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.6	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	28	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.6	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.6	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.6	2.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.6	1.5	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.6	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.6	2.7	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.6	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.6	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.6	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.6	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.6	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB37-25		
Lab Sample ID:	F61932-1	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.6	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.6	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.6	1.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.6	1.5	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	28	5.6	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.6	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.6	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.6	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.6	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.6	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.6	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	28	5.6	ug/kg	
76-13-1	Freon 113	ND	5.6	2.9	ug/kg	
591-78-6	2-Hexanone	ND	28	5.6	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.6	1.3	ug/kg	
110-54-3	Hexane	ND	5.6	2.7	ug/kg	
98-82-8	Isopropylbenzene	ND	5.6	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.6	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	28	7.2	ug/kg	
126-98-7	Methacrylonitrile	ND	28	6.2	ug/kg	
74-83-9	Methyl bromide	ND	5.6	2.5	ug/kg	
74-87-3	Methyl chloride	ND	5.6	2.7	ug/kg	
74-88-4	Methyl iodide	ND	11	2.2	ug/kg	
80-62-6	Methyl methacrylate	ND	28	5.6	ug/kg	
74-95-3	Methylene bromide	ND	5.6	1.7	ug/kg	
75-09-2	Methylene chloride	ND	11	5.6	ug/kg	
78-93-3	Methyl ethyl ketone	ND	28	9.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.6	1.7	ug/kg	
91-20-3	Naphthalene	ND	5.6	2.2	ug/kg	
76-01-7	Pentachloroethane	ND	28	5.6	ug/kg	
107-12-0	Propionitrile	ND	56	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.6	1.3	ug/kg	
100-42-5	Styrene	ND	5.6	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.6	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.6	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.6	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.6	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.6	2.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.6	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB37-25		
Lab Sample ID:	F61932-1	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.6	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.6	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.6	1.3	ug/kg	
108-88-3	Toluene	ND	5.6	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.6	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.6	2.2	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	28	5.6	ug/kg	
75-01-4	Vinyl chloride	ND	5.6	2.2	ug/kg	
108-05-4	Vinyl Acetate	ND	28	13	ug/kg	
	m,p-Xylene	ND	11	2.1	ug/kg	
95-47-6	o-Xylene	ND	5.6	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-121%
2037-26-5	Toluene-D8	91%		71-130%
460-00-4	4-Bromofluorobenzene	101%		59-148%
17060-07-0	1,2-Dichloroethane-D4	102%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB37-25		
Lab Sample ID:	F61932-1	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	80.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086343.D	1	12/09/08	JG	12/04/08 11:40	n/a	GCD3631
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.56 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.8	3.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	82%		56-136%
98-08-8	aaa-Trifluorotoluene	83%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB37-25		
Lab Sample ID:	F61932-1	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	80.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24506.D	1	12/12/08	NY	12/09/08	OP27388	GLL913
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.1	mg/kg	
	TPH (> C22-C36)	ND	10	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	79%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB37-28		
Lab Sample ID:	F61932-2	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	74.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054729.D	1	12/09/08	MM	12/04/08 11:40	n/a	VG2068
Run #2	G0054794.D	1	12/11/08	MM	12/04/08 11:40	n/a	VG2070

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.45 g		
Run #2	5.31 g	5.0 ml	100 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	62	31	ug/kg	
75-05-8	Acetonitrile	ND	62	20	ug/kg	
107-02-8	Acrolein	ND	31	12	ug/kg	
107-13-1	Acrylonitrile	ND	31	8.5	ug/kg	
107-05-1	Allyl chloride	ND	31	6.2	ug/kg	
71-43-2	Benzene	8.0	6.2	1.2	ug/kg	
100-44-7	Benzyl Chloride	ND	6.2	1.4	ug/kg	
108-86-1	Bromobenzene	ND	6.2	1.2	ug/kg	
74-97-5	Bromochloromethane	ND	6.2	2.1	ug/kg	
75-27-4	Bromodichloromethane	ND	6.2	1.5	ug/kg	
75-25-2	Bromoform	ND	6.2	1.9	ug/kg	
104-51-8	n-Butylbenzene	ND	6.2	1.7	ug/kg	
135-98-8	sec-Butylbenzene	22.0	6.2	1.4	ug/kg	
98-06-6	tert-Butylbenzene	8.9	6.2	1.4	ug/kg	
108-90-7	Chlorobenzene	ND	6.2	1.2	ug/kg	
75-00-3	Chloroethane	ND	6.2	2.5	ug/kg	
67-66-3	Chloroform	ND	6.2	2.1	ug/kg	
544-10-5	1-Chlorohexane	ND	6.2	1.6	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.2	1.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.2	1.2	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	31	12	ug/kg	
75-15-0	Carbon disulfide	1.7	6.2	1.4	ug/kg	J
56-23-5	Carbon tetrachloride	ND	6.2	1.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.2	2.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.2	1.6	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.2	1.7	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.2	3.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.2	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.2	1.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.2	1.7	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.2	1.2	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.2	2.6	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB37-28		
Lab Sample ID:	F61932-2	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	74.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	6.2	1.2	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.2	2.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.2	2.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.2	1.6	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	31	6.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.2	1.2	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.2	1.2	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.2	1.2	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.2	1.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.2	1.2	ug/kg	
100-41-4	Ethylbenzene	ND	6.2	1.2	ug/kg	
97-63-2	Ethyl methacrylate	ND	31	6.2	ug/kg	
76-13-1	Freon 113	ND	6.2	3.2	ug/kg	
591-78-6	2-Hexanone	ND	31	6.2	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.2	1.5	ug/kg	
110-54-3	Hexane	ND	6.2	3.0	ug/kg	
98-82-8	Isopropylbenzene	837 [a]	410	89	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.2	1.4	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	31	7.9	ug/kg	
126-98-7	Methacrylonitrile	ND	31	6.8	ug/kg	
74-83-9	Methyl bromide	ND	6.2	2.7	ug/kg	
74-87-3	Methyl chloride	ND	6.2	3.0	ug/kg	
74-88-4	Methyl iodide	ND	12	2.5	ug/kg	
80-62-6	Methyl methacrylate	ND	31	6.2	ug/kg	
74-95-3	Methylene bromide	ND	6.2	1.9	ug/kg	
75-09-2	Methylene chloride [b]	6.2	12	6.2	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	31	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.2	1.9	ug/kg	
91-20-3	Naphthalene	ND	6.2	2.5	ug/kg	
76-01-7	Pentachloroethane	ND	31	6.2	ug/kg	
107-12-0	Propionitrile	ND	62	15	ug/kg	
103-65-1	n-Propylbenzene	2.0	6.2	1.5	ug/kg	J
100-42-5	Styrene	ND	6.2	1.2	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.2	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.2	1.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.2	2.2	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.2	1.2	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.2	2.5	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.2	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.2	2.5	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB37-28		
Lab Sample ID:	F61932-2	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	74.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	6.2	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.2	1.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.2	1.5	ug/kg	
108-88-3	Toluene	ND	6.2	1.2	ug/kg	
79-01-6	Trichloroethylene	ND	6.2	1.5	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.2	2.5	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	31	6.2	ug/kg	
75-01-4	Vinyl chloride	ND	6.2	2.5	ug/kg	
108-05-4	Vinyl Acetate	ND	31	15	ug/kg	
	m,p-Xylene	ND	12	2.4	ug/kg	
95-47-6	o-Xylene	ND	6.2	1.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%	91%	80-121%
2037-26-5	Toluene-D8	95%	95%	71-130%
460-00-4	4-Bromofluorobenzene	97%	92%	59-148%
17060-07-0	1,2-Dichloroethane-D4	102%	99%	77-123%

(a) Result is from Run# 2
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB37-28		
Lab Sample ID:	F61932-2	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	74.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086323.D	1	12/09/08	JG	12/04/08 11:40	n/a	GCD3631
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.31 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	53.5	8.1	4.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	92% [a]		56-136%
460-00-4	4-Bromofluorobenzene	181% [b]		56-136%
98-08-8	aaa-Trifluorotoluene	93% [a]		61-121%
98-08-8	aaa-Trifluorotoluene	131% [b]		61-121%

(a) Result reported from PID.
(b) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB37-28		
Lab Sample ID:	F61932-2A	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	74.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24566.D	1	12/17/08	NY	12/09/08	OP27388	GLL916
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	11	6.7	mg/kg	
	TPH (> C22-C36)	ND	11	6.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	78%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB37-37		
Lab Sample ID:	F61932-3	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054730.D	1	12/09/08	MM	12/04/08 11:40	n/a	VG2068
Run #2							

	Initial Weight
Run #1	5.37 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	56	28	ug/kg	
75-05-8	Acetonitrile	ND	56	18	ug/kg	
107-02-8	Acrolein	ND	28	11	ug/kg	
107-13-1	Acrylonitrile	ND	28	7.7	ug/kg	
107-05-1	Allyl chloride	ND	28	5.6	ug/kg	
71-43-2	Benzene	ND	5.6	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.6	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.6	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.6	1.9	ug/kg	
75-27-4	Bromodichloromethane	ND	5.6	1.3	ug/kg	
75-25-2	Bromoform	ND	5.6	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	5.6	1.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.6	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.6	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.6	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.6	2.2	ug/kg	
67-66-3	Chloroform	ND	5.6	1.9	ug/kg	
544-10-5	1-Chlorohexane	ND	5.6	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.6	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.6	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	28	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.6	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.6	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.6	2.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.6	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.6	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.6	2.7	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.6	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.6	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.6	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.6	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.6	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB37-37		
Lab Sample ID:	F61932-3	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.6	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.6	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.6	1.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.6	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	28	5.6	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.6	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.6	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.6	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.6	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.6	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.6	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	28	5.6	ug/kg	
76-13-1	Freon 113	ND	5.6	2.9	ug/kg	
591-78-6	2-Hexanone	ND	28	5.6	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.6	1.3	ug/kg	
110-54-3	Hexane	ND	5.6	2.7	ug/kg	
98-82-8	Isopropylbenzene	4.0	5.6	1.2	ug/kg	J
99-87-6	p-Isopropyltoluene	ND	5.6	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	28	7.1	ug/kg	
126-98-7	Methacrylonitrile	ND	28	6.1	ug/kg	
74-83-9	Methyl bromide	ND	5.6	2.5	ug/kg	
74-87-3	Methyl chloride	ND	5.6	2.7	ug/kg	
74-88-4	Methyl iodide	ND	11	2.2	ug/kg	
80-62-6	Methyl methacrylate	ND	28	5.6	ug/kg	
74-95-3	Methylene bromide	ND	5.6	1.7	ug/kg	
75-09-2	Methylene chloride [a]	6.4	11	5.6	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	28	9.2	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.6	1.7	ug/kg	
91-20-3	Naphthalene	ND	5.6	2.2	ug/kg	
76-01-7	Pentachloroethane	ND	28	5.6	ug/kg	
107-12-0	Propionitrile	ND	56	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.6	1.3	ug/kg	
100-42-5	Styrene	ND	5.6	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.6	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.6	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.6	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.6	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.6	2.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.6	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB37-37		
Lab Sample ID:	F61932-3	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.6	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.6	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.6	1.3	ug/kg	
108-88-3	Toluene	ND	5.6	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.6	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.6	2.2	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	28	5.6	ug/kg	
75-01-4	Vinyl chloride	ND	5.6	2.2	ug/kg	
108-05-4	Vinyl Acetate	ND	28	13	ug/kg	
	m,p-Xylene	ND	11	2.1	ug/kg	
95-47-6	o-Xylene	ND	5.6	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-121%
2037-26-5	Toluene-D8	90%		71-130%
460-00-4	4-Bromofluorobenzene	94%		59-148%
17060-07-0	1,2-Dichloroethane-D4	105%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB37-37		
Lab Sample ID:	F61932-3	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	83.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086454.D	1	12/15/08	JG	12/04/08 11:40	n/a	GCD3635
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.44 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.5	3.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	65%		56-136%
98-08-8	aaa-Trifluorotoluene	73%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB37-37		
Lab Sample ID:	F61932-3	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	83.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24509.D	1	12/12/08	NY	12/09/08	OP27388	GLL913
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.7	5.8	mg/kg	
	TPH (> C22-C36)	ND	9.7	5.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	82%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB38-15		
Lab Sample ID:	F61932-4	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054881.D	1	12/16/08	MM	12/04/08 12:09	n/a	VG2073
Run #2							

	Initial Weight
Run #1	5.78 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	38.6	53	26	ug/kg	J
75-05-8	Acetonitrile	ND	53	17	ug/kg	
107-02-8	Acrolein	ND	26	10	ug/kg	
107-13-1	Acrylonitrile	ND	26	7.3	ug/kg	
107-05-1	Allyl chloride	ND	26	5.3	ug/kg	
71-43-2	Benzene	ND	5.3	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.3	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.3	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.3	1.8	ug/kg	
75-27-4	Bromodichloromethane	ND	5.3	1.3	ug/kg	
75-25-2	Bromoform	ND	5.3	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	5.3	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.3	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.3	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.3	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.3	2.1	ug/kg	
67-66-3	Chloroform	ND	5.3	1.8	ug/kg	
544-10-5	1-Chlorohexane	ND	5.3	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.3	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.3	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	26	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.3	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.3	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.3	2.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.3	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.3	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.3	2.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.3	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.3	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.3	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.3	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.3	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB38-15		
Lab Sample ID:	F61932-4	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.3	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.3	2.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.3	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.3	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	26	5.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.3	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.3	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.3	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.3	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.3	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.3	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	26	5.3	ug/kg	
76-13-1	Freon 113	ND	5.3	2.7	ug/kg	
591-78-6	2-Hexanone	ND	26	5.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.3	1.3	ug/kg	
110-54-3	Hexane	ND	5.3	2.5	ug/kg	
98-82-8	Isopropylbenzene	ND	5.3	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.3	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	26	6.8	ug/kg	
126-98-7	Methacrylonitrile	ND	26	5.8	ug/kg	
74-83-9	Methyl bromide	ND	5.3	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.3	2.5	ug/kg	
74-88-4	Methyl iodide	ND	11	2.1	ug/kg	
80-62-6	Methyl methacrylate	ND	26	5.3	ug/kg	
74-95-3	Methylene bromide	ND	5.3	1.6	ug/kg	
75-09-2	Methylene chloride [b]	8.4	11	5.3	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	26	8.8	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.3	1.6	ug/kg	
91-20-3	Naphthalene	ND	5.3	2.1	ug/kg	
76-01-7	Pentachloroethane	ND	26	5.3	ug/kg	
107-12-0	Propionitrile	ND	53	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.3	1.3	ug/kg	
100-42-5	Styrene	ND	5.3	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.3	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.3	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.3	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.3	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.3	2.1	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.3	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.3	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB38-15		
Lab Sample ID:	F61932-4	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.3	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.3	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.3	1.3	ug/kg	
108-88-3	Toluene	ND	5.3	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.3	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.3	2.1	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	26	5.3	ug/kg	
75-01-4	Vinyl chloride	ND	5.3	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	26	13	ug/kg	
	m,p-Xylene	ND	11	2.0	ug/kg	
95-47-6	o-Xylene	ND	5.3	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-121%
2037-26-5	Toluene-D8	96%		71-130%
460-00-4	4-Bromofluorobenzene	98%		59-148%
17060-07-0	1,2-Dichloroethane-D4	104%		77-123%

(a) Associated BS recovery outside control limits.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB38-15		
Lab Sample ID:	F61932-4	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	81.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086330.D	1	12/09/08	JG	12/04/08 12:09	n/a	GCD3631
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.30 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.9	3.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	85%		56-136%
98-08-8	aaa-Trifluorotoluene	84%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB38-15		
Lab Sample ID:	F61932-4	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	81.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24510.D	1	12/12/08	NY	12/09/08	OP27388	GLL913
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.1	mg/kg	
	TPH (> C22-C36)	ND	10	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	79%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB38-20		
Lab Sample ID:	F61932-5	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	76.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054795.D	1	12/11/08	MM	12/04/08 12:09	n/a	VG2070
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.59 g	5.0 ml	10.0 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	37000	19000	ug/kg	
75-05-8	Acetonitrile	ND	37000	12000	ug/kg	
107-02-8	Acrolein	ND	19000	7300	ug/kg	
107-13-1	Acrylonitrile	ND	19000	5100	ug/kg	
107-05-1	Allyl chloride	ND	19000	3700	ug/kg	
71-43-2	Benzene	1240	3700	740	ug/kg	J
100-44-7	Benzyl Chloride	ND	3700	820	ug/kg	
108-86-1	Bromobenzene	ND	3700	740	ug/kg	
74-97-5	Bromochloromethane	ND	3700	1300	ug/kg	
75-27-4	Bromodichloromethane	ND	3700	890	ug/kg	
75-25-2	Bromoform	ND	3700	1100	ug/kg	
104-51-8	n-Butylbenzene	ND	3700	1000	ug/kg	
135-98-8	sec-Butylbenzene	2250	3700	820	ug/kg	J
98-06-6	tert-Butylbenzene	871	3700	820	ug/kg	J
108-90-7	Chlorobenzene	ND	3700	740	ug/kg	
75-00-3	Chloroethane	ND	3700	1500	ug/kg	
67-66-3	Chloroform	ND	3700	1300	ug/kg	
544-10-5	1-Chlorohexane	ND	3700	970	ug/kg	
95-49-8	o-Chlorotoluene	ND	3700	740	ug/kg	
106-43-4	p-Chlorotoluene	ND	3700	740	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	19000	7400	ug/kg	
75-15-0	Carbon disulfide	ND	3700	820	ug/kg	
56-23-5	Carbon tetrachloride	ND	3700	1000	ug/kg	
75-34-3	1,1-Dichloroethane	ND	3700	1500	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	3700	970	ug/kg	
563-58-6	1,1-Dichloropropene	ND	3700	1000	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	3700	1800	ug/kg	
106-93-4	1,2-Dibromoethane	ND	3700	740	ug/kg	
107-06-2	1,2-Dichloroethane	ND	3700	820	ug/kg	
78-87-5	1,2-Dichloropropane	ND	3700	1000	ug/kg	
142-28-9	1,3-Dichloropropane	ND	3700	740	ug/kg	
594-20-7	2,2-Dichloropropane	ND	3700	1600	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB38-20		
Lab Sample ID:	F61932-5	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	76.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	3700	740	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	3700	1500	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	3700	1200	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3700	970	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	19000	3700	ug/kg	
541-73-1	m-Dichlorobenzene	ND	3700	740	ug/kg	
95-50-1	o-Dichlorobenzene	ND	3700	740	ug/kg	
106-46-7	p-Dichlorobenzene	ND	3700	740	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	3700	890	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3700	740	ug/kg	
100-41-4	Ethylbenzene	ND	3700	740	ug/kg	
97-63-2	Ethyl methacrylate	ND	19000	3700	ug/kg	
76-13-1	Freon 113	ND	3700	1900	ug/kg	
591-78-6	2-Hexanone	ND	19000	3700	ug/kg	
87-68-3	Hexachlorobutadiene	ND	3700	890	ug/kg	
110-54-3	Hexane	ND	3700	1800	ug/kg	
98-82-8	Isopropylbenzene	68000	3700	820	ug/kg	
99-87-6	p-Isopropyltoluene	ND	3700	820	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	19000	4800	ug/kg	
126-98-7	Methacrylonitrile	ND	19000	4100	ug/kg	
74-83-9	Methyl bromide	ND	3700	1600	ug/kg	
74-87-3	Methyl chloride	ND	3700	1800	ug/kg	
74-88-4	Methyl iodide	ND	7400	1500	ug/kg	
80-62-6	Methyl methacrylate	ND	19000	3700	ug/kg	
74-95-3	Methylene bromide	ND	3700	1100	ug/kg	
75-09-2	Methylene chloride [b]	6770	7400	3700	ug/kg	JB
78-93-3	Methyl ethyl ketone	ND	19000	6200	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	3700	1100	ug/kg	
91-20-3	Naphthalene	ND	3700	1500	ug/kg	
76-01-7	Pentachloroethane	ND	19000	3700	ug/kg	
107-12-0	Propionitrile	ND	37000	8900	ug/kg	
103-65-1	n-Propylbenzene	ND	3700	890	ug/kg	
100-42-5	Styrene	ND	3700	740	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	3700	740	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	3700	820	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3700	1300	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	3700	740	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	3700	1500	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	3700	1400	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	3700	1500	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB38-20		
Lab Sample ID:	F61932-5	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	76.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	3700	740	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	3700	740	ug/kg	
127-18-4	Tetrachloroethylene	ND	3700	890	ug/kg	
108-88-3	Toluene	ND	3700	740	ug/kg	
79-01-6	Trichloroethylene	ND	3700	890	ug/kg	
75-69-4	Trichlorofluoromethane	ND	3700	1500	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	19000	3700	ug/kg	
75-01-4	Vinyl chloride	ND	3700	1500	ug/kg	
108-05-4	Vinyl Acetate	ND	19000	8900	ug/kg	
	m,p-Xylene	ND	7400	1400	ug/kg	
95-47-6	o-Xylene	ND	3700	740	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-121%
2037-26-5	Toluene-D8	93%		71-130%
460-00-4	4-Bromofluorobenzene	93%		59-148%
17060-07-0	1,2-Dichloroethane-D4	102%		77-123%

(a) Methanol extract analysis required due to matrix interference.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB38-20		
Lab Sample ID:	F61932-5	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	76.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086368.D	1	12/10/08	JG	12/04/08 12:09	n/a	GCD3632
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.59 g	5.0 ml	5.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1310	150	74	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	107%		56-136%
98-08-8	aaa-Trifluorotoluene	93% [a]		61-121%
98-08-8	aaa-Trifluorotoluene	131% [b]		61-121%

(a) Result reported from PID.
(b) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB38-20		
Lab Sample ID:	F61932-5A	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	76.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24567.D	4	12/17/08	NY	12/09/08	OP27388	GLL916
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	294	43	26	mg/kg	
	TPH (> C22-C36)	33.4	43	26	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	94%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB38-35		
Lab Sample ID:	F61932-6	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054796.D	1	12/11/08	MM	12/04/08 12:09	n/a	VG2070
Run #2							

	Initial Weight
Run #1	5.29 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	57	28	ug/kg	
75-05-8	Acetonitrile	ND	57	18	ug/kg	
107-02-8	Acrolein	ND	28	11	ug/kg	
107-13-1	Acrylonitrile	ND	28	7.8	ug/kg	
107-05-1	Allyl chloride	ND	28	5.7	ug/kg	
71-43-2	Benzene	ND	5.7	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.7	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.7	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.7	1.9	ug/kg	
75-27-4	Bromodichloromethane	ND	5.7	1.4	ug/kg	
75-25-2	Bromoform	ND	5.7	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	5.7	1.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.7	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.7	1.2	ug/kg	
108-90-7	Chlorobenzene	1.6	5.7	1.1	ug/kg	J
75-00-3	Chloroethane	ND	5.7	2.3	ug/kg	
67-66-3	Chloroform	ND	5.7	1.9	ug/kg	
544-10-5	1-Chlorohexane	ND	5.7	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.7	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.7	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	28	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.7	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.7	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.7	2.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.7	1.5	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.7	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.7	2.7	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.7	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.7	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.7	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.7	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.7	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB38-35		
Lab Sample ID:	F61932-6	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.7	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.7	2.3	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.7	1.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.7	1.5	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	28	5.7	ug/kg	
541-73-1	m-Dichlorobenzene	16.0	5.7	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	61.3	5.7	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	21.2	5.7	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.7	1.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.7	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.7	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	28	5.7	ug/kg	
76-13-1	Freon 113	ND	5.7	3.0	ug/kg	
591-78-6	2-Hexanone	16.5	28	5.7	ug/kg	J
87-68-3	Hexachlorobutadiene	ND	5.7	1.4	ug/kg	
110-54-3	Hexane	ND	5.7	2.7	ug/kg	
98-82-8	Isopropylbenzene	ND	5.7	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.7	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	28	7.3	ug/kg	
126-98-7	Methacrylonitrile	ND	28	6.2	ug/kg	
74-83-9	Methyl bromide	ND	5.7	2.5	ug/kg	
74-87-3	Methyl chloride	ND	5.7	2.7	ug/kg	
74-88-4	Methyl iodide	ND	11	2.3	ug/kg	
80-62-6	Methyl methacrylate	ND	28	5.7	ug/kg	
74-95-3	Methylene bromide	ND	5.7	1.7	ug/kg	
75-09-2	Methylene chloride [a]	12.7	11	5.7	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	28	9.4	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.7	1.7	ug/kg	
91-20-3	Naphthalene	ND	5.7	2.3	ug/kg	
76-01-7	Pentachloroethane	ND	28	5.7	ug/kg	
107-12-0	Propionitrile	ND	57	14	ug/kg	
103-65-1	n-Propylbenzene	ND	5.7	1.4	ug/kg	
100-42-5	Styrene	ND	5.7	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.7	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.7	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.7	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.7	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.7	2.3	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.7	2.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.7	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB38-35		
Lab Sample ID:	F61932-6	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.7	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.7	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.7	1.4	ug/kg	
108-88-3	Toluene	ND	5.7	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.7	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.7	2.3	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	28	5.7	ug/kg	
75-01-4	Vinyl chloride	ND	5.7	2.3	ug/kg	
108-05-4	Vinyl Acetate	ND	28	14	ug/kg	
	m,p-Xylene	ND	11	2.2	ug/kg	
95-47-6	o-Xylene	ND	5.7	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-121%
2037-26-5	Toluene-D8	94%		71-130%
460-00-4	4-Bromofluorobenzene	93%		59-148%
17060-07-0	1,2-Dichloroethane-D4	105%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB38-35		
Lab Sample ID:	F61932-6	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	83.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086413.D	1	12/12/08	JG	12/04/08 12:09	n/a	GCD3634
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.50 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.5	3.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	88%		56-136%
98-08-8	aaa-Trifluorotoluene	81%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB38-35		
Lab Sample ID:	F61932-6	**Date Sampled:**	12/02/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	83.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24511.D	1	12/12/08	NY	12/09/08	OP27388	GLL913
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.9	5.9	mg/kg	
	TPH (> C22-C36)	ND	9.9	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB39-25		
Lab Sample ID:	F61932-7	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054797.D	1	12/11/08	MM	12/04/08 12:09	n/a	VG2070
Run #2							

	Initial Weight
Run #1	6.16 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	47	23	ug/kg	
75-05-8	Acetonitrile	ND	47	15	ug/kg	
107-02-8	Acrolein	ND	23	9.2	ug/kg	
107-13-1	Acrylonitrile	ND	23	6.5	ug/kg	
107-05-1	Allyl chloride	ND	23	4.7	ug/kg	
71-43-2	Benzene	ND	4.7	0.94	ug/kg	
100-44-7	Benzyl Chloride	ND	4.7	1.0	ug/kg	
108-86-1	Bromobenzene	ND	4.7	0.94	ug/kg	
74-97-5	Bromochloromethane	ND	4.7	1.6	ug/kg	
75-27-4	Bromodichloromethane	ND	4.7	1.1	ug/kg	
75-25-2	Bromoform	ND	4.7	1.4	ug/kg	
104-51-8	n-Butylbenzene	ND	4.7	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	4.7	1.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	4.7	1.0	ug/kg	
108-90-7	Chlorobenzene	ND	4.7	0.94	ug/kg	
75-00-3	Chloroethane	ND	4.7	1.9	ug/kg	
67-66-3	Chloroform	ND	4.7	1.6	ug/kg	
544-10-5	1-Chlorohexane	ND	4.7	1.2	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.7	0.94	ug/kg	
106-43-4	p-Chlorotoluene	ND	4.7	0.94	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	23	9.4	ug/kg	
75-15-0	Carbon disulfide	ND	4.7	1.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.7	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.7	1.9	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.7	1.2	ug/kg	
563-58-6	1,1-Dichloropropene	ND	4.7	1.3	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.7	2.2	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4.7	0.94	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.7	1.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.7	1.3	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4.7	0.94	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4.7	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB39-25		
Lab Sample ID:	F61932-7	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	4.7	0.94	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.7	1.9	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.7	1.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.7	1.2	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	23	4.7	ug/kg	
541-73-1	m-Dichlorobenzene	ND	4.7	0.94	ug/kg	
95-50-1	o-Dichlorobenzene	ND	4.7	0.94	ug/kg	
106-46-7	p-Dichlorobenzene	ND	4.7	0.94	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	4.7	1.1	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.7	0.94	ug/kg	
100-41-4	Ethylbenzene	ND	4.7	0.94	ug/kg	
97-63-2	Ethyl methacrylate	ND	23	4.7	ug/kg	
76-13-1	Freon 113	ND	4.7	2.4	ug/kg	
591-78-6	2-Hexanone	ND	23	4.7	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.7	1.1	ug/kg	
110-54-3	Hexane	ND	4.7	2.2	ug/kg	
98-82-8	Isopropylbenzene	ND	4.7	1.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	4.7	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	23	6.0	ug/kg	
126-98-7	Methacrylonitrile	ND	23	5.2	ug/kg	
74-83-9	Methyl bromide	ND	4.7	2.1	ug/kg	
74-87-3	Methyl chloride	ND	4.7	2.2	ug/kg	
74-88-4	Methyl iodide	ND	9.4	1.9	ug/kg	
80-62-6	Methyl methacrylate	ND	23	4.7	ug/kg	
74-95-3	Methylene bromide	ND	4.7	1.4	ug/kg	
75-09-2	Methylene chloride [a]	14.7	9.4	4.7	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	23	7.8	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.7	1.4	ug/kg	
91-20-3	Naphthalene	ND	4.7	1.9	ug/kg	
76-01-7	Pentachloroethane	ND	23	4.7	ug/kg	
107-12-0	Propionitrile	ND	47	11	ug/kg	
103-65-1	n-Propylbenzene	ND	4.7	1.1	ug/kg	
100-42-5	Styrene	ND	4.7	0.94	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.7	0.94	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.7	1.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.7	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.7	0.94	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.7	1.9	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.7	1.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	1.9	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB39-25		
Lab Sample ID:	F61932-7	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	4.7	0.94	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.7	0.94	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.7	1.1	ug/kg	
108-88-3	Toluene	ND	4.7	0.94	ug/kg	
79-01-6	Trichloroethylene	ND	4.7	1.1	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.7	1.9	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	23	4.7	ug/kg	
75-01-4	Vinyl chloride	ND	4.7	1.9	ug/kg	
108-05-4	Vinyl Acetate	ND	23	11	ug/kg	
	m,p-Xylene	ND	9.4	1.8	ug/kg	
95-47-6	o-Xylene	ND	4.7	0.94	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-121%
2037-26-5	Toluene-D8	95%		71-130%
460-00-4	4-Bromofluorobenzene	96%		59-148%
17060-07-0	1,2-Dichloroethane-D4	101%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB39-25		
Lab Sample ID:	F61932-7	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	86.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086333.D	1	12/09/08	JG	12/04/08 12:09	n/a	GCD3631
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.03 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.6	2.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	88%		56-136%
98-08-8	aaa-Trifluorotoluene	82%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB39-25		
Lab Sample ID:	F61932-7	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	86.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24512.D	1	12/12/08	NY	12/09/08	OP27388	GLL913
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.4	5.6	mg/kg	
	TPH (> C22-C36)	ND	9.4	5.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	82%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB39-29		
Lab Sample ID:	F61932-8	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054814.D	1	12/12/08	MM	12/04/08 12:09	n/a	VG2071
Run #2							

	Initial Weight
Run #1	5.92 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	37.6	50	25	ug/kg	J
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.9	ug/kg	
107-13-1	Acrylonitrile	ND	25	7.0	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	10.2	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	2.3	5.0	1.1	ug/kg	J
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB39-29		
Lab Sample ID:	F61932-8	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.5	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride [b]	11.3	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone [a]	ND	25	8.4	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile [a]	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB39-29		
Lab Sample ID:	F61932-8	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		80-121%
2037-26-5	Toluene-D8	103%		71-130%
460-00-4	4-Bromofluorobenzene	84%		59-148%
17060-07-0	1,2-Dichloroethane-D4	99%		77-123%

(a) CCV outside of control limits; results may be biased low.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB39-29		
Lab Sample ID:	F61932-8	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	83.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045273.D	1	12/16/08	AH	12/04/08 12:09	n/a	GQR1968
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.63 g	5.0 ml	2.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	2840	310	160	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	92%		56-136%
98-08-8	aaa-Trifluorotoluene	116%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB39-29		
Lab Sample ID:	F61932-8	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	83.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24513.D	1	12/12/08	NY	12/09/08	OP27388	GLL913
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.9	5.9	mg/kg	
	TPH (> C22-C36)	ND	9.9	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	79%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB39-35		
Lab Sample ID:	F61932-9	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054799.D	1	12/11/08	MM	12/04/08 12:09	n/a	VG2070
Run #2							

	Initial Weight
Run #1	5.80 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	58.8	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB39-35		
Lab Sample ID:	F61932-9	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride [b]	11.1	10	5.0	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB39-35		
Lab Sample ID:	F61932-9	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-121%
2037-26-5	Toluene-D8	95%		71-130%
460-00-4	4-Bromofluorobenzene	101%		59-148%
17060-07-0	1,2-Dichloroethane-D4	100%		77-123%

(a) Associated BS recovery outside control limits.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB39-35		
Lab Sample ID:	F61932-9	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	86.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086414.D	1	12/12/08	JG	12/04/08 12:09	n/a	GCD3634
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.73 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.8	2.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	85%		56-136%
98-08-8	aaa-Trifluorotoluene	81%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB39-35		
Lab Sample ID:	F61932-9	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	86.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24514.D	1	12/12/08	NY	12/09/08	OP27388	GLL913
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.6	5.8	mg/kg	
	TPH (> C22-C36)	ND	9.6	5.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	78%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61932-10	**Date Sampled:**	12/02/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/04/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054800.D	1	12/11/08	MM	n/a	n/a	VG2070
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61932-10	**Date Sampled:**	12/02/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/04/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61932-10	**Date Sampled:**	12/02/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/04/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-121%
2037-26-5	Toluene-D8	96%		71-130%
460-00-4	4-Bromofluorobenzene	97%		59-148%
17060-07-0	1,2-Dichloroethane-D4	101%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

BHATE

Environmental Engineers and Scientists

F61932

Chain of Custody and Analytical Request

Page 1 of 1

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number [1]: 12-03-2008-2

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Greg Kinsman / Zachary Beck

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)						Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
	Sample Analysis Requested [5]																		**Quality Assurance Samples [6]**			
1	SS61-SB37-25	SS61-SB37	02-Dec-2008	1218	23 - 25	N	01	SO	5	X	X	X										2
2*	SS61-SB37-28	SS61-SB37	02-Dec-2008	1220	26 - 28	N	01	SO	5	X	X	X										2
3	SS61-SB37-37	SS61-SB37	02-Dec-2008	1230	35 - 37	N	01	SO	5	X	X	X										2
4	SS61-SB38-15	SS61-SB38	02-Dec-2008	1430	13 - 15	N	01	SO	5	X	X	X										2
5*	SS61-SB38-20	SS61-SB38	02-Dec-2008	1445	18 - 20	N	01	SO	5	X	X	X										2
6	SS61-SB38-35	SS61-SB38	02-Dec-2008	1500	33 - 35	N	01	SO	5	X	X	X										2
7	SS61-SB39-25	SS61-SB39	03-Dec-2008	0800	23 - 25	N	01	SO	5	X	X	X										2
8	SS61-SB39-29	SS61-SB39	03-Dec-2008	0810	27 - 29	N	01	SO	5	X	X	X										2
9	SS61-SB39-35	SS61-SB39	03-Dec-2008	0820	33 - 35	N	01	SO	5	X	X	X										2
10	Trip Blank				-	TB		WQ	3	X												2
					-																	

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

*Rush VOC and GRO analysis on samples: SS61-SB37-28 and SS61-SB39-20

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time		Received by (signed)	Date	Time
1.		12/3/08	1400	1.		12.4.08	10:30
2.				2.			
3.				3.			

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: _____ Shipped No.: _____

Method of Shipment: _____ Airbill Number: _____

Analytical Lab: Accutest Laboratories Delivery Location: _____

Lab Recipient: _____ Delivery Date/Time: _____

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WQ = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

20

F61932: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61932 CLIENT: Blate PROJECT: SS-61

DATE/TIME RECEIVED: 12.4.08 10:30 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.0

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8668 3474 8661

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [X] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 36

NUMBER OF 5035 FIELD KITS ? TA

NUMBER OF LAB FILTERED METALS ? 8

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE E.T. 12.4.08 TECHNICIAN SIGNATURE/DATE JC 12-4-08 ASBD 12/17/07

4.1 4

F61932: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2068-MB	G0054709.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61932-1, F61932-2, F61932-3

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2068-MB	G0054709.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61932-1, F61932-2, F61932-3

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	1.2	5.0	1.2	ug/kg	J
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2068-MB	G0054709.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61932-1, F61932-2, F61932-3

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	1.4	5.0	1.0	ug/kg	J
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	80-121%
2037-26-5	Toluene-D8	91%	71-130%
460-00-4	4-Bromofluorobenzene	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	104%	77-123%

Method Blank Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2070-MB	G0054786.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61932-2, F61932-5, F61932-6, F61932-7, F61932-9, F61932-10

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2070-MB	G0054786.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61932-2, F61932-5, F61932-6, F61932-7, F61932-9, F61932-10

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	5.7	10	5.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2070-MB	G0054786.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61932-2, F61932-5, F61932-6, F61932-7, F61932-9, F61932-10

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	97%	80-121%
2037-26-5	Toluene-D8	95%	71-130%
460-00-4	4-Bromofluorobenzene	100%	59-148%
17060-07-0	1,2-Dichloroethane-D4	101%	77-123%

Method Blank Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2071-MB	G0054811.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61932-8

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2071-MB	G0054811.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61932-8

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2071-MB	G0054811.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61932-8

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	80-121%
2037-26-5	Toluene-D8	91%	71-130%
460-00-4	4-Bromofluorobenzene	92%	59-148%
17060-07-0	1,2-Dichloroethane-D4	100%	77-123%

Method Blank Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2073-MB	G0054875.D	1	12/16/08	MM	n/a	n/a	VG2073

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61932-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2073-MB	G0054875.D	1	12/16/08	MM	n/a	n/a	VG2073

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61932-4

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2073-MB	G0054875.D	1	12/16/08	MM	n/a	n/a	VG2073

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61932-4

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	80-121%
2037-26-5	Toluene-D8	94%	71-130%
460-00-4	4-Bromofluorobenzene	103%	59-148%
17060-07-0	1,2-Dichloroethane-D4	107%	77-123%

Blank Spike Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2068-BS	G0054708.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61932-1, F61932-2, F61932-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	96.2	38*	61-144
75-05-8	Acetonitrile	500	391	78	59-139
107-02-8	Acrolein	250	67.9	27	27-156
107-13-1	Acrylonitrile	250	264	106	55-144
107-05-1	Allyl chloride	50	45.3	91	41-152
71-43-2	Benzene	50	47.4	95	78-130
100-44-7	Benzyl Chloride	50	42.2	84	74-130
108-86-1	Bromobenzene	50	49.2	98	78-123
74-97-5	Bromochloromethane	50	40.3	81	72-122
75-27-4	Bromodichloromethane	50	43.6	87	73-122
75-25-2	Bromoform	50	40.4	81	70-139
104-51-8	n-Butylbenzene	50	54.4	109	80-138
135-98-8	sec-Butylbenzene	50	52.5	105	82-132
98-06-6	tert-Butylbenzene	50	50.7	101	79-130
108-90-7	Chlorobenzene	50	47.4	95	83-122
75-00-3	Chloroethane	50	40.0	80	61-153
67-66-3	Chloroform	50	47.7	95	79-129
544-10-5	1-Chlorohexane	50	42.5	85	85-137
95-49-8	o-Chlorotoluene	50	50.5	101	77-123
106-43-4	p-Chlorotoluene	50	50.9	102	78-129
110-75-8	2-Chloroethyl vinyl ether	250	259	104	52-142
75-15-0	Carbon disulfide	50	36.6	73	61-142
56-23-5	Carbon tetrachloride	50	45.7	91	79-135
75-34-3	1,1-Dichloroethane	50	46.7	93	77-132
75-35-4	1,1-Dichloroethylene	50	41.8	84	66-132
563-58-6	1,1-Dichloropropene	50	45.0	90	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	39.0	78	67-129
106-93-4	1,2-Dibromoethane	50	41.5	83	77-126
107-06-2	1,2-Dichloroethane	50	41.4	83	78-129
78-87-5	1,2-Dichloropropane	50	46.1	92	74-127
142-28-9	1,3-Dichloropropane	50	43.4	87	78-118
594-20-7	2,2-Dichloropropane	50	52.5	105	80-137
124-48-1	Dibromochloromethane	50	39.1	78	78-117
75-71-8	Dichlorodifluoromethane	50	29.0	58	35-162
156-59-2	cis-1,2-Dichloroethylene	50	45.3	91	74-123
10061-01-5	cis-1,3-Dichloropropene	50	46.6	93	79-130

Blank Spike Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2068-BS	G0054708.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61932-1, F61932-2, F61932-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	41.8	84	71-126
541-73-1	m-Dichlorobenzene	50	48.6	97	82-126
95-50-1	o-Dichlorobenzene	50	48.8	98	83-123
106-46-7	p-Dichlorobenzene	50	50.6	101	84-124
156-60-5	trans-1,2-Dichloroethylene	50	44.1	88	77-129
10061-02-6	trans-1,3-Dichloropropene	50	49.4	99	87-131
100-41-4	Ethylbenzene	50	47.9	96	82-124
97-63-2	Ethyl methacrylate	50	39.6	79	78-118
76-13-1	Freon 113	50	32.7	65	62-147
591-78-6	2-Hexanone	250	186	74	67-130
87-68-3	Hexachlorobutadiene	50	47.1	94	77-150
110-54-3	Hexane	50	50.0	100	65-147
98-82-8	Isopropylbenzene	50	50.5	101	82-133
99-87-6	p-Isopropyltoluene	50	53.4	107	82-132
108-10-1	4-Methyl-2-pentanone	250	211	84	69-125
126-98-7	Methacrylonitrile	500	355	71	70-138
74-83-9	Methyl bromide	50	40.2	80	60-146
74-87-3	Methyl chloride	50	39.9	80	58-163
74-88-4	Methyl iodide	50	36.8	74	66-128
80-62-6	Methyl methacrylate	50	37.6	75	73-125
74-95-3	Methylene bromide	50	42.4	85	75-128
75-09-2	Methylene chloride	50	46.4	93	62-140
78-93-3	Methyl ethyl ketone	250	142	57*	66-134
1634-04-4	Methyl Tert Butyl Ether	50	41.3	83	70-131
91-20-3	Naphthalene	50	36.1	72	59-143
76-01-7	Pentachloroethane	50	47.0	94	64-156
107-12-0	Propionitrile	500	335	67*	73-133
103-65-1	n-Propylbenzene	50	51.7	103	78-129
100-42-5	Styrene	50	48.7	97	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	45.6	91	81-121
71-55-6	1,1,1-Trichloroethane	50	45.6	91	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	45.2	90	70-128
79-00-5	1,1,2-Trichloroethane	50	42.3	85	76-118
87-61-6	1,2,3-Trichlorobenzene	50	40.2	80	78-136
96-18-4	1,2,3-Trichloropropane	50	39.9	80	74-125
120-82-1	1,2,4-Trichlorobenzene	50	33.9	68*	82-137

Blank Spike Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2068-BS	G0054708.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61932-1, F61932-2, F61932-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	51.8	104	77-129
108-67-8	1,3,5-Trimethylbenzene	50	50.5	101	79-129
127-18-4	Tetrachloroethylene	50	47.9	96	79-132
108-88-3	Toluene	50	46.9	94	80-123
79-01-6	Trichloroethylene	50	45.0	90	78-132
75-69-4	Trichlorofluoromethane	50	40.0	80	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	93.9	188*	74-138
75-01-4	Vinyl chloride	50	37.2	74	60-145
108-05-4	Vinyl Acetate	250	337	135	25-164
	m,p-Xylene	100	98.5	99	82-128
95-47-6	o-Xylene	50	48.4	97	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	80-121%
2037-26-5	Toluene-D8	103%	71-130%
460-00-4	4-Bromofluorobenzene	98%	59-148%
17060-07-0	1,2-Dichloroethane-D4	92%	77-123%

Blank Spike Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2070-BS	G0054785.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61932-2, F61932-5, F61932-6, F61932-7, F61932-9, F61932-10

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	129	52*	61-144
75-05-8	Acetonitrile	500	402	80	59-139
107-02-8	Acrolein	250	37.5	15*	27-156
107-13-1	Acrylonitrile	250	207	83	55-144
107-05-1	Allyl chloride	50	59.1	118	41-152
71-43-2	Benzene	50	52.1	104	78-130
100-44-7	Benzyl Chloride	50	37.6	75	74-130
108-86-1	Bromobenzene	50	52.2	104	78-123
74-97-5	Bromochloromethane	50	41.6	83	72-122
75-27-4	Bromodichloromethane	50	47.9	96	73-122
75-25-2	Bromoform	50	41.7	83	70-139
104-51-8	n-Butylbenzene	50	56.9	114	80-138
135-98-8	sec-Butylbenzene	50	56.0	112	82-132
98-06-6	tert-Butylbenzene	50	55.3	111	79-130
108-90-7	Chlorobenzene	50	51.5	103	83-122
75-00-3	Chloroethane	50	43.6	87	61-153
67-66-3	Chloroform	50	51.9	104	79-129
544-10-5	1-Chlorohexane	50	55.5	111	85-137
95-49-8	o-Chlorotoluene	50	53.7	107	77-123
106-43-4	p-Chlorotoluene	50	54.3	109	78-129
110-75-8	2-Chloroethyl vinyl ether	250	304	122	52-142
75-15-0	Carbon disulfide	50	41.6	83	61-142
56-23-5	Carbon tetrachloride	50	52.7	105	79-135
75-34-3	1,1-Dichloroethane	50	52.9	106	77-132
75-35-4	1,1-Dichloroethylene	50	48.7	97	66-132
563-58-6	1,1-Dichloropropene	50	50.6	101	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	40.5	81	67-129
106-93-4	1,2-Dibromoethane	50	42.9	86	77-126
107-06-2	1,2-Dichloroethane	50	45.7	91	78-129
78-87-5	1,2-Dichloropropane	50	49.8	100	74-127
142-28-9	1,3-Dichloropropane	50	44.3	89	78-118
594-20-7	2,2-Dichloropropane	50	52.3	105	80-137
124-48-1	Dibromochloromethane	50	47.4	95	78-117
75-71-8	Dichlorodifluoromethane	50	33.9	68	35-162
156-59-2	cis-1,2-Dichloroethylene	50	49.0	98	74-123
10061-01-5	cis-1,3-Dichloropropene	50	50.7	101	79-130

Blank Spike Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2070-BS	G0054785.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61932-2, F61932-5, F61932-6, F61932-7, F61932-9, F61932-10

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	41.7	83	71-126
541-73-1	m-Dichlorobenzene	50	54.2	108	82-126
95-50-1	o-Dichlorobenzene	50	52.3	105	83-123
106-46-7	p-Dichlorobenzene	50	52.3	105	84-124
156-60-5	trans-1,2-Dichloroethylene	50	50.9	102	77-129
10061-02-6	trans-1,3-Dichloropropene	50	49.8	100	87-131
100-41-4	Ethylbenzene	50	52.6	105	82-124
97-63-2	Ethyl methacrylate	50	39.4	79	78-118
76-13-1	Freon 113	50	48.6	97	62-147
591-78-6	2-Hexanone	250	180	72	67-130
87-68-3	Hexachlorobutadiene	50	58.4	117	77-150
110-54-3	Hexane	50	53.0	106	65-147
98-82-8	Isopropylbenzene	50	55.1	110	82-133
99-87-6	p-Isopropyltoluene	50	56.2	112	82-132
108-10-1	4-Methyl-2-pentanone	250	191	76	69-125
126-98-7	Methacrylonitrile	500	401	80	70-138
74-83-9	Methyl bromide	50	49.4	99	60-146
74-87-3	Methyl chloride	50	48.2	96	58-163
74-88-4	Methyl iodide	50	40.5	81	66-128
80-62-6	Methyl methacrylate	50	44.9	90	73-125
74-95-3	Methylene bromide	50	48.0	96	75-128
75-09-2	Methylene chloride	50	51.9	104	62-140
78-93-3	Methyl ethyl ketone	250	149	60*	66-134
1634-04-4	Methyl Tert Butyl Ether	50	41.3	83	70-131
91-20-3	Naphthalene	50	46.9	94	59-143
76-01-7	Pentachloroethane	50	52.0	104	64-156
107-12-0	Propionitrile	500	371	74	73-133
103-65-1	n-Propylbenzene	50	55.3	111	78-129
100-42-5	Styrene	50	51.3	103	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	52.6	105	81-121
71-55-6	1,1,1-Trichloroethane	50	53.1	106	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	44.7	89	70-128
79-00-5	1,1,2-Trichloroethane	50	44.5	89	76-118
87-61-6	1,2,3-Trichlorobenzene	50	50.5	101	78-136
96-18-4	1,2,3-Trichloropropane	50	38.9	78	74-125
120-82-1	1,2,4-Trichlorobenzene	50	51.9	104	82-137

Blank Spike Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2070-BS	G0054785.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61932-2, F61932-5, F61932-6, F61932-7, F61932-9, F61932-10

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	55.2	110	77-129
108-67-8	1,3,5-Trimethylbenzene	50	54.7	109	79-129
127-18-4	Tetrachloroethylene	50	52.4	105	79-132
108-88-3	Toluene	50	51.6	103	80-123
79-01-6	Trichloroethylene	50	48.7	97	78-132
75-69-4	Trichlorofluoromethane	50	47.3	95	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	88.0	176*	74-138
75-01-4	Vinyl chloride	50	45.4	91	60-145
108-05-4	Vinyl Acetate	250	167	67	25-164
	m,p-Xylene	100	107	107	82-128
95-47-6	o-Xylene	50	52.9	106	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	80-121%
2037-26-5	Toluene-D8	98%	71-130%
460-00-4	4-Bromofluorobenzene	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	91%	77-123%

Blank Spike Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2071-BS	G0054810.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61932-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	140	56*	61-144
75-05-8	Acetonitrile	500	523	105	59-139
107-02-8	Acrolein	250	45.5	18*	27-156
107-13-1	Acrylonitrile	250	200	80	55-144
107-05-1	Allyl chloride	50	60.5	121	41-152
71-43-2	Benzene	50	53.0	106	78-130
100-44-7	Benzyl Chloride	50	39.8	80	74-130
108-86-1	Bromobenzene	50	53.4	107	78-123
74-97-5	Bromochloromethane	50	43.0	86	72-122
75-27-4	Bromodichloromethane	50	47.8	96	73-122
75-25-2	Bromoform	50	38.0	76	70-139
104-51-8	n-Butylbenzene	50	59.8	120	80-138
135-98-8	sec-Butylbenzene	50	56.9	114	82-132
98-06-6	tert-Butylbenzene	50	55.7	111	79-130
108-90-7	Chlorobenzene	50	53.1	106	83-122
75-00-3	Chloroethane	50	48.9	98	61-153
67-66-3	Chloroform	50	52.7	105	79-129
544-10-5	1-Chlorohexane	50	52.5	105	85-137
95-49-8	o-Chlorotoluene	50	56.2	112	77-123
106-43-4	p-Chlorotoluene	50	54.5	109	78-129
110-75-8	2-Chloroethyl vinyl ether	250	277	111	52-142
75-15-0	Carbon disulfide	50	44.6	89	61-142
56-23-5	Carbon tetrachloride	50	47.0	94	79-135
75-34-3	1,1-Dichloroethane	50	55.0	110	77-132
75-35-4	1,1-Dichloroethylene	50	48.6	97	66-132
563-58-6	1,1-Dichloropropene	50	48.2	96	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	40.8	82	67-129
106-93-4	1,2-Dibromoethane	50	42.1	84	77-126
107-06-2	1,2-Dichloroethane	50	44.3	89	78-129
78-87-5	1,2-Dichloropropane	50	49.5	99	74-127
142-28-9	1,3-Dichloropropane	50	44.1	88	78-118
594-20-7	2,2-Dichloropropane	50	53.8	108	80-137
124-48-1	Dibromochloromethane	50	46.0	92	78-117
75-71-8	Dichlorodifluoromethane	50	34.9	70	35-162
156-59-2	cis-1,2-Dichloroethylene	50	51.4	103	74-123
10061-01-5	cis-1,3-Dichloropropene	50	50.7	101	79-130

Blank Spike Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2071-BS	G0054810.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61932-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	38.6	77	71-126
541-73-1	m-Dichlorobenzene	50	54.4	109	82-126
95-50-1	o-Dichlorobenzene	50	51.9	104	83-123
106-46-7	p-Dichlorobenzene	50	53.9	108	84-124
156-60-5	trans-1,2-Dichloroethylene	50	50.5	101	77-129
10061-02-6	trans-1,3-Dichloropropene	50	50.4	101	87-131
100-41-4	Ethylbenzene	50	54.9	110	82-124
97-63-2	Ethyl methacrylate	50	41.1	82	78-118
76-13-1	Freon 113	50	48.5	97	62-147
591-78-6	2-Hexanone	250	173	69	67-130
87-68-3	Hexachlorobutadiene	50	59.5	119	77-150
110-54-3	Hexane	50	54.9	110	65-147
98-82-8	Isopropylbenzene	50	57.3	115	82-133
99-87-6	p-Isopropyltoluene	50	58.0	116	82-132
108-10-1	4-Methyl-2-pentanone	250	191	76	69-125
126-98-7	Methacrylonitrile	500	380	76	70-138
74-83-9	Methyl bromide	50	50.8	102	60-146
74-87-3	Methyl chloride	50	48.6	97	58-163
74-88-4	Methyl iodide	50	42.7	85	66-128
80-62-6	Methyl methacrylate	50	40.0	80	73-125
74-95-3	Methylene bromide	50	44.9	90	75-128
75-09-2	Methylene chloride	50	52.0	104	62-140
78-93-3	Methyl ethyl ketone	250	148	59*	66-134
1634-04-4	Methyl Tert Butyl Ether	50	44.4	89	70-131
91-20-3	Naphthalene	50	43.7	87	59-143
76-01-7	Pentachloroethane	50	56.8	114	64-156
107-12-0	Propionitrile	500	355	71*	73-133
103-65-1	n-Propylbenzene	50	56.3	113	78-129
100-42-5	Styrene	50	54.7	109	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	52.0	104	81-121
71-55-6	1,1,1-Trichloroethane	50	52.9	106	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	42.0	84	70-128
79-00-5	1,1,2-Trichloroethane	50	44.0	88	76-118
87-61-6	1,2,3-Trichlorobenzene	50	50.1	100	78-136
96-18-4	1,2,3-Trichloropropane	50	38.2	76	74-125
120-82-1	1,2,4-Trichlorobenzene	50	54.6	109	82-137

Blank Spike Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2071-BS	G0054810.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61932-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	55.3	111	77-129
108-67-8	1,3,5-Trimethylbenzene	50	57.3	115	79-129
127-18-4	Tetrachloroethylene	50	53.8	108	79-132
108-88-3	Toluene	50	53.7	107	80-123
79-01-6	Trichloroethylene	50	51.4	103	78-132
75-69-4	Trichlorofluoromethane	50	49.1	98	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	85.2	170*	74-138
75-01-4	Vinyl chloride	50	43.4	87	60-145
108-05-4	Vinyl Acetate	250	185	74	25-164
	m,p-Xylene	100	110	110	82-128
95-47-6	o-Xylene	50	55.0	110	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	80-121%
2037-26-5	Toluene-D8	97%	71-130%
460-00-4	4-Bromofluorobenzene	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	87%	77-123%

Blank Spike Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2073-BS	G0054874.D	1	12/16/08	MM	n/a	n/a	VG2073

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61932-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	148	59*	61-144
75-05-8	Acetonitrile	500	445	89	59-139
107-02-8	Acrolein	250	33.7	13*	27-156
107-13-1	Acrylonitrile	250	229	92	55-144
107-05-1	Allyl chloride	50	53.8	108	41-152
71-43-2	Benzene	50	51.8	104	78-130
100-44-7	Benzyl Chloride	50	43.6	87	74-130
108-86-1	Bromobenzene	50	53.5	107	78-123
74-97-5	Bromochloromethane	50	44.0	88	72-122
75-27-4	Bromodichloromethane	50	47.2	94	73-122
75-25-2	Bromoform	50	40.7	81	70-139
104-51-8	n-Butylbenzene	50	54.7	109	80-138
135-98-8	sec-Butylbenzene	50	53.7	107	82-132
98-06-6	tert-Butylbenzene	50	53.6	107	79-130
108-90-7	Chlorobenzene	50	53.4	107	83-122
75-00-3	Chloroethane	50	41.7	83	61-153
67-66-3	Chloroform	50	49.6	99	79-129
544-10-5	1-Chlorohexane	50	54.2	108	85-137
95-49-8	o-Chlorotoluene	50	53.5	107	77-123
106-43-4	p-Chlorotoluene	50	53.8	108	78-129
110-75-8	2-Chloroethyl vinyl ether	250	316	126	52-142
75-15-0	Carbon disulfide	50	42.4	85	61-142
56-23-5	Carbon tetrachloride	50	52.1	104	79-135
75-34-3	1,1-Dichloroethane	50	50.1	100	77-132
75-35-4	1,1-Dichloroethylene	50	48.1	96	66-132
563-58-6	1,1-Dichloropropene	50	50.5	101	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	45.0	90	67-129
106-93-4	1,2-Dibromoethane	50	47.2	94	77-126
107-06-2	1,2-Dichloroethane	50	48.1	96	78-129
78-87-5	1,2-Dichloropropane	50	48.0	96	74-127
142-28-9	1,3-Dichloropropane	50	47.6	95	78-118
594-20-7	2,2-Dichloropropane	50	47.1	94	80-137
124-48-1	Dibromochloromethane	50	48.9	98	78-117
75-71-8	Dichlorodifluoromethane	50	27.0	54	35-162
156-59-2	cis-1,2-Dichloroethylene	50	49.2	98	74-123
10061-01-5	cis-1,3-Dichloropropene	50	49.6	99	79-130

Blank Spike Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2073-BS	G0054874.D	1	12/16/08	MM	n/a	n/a	VG2073

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61932-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	43.5	87	71-126
541-73-1	m-Dichlorobenzene	50	52.2	104	82-126
95-50-1	o-Dichlorobenzene	50	52.1	104	83-123
106-46-7	p-Dichlorobenzene	50	53.2	106	84-124
156-60-5	trans-1,2-Dichloroethylene	50	49.3	99	77-129
10061-02-6	trans-1,3-Dichloropropene	50	53.2	106	87-131
100-41-4	Ethylbenzene	50	52.7	105	82-124
97-63-2	Ethyl methacrylate	50	41.0	82	78-118
76-13-1	Freon 113	50	46.0	92	62-147
591-78-6	2-Hexanone	250	209	84	67-130
87-68-3	Hexachlorobutadiene	50	56.5	113	77-150
110-54-3	Hexane	50	55.8	112	65-147
98-82-8	Isopropylbenzene	50	53.4	107	82-133
99-87-6	p-Isopropyltoluene	50	55.2	110	82-132
108-10-1	4-Methyl-2-pentanone	250	225	90	69-125
126-98-7	Methacrylonitrile	500	478	96	70-138
74-83-9	Methyl bromide	50	39.8	80	60-146
74-87-3	Methyl chloride	50	41.1	82	58-163
74-88-4	Methyl iodide	50	40.0	80	66-128
80-62-6	Methyl methacrylate	50	50.9	102	73-125
74-95-3	Methylene bromide	50	47.3	95	75-128
75-09-2	Methylene chloride	50	48.6	97	62-140
78-93-3	Methyl ethyl ketone	250	188	75	66-134
1634-04-4	Methyl Tert Butyl Ether	50	45.5	91	70-131
91-20-3	Naphthalene	50	49.3	99	59-143
76-01-7	Pentachloroethane	50	57.1	114	64-156
107-12-0	Propionitrile	500	450	90	73-133
103-65-1	n-Propylbenzene	50	54.1	108	78-129
100-42-5	Styrene	50	53.4	107	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	50.2	100	81-121
71-55-6	1,1,1-Trichloroethane	50	50.1	100	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	47.9	96	70-128
79-00-5	1,1,2-Trichloroethane	50	46.1	92	76-118
87-61-6	1,2,3-Trichlorobenzene	50	50.6	101	78-136
96-18-4	1,2,3-Trichloropropane	50	37.7	75	74-125
120-82-1	1,2,4-Trichlorobenzene	50	53.6	107	82-137

Blank Spike Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2073-BS	G0054874.D	1	12/16/08	MM	n/a	n/a	VG2073

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61932-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	53.9	108	77-129
108-67-8	1,3,5-Trimethylbenzene	50	55.3	111	79-129
127-18-4	Tetrachloroethylene	50	57.3	115	79-132
108-88-3	Toluene	50	52.5	105	80-123
79-01-6	Trichloroethylene	50	49.0	98	78-132
75-69-4	Trichlorofluoromethane	50	41.7	83	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	97.9	196*	74-138
75-01-4	Vinyl chloride	50	39.9	80	60-145
108-05-4	Vinyl Acetate	250	132	53	25-164
	m,p-Xylene	100	107	107	82-128
95-47-6	o-Xylene	50	53.2	106	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	80-121%
2037-26-5	Toluene-D8	103%	71-130%
460-00-4	4-Bromofluorobenzene	102%	59-148%
17060-07-0	1,2-Dichloroethane-D4	91%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61934-1MS	G0054717.D	1	12/09/08	MM	n/a	n/a	VG2068
F61934-1MSD	G0054718.D	1	12/09/08	MM	n/a	n/a	VG2068
F61934-1	G0054716.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61932-1, F61932-2, F61932-3

CAS No.	Compound	F61934-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		278	111	40*	117	42*	5	61-144/29
75-05-8	Acetonitrile	ND		557	438	79	444	79	1	59-139/30
107-02-8	Acrolein	ND		278	ND	0*	14.2	5*	200*	27-156/39
107-13-1	Acrylonitrile	ND		278	248	89	265	94	7	55-144/24
107-05-1	Allyl chloride	ND		55.7	53.6	96	53.5	95	0	41-152/24
71-43-2	Benzene	ND		55.7	54.6	98	53.5	95	2	78-130/25
100-44-7	Benzyl Chloride	ND		55.7	39.6	71*	38.9	69*	2	74-130/28
108-86-1	Bromobenzene	ND		55.7	57.3	103	58.0	103	1	78-123/30
74-97-5	Bromochloromethane	ND		55.7	47.8	86	47.2	84	1	72-122/23
75-27-4	Bromodichloromethane	ND		55.7	53.3	96	53.5	95	0	73-122/25
75-25-2	Bromoform	ND		55.7	52.7	95	48.0	85	9	70-139/26
104-51-8	n-Butylbenzene	ND		55.7	57.3	103	60.7	108	6	80-138/31
135-98-8	sec-Butylbenzene	ND		55.7	59.3	107	59.9	107	1	82-132/29
98-06-6	tert-Butylbenzene	ND		55.7	58.9	106	58.6	104	1	79-130/29
108-90-7	Chlorobenzene	ND		55.7	55.1	99	54.6	97	1	83-122/23
75-00-3	Chloroethane	ND		55.7	31.2	56*	32.0	57*	3	61-153/31
67-66-3	Chloroform	ND		55.7	55.0	99	55.3	98	1	79-129/27
544-10-5	1-Chlorohexane	ND		55.7	47.0	84*	46.0	82*	2	85-137/29
95-49-8	o-Chlorotoluene	ND		55.7	58.7	105	60.1	107	2	77-123/31
106-43-4	p-Chlorotoluene	ND		55.7	58.8	106	59.2	105	1	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		278	346	124	335	119	3	52-142/25
75-15-0	Carbon disulfide	ND		55.7	29.4	53*	29.8	53*	1	61-142/27
56-23-5	Carbon tetrachloride	ND		55.7	51.6	93	51.7	92	0	79-135/29
75-34-3	1,1-Dichloroethane	ND		55.7	53.2	96	53.6	95	1	77-132/26
75-35-4	1,1-Dichloroethylene	ND		55.7	34.3	62*	35.1	62*	2	66-132/27
563-58-6	1,1-Dichloropropene	ND		55.7	49.9	90	50.6	90	1	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		55.7	22.9	41*	36.7	65*	46*	67-129/29
106-93-4	1,2-Dibromoethane	ND		55.7	54.4	98	50.5	90	7	77-126/24
107-06-2	1,2-Dichloroethane	ND		55.7	51.0	92	49.9	89	2	78-129/24
78-87-5	1,2-Dichloropropane	ND		55.7	56.0	101	54.2	96	3	74-127/27
142-28-9	1,3-Dichloropropane	ND		55.7	54.4	98	50.9	91	7	78-118/26
594-20-7	2,2-Dichloropropane	ND		55.7	52.1	94	53.4	95	2	80-137/28
124-48-1	Dibromochloromethane	ND		55.7	50.6	91	47.6	85	6	78-117/27
75-71-8	Dichlorodifluoromethane	ND		55.7	22.5	40	21.8	39	3	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		55.7	50.2	90	51.7	92	3	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		55.7	54.9	99	54.9	98	0	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61934-1MS	G0054717.D	1	12/09/08	MM	n/a	n/a	VG2068
F61934-1MSD	G0054718.D	1	12/09/08	MM	n/a	n/a	VG2068
F61934-1	G0054716.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61932-1, F61932-2, F61932-3

CAS No.	Compound	F61934-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		55.7	52.8	95	53.1	95	1	71-126/28
541-73-1	m-Dichlorobenzene	ND		55.7	56.0	101	57.5	102	3	82-126/29
95-50-1	o-Dichlorobenzene	ND		55.7	55.7	100	56.5	101	1	83-123/28
106-46-7	p-Dichlorobenzene	ND		55.7	56.9	102	57.8	103	2	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		55.7	49.9	90	49.8	89	0	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		55.7	59.8	107	57.8	103	3	87-131/27
100-41-4	Ethylbenzene	ND		55.7	55.4	100	53.4	95	4	82-124/25
97-63-2	Ethyl methacrylate	ND		55.7	24.9	45*	22.5	40*	10	78-118/30
76-13-1	Freon 113	ND		55.7	29.9	54*	54.8	98	59*	62-147/29
591-78-6	2-Hexanone	ND		278	233	84	205	73	13	67-130/29
87-68-3	Hexachlorobutadiene	ND		55.7	11.2	20*	27.2	48*	83*	77-150/36
110-54-3	Hexane	ND		55.7	47.5	85	47.0	84	1	65-147/27
98-82-8	Isopropylbenzene	ND		55.7	58.5	105	56.7	101	3	82-133/27
99-87-6	p-Isopropyltoluene	ND		55.7	58.7	105	60.2	107	3	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		278	288	103	264	94	9	69-125/24
126-98-7	Methacrylonitrile	ND		557	469	84	466	83	1	70-138/22
74-83-9	Methyl bromide	ND		55.7	31.9	57*	32.6	58*	2	60-146/31
74-87-3	Methyl chloride	ND		55.7	32.3	58	32.0	57*	1	58-163/26
74-88-4	Methyl iodide	ND		55.7	28.5	51*	29.5	53*	3	66-128/27
80-62-6	Methyl methacrylate	ND		55.7	63.0	113	55.9	100	12	73-125/24
74-95-3	Methylene bromide	ND		55.7	51.5	93	50.0	89	3	75-128/26
75-09-2	Methylene chloride	ND		55.7	53.4	96	50.5	90	6	62-140/25
78-93-3	Methyl ethyl ketone	ND		278	134	48*	133	47*	1	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		55.7	51.9	93	50.3	90	3	70-131/25
91-20-3	Naphthalene	ND		55.7	16.6	30*	18.7	33*	12	59-143/31
76-01-7	Pentachloroethane	ND		55.7	51.2	92	51.4	92	0	64-156/37
107-12-0	Propionitrile	ND		557	465	84	431	77	8	73-133/23
103-65-1	n-Propylbenzene	ND		55.7	58.4	105	58.5	104	0	78-129/29
100-42-5	Styrene	ND		55.7	58.7	105	56.7	101	3	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		55.7	56.5	101	52.7	94	7	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		55.7	53.5	96	52.8	94	1	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		55.7	59.2	106	57.6	103	3	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		55.7	55.2	99	52.4	93	5	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		55.7	23.6	42*	28.1	50*	17	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		55.7	50.5	91	49.5	88	2	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		55.7	3.7	7*	8.0	14*	74*	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61934-1MS	G0054717.D	1	12/09/08	MM	n/a	n/a	VG2068
F61934-1MSD	G0054718.D	1	12/09/08	MM	n/a	n/a	VG2068
F61934-1	G0054716.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61932-1, F61932-2, F61932-3

CAS No.	Compound	F61934-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		55.7	59.9	108	60.5	108	1	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		55.7	59.2	106	59.7	106	1	79-129/31
127-18-4	Tetrachloroethylene	ND		55.7	59.5	107	56.8	101	5	79-132/27
108-88-3	Toluene	ND		55.7	55.0	99	54.3	97	1	80-123/26
79-01-6	Trichloroethylene	ND		55.7	51.5	93	49.3	88	4	78-132/28
75-69-4	Trichlorofluoromethane	ND		55.7	31.7	57*	32.6	58*	3	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		55.7	117	210*	108	192*	8	74-138/30
75-01-4	Vinyl chloride	ND		55.7	29.2	52*	30.0	53*	3	60-145/29
108-05-4	Vinyl Acetate	ND		278	58.8	21*	59.9	21*	2	25-164/35
	m,p-Xylene	ND		111	114	102	112	100	2	82-128/25
95-47-6	o-Xylene	ND		55.7	57.6	103	56.1	100	3	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61934-1	Limits
1868-53-7	Dibromofluoromethane	98%	97%	102%	80-121%
2037-26-5	Toluene-D8	104%	104%	90%	71-130%
460-00-4	4-Bromofluorobenzene	100%	97%	93%	59-148%
17060-07-0	1,2-Dichloroethane-D4	94%	91%	104%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61879-3MS	G0054789.D	1	12/11/08	MM	n/a	n/a	VG2070
F61879-3MSD	G0054790.D	1	12/11/08	MM	n/a	n/a	VG2070
F61879-3	G0054788.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61932-2, F61932-5, F61932-6, F61932-7, F61932-9, F61932-10

CAS No.	Compound	F61879-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	32.9		311	121	28*	128	31*	6	61-144/29
75-05-8	Acetonitrile	ND		622	463	74	513	83	10	59-139/30
107-02-8	Acrolein	ND		311	ND	0*	ND	0*	nc	27-156/39
107-13-1	Acrylonitrile	ND		311	239	77	270	87	12	55-144/24
107-05-1	Allyl chloride	ND		62.2	67.9	109	66.6	108	2	41-152/24
71-43-2	Benzene	ND		62.2	62.1	100	61.5	99	1	78-130/25
100-44-7	Benzyl Chloride	ND		62.2	31.0	50*	31.3	51*	1	74-130/28
108-86-1	Bromobenzene	ND		62.2	64.2	103	59.6	96	7	78-123/30
74-97-5	Bromochloromethane	ND		62.2	53.1	85	51.0	82	4	72-122/23
75-27-4	Bromodichloromethane	ND		62.2	57.9	93	58.4	94	1	73-122/25
75-25-2	Bromoform	ND		62.2	52.1	84	53.4	86	2	70-139/26
104-51-8	n-Butylbenzene	ND		62.2	64.1	103	61.6	100	4	80-138/31
135-98-8	sec-Butylbenzene	ND		62.2	65.6	106	62.1	100	5	82-132/29
98-06-6	tert-Butylbenzene	ND		62.2	67.1	108	61.5	99	9	79-130/29
108-90-7	Chlorobenzene	ND		62.2	65.5	105	60.2	97	8	83-122/23
75-00-3	Chloroethane	ND		62.2	55.3	89	54.1	88	2	61-153/31
67-66-3	Chloroform	ND		62.2	63.4	102	63.0	102	1	79-129/27
544-10-5	1-Chlorohexane	ND		62.2	63.3	102	59.7	97	6	85-137/29
95-49-8	o-Chlorotoluene	ND		62.2	64.2	103	61.9	100	4	77-123/31
106-43-4	p-Chlorotoluene	ND		62.2	64.3	103	60.8	98	6	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		311	367	118	405	131	10	52-142/25
75-15-0	Carbon disulfide	1.4	J	62.2	50.8	79	49.4	78	3	61-142/27
56-23-5	Carbon tetrachloride	ND		62.2	65.9	106	52.5	85	23	79-135/29
75-34-3	1,1-Dichloroethane	ND		62.2	64.2	103	63.6	103	1	77-132/26
75-35-4	1,1-Dichloroethylene	ND		62.2	58.4	94	57.2	93	2	66-132/27
563-58-6	1,1-Dichloropropene	ND		62.2	60.8	98	57.8	93	5	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		62.2	48.2	78	55.9	90	15	67-129/29
106-93-4	1,2-Dibromoethane	ND		62.2	54.5	88	52.6	85	4	77-126/24
107-06-2	1,2-Dichloroethane	ND		62.2	55.7	90	58.3	94	5	78-129/24
78-87-5	1,2-Dichloropropane	ND		62.2	58.5	94	60.7	98	4	74-127/27
142-28-9	1,3-Dichloropropane	ND		62.2	55.5	89	55.4	90	0	78-118/26
594-20-7	2,2-Dichloropropane	ND		62.2	52.4	84	49.5	80	6	80-137/28
124-48-1	Dibromochloromethane	ND		62.2	57.8	93	55.9	90	3	78-117/27
75-71-8	Dichlorodifluoromethane	ND		62.2	38.8	62	36.6	59	6	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		62.2	58.4	94	59.0	95	1	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		62.2	58.3	94	60.7	98	4	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61879-3MS	G0054789.D	1	12/11/08	MM	n/a	n/a	VG2070
F61879-3MSD	G0054790.D	1	12/11/08	MM	n/a	n/a	VG2070
F61879-3	G0054788.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61932-2, F61932-5, F61932-6, F61932-7, F61932-9, F61932-10

CAS No.	Compound	F61879-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		62.2	45.3	73	48.3	78	6	71-126/28
541-73-1	m-Dichlorobenzene	ND		62.2	64.4	104	62.7	101	3	82-126/29
95-50-1	o-Dichlorobenzene	ND		62.2	65.1	105	60.9	99	7	83-123/28
106-46-7	p-Dichlorobenzene	ND		62.2	63.4	102	61.6	100	3	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		62.2	59.9	96	58.5	95	2	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		62.2	60.4	97	60.2	97	0	87-131/27
100-41-4	Ethylbenzene	ND		62.2	65.8	106	62.2	101	6	82-124/25
97-63-2	Ethyl methacrylate	ND		62.2	7.7	12*	8.1	13*	5	78-118/30
76-13-1	Freon 113	ND		62.2	55.5	89	55.8	90	1	62-147/29
591-78-6	2-Hexanone	ND		311	195	63*	211	68	8	67-130/29
87-68-3	Hexachlorobutadiene	ND		62.2	66.0	106	58.8	95	12	77-150/36
110-54-3	Hexane	ND		62.2	56.1	90	49.6	80	12	65-147/27
98-82-8	Isopropylbenzene	ND		62.2	69.4	112	64.6	104	7	82-133/27
99-87-6	p-Isopropyltoluene	ND		62.2	66.1	106	63.5	103	4	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		311	239	77	256	83	7	69-125/24
126-98-7	Methacrylonitrile	ND		622	458	74	523	85	13	70-138/22
74-83-9	Methyl bromide	ND		62.2	57.0	92	56.3	91	1	60-146/31
74-87-3	Methyl chloride	ND		62.2	57.8	93	56.2	91	3	58-163/26
74-88-4	Methyl iodide	ND		62.2	48.5	78	45.8	74	6	66-128/27
80-62-6	Methyl methacrylate	ND		62.2	49.4	79	52.6	85	6	73-125/24
74-95-3	Methylene bromide	ND		62.2	57.4	92	57.0	92	1	75-128/26
75-09-2	Methylene chloride	ND		62.2	64.0	103	61.4	99	4	62-140/25
78-93-3	Methyl ethyl ketone	ND		311	126	41*	151	49*	18	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		62.2	49.8	80	52.5	85	5	70-131/25
91-20-3	Naphthalene	ND		62.2	56.2	90	57.4	93	2	59-143/31
76-01-7	Pentachloroethane	ND		62.2	63.0	101	57.6	93	9	64-156/37
107-12-0	Propionitrile	ND		622	418	67*	469	76	11	73-133/23
103-65-1	n-Propylbenzene	ND		62.2	63.0	101	61.0	99	3	78-129/29
100-42-5	Styrene	ND		62.2	65.6	106	61.3	99	7	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		62.2	63.6	102	63.9	103	0	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		62.2	64.5	104	59.9	97	7	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		62.2	52.1	84	56.8	92	9	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		62.2	55.7	90	56.8	92	2	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		62.2	58.1	93	60.1	97	3	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		62.2	46.7	75	49.3	80	5	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		62.2	62.0	100	59.6	96	4	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61879-3MS	G0054789.D	1	12/11/08	MM	n/a	n/a	VG2070
F61879-3MSD	G0054790.D	1	12/11/08	MM	n/a	n/a	VG2070
F61879-3	G0054788.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61932-2, F61932-5, F61932-6, F61932-7, F61932-9, F61932-10

CAS No.	Compound	F61879-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		62.2	65.3	105	63.3	102	3	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		62.2	66.0	106	61.6	100	7	79-129/31
127-18-4	Tetrachloroethylene	ND		62.2	71.6	115	69.8	113	3	79-132/27
108-88-3	Toluene	ND		62.2	65.5	105	60.7	98	8	80-123/26
79-01-6	Trichloroethylene	ND		62.2	61.1	98	59.6	96	2	78-132/28
75-69-4	Trichlorofluoromethane	ND		62.2	55.8	90	52.8	85	6	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		62.2	90.5	146*	101	163*	11	74-138/30
75-01-4	Vinyl chloride	ND		62.2	49.7	80	49.4	80	1	60-145/29
108-05-4	Vinyl Acetate	ND		311	20.9	7*	21.6	7*	3	25-164/35
	m,p-Xylene	ND		124	135	109	124	100	8	82-128/25
95-47-6	o-Xylene	ND		62.2	66.6	107	61.9	100	7	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61879-3	Limits
1868-53-7	Dibromofluoromethane	96%	100%	99%	80-121%
2037-26-5	Toluene-D8	100%	100%	94%	71-130%
460-00-4	4-Bromofluorobenzene	96%	92%	93%	59-148%
17060-07-0	1,2-Dichloroethane-D4	84%	101%	98%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61975-4MS	G0054817.D	1	12/12/08	MM	n/a	n/a	VG2071
F61975-4MSD	G0054818.D	1	12/12/08	MM	n/a	n/a	VG2071
F61975-4	G0054816.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61932-8

CAS No.	Compound	F61975-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		305	143	47*	102	34*	33*	61-144/29
75-05-8	Acetonitrile	ND		611	800	131	453	76	55*	59-139/30
107-02-8	Acrolein	ND		305	ND	0*	ND	0*	nc	27-156/39
107-13-1	Acrylonitrile	ND		305	271	89	201	67	30*	55-144/24
107-05-1	Allyl chloride	ND		61.1	73.5	120	65.4	109	12	41-152/24
71-43-2	Benzene	ND		61.1	66.2	108	59.0	99	12	78-130/25
100-44-7	Benzyl Chloride	ND		61.1	42.8	70*	36.2	61*	17	74-130/28
108-86-1	Bromobenzene	ND		61.1	66.2	108	56.4	94	16	78-123/30
74-97-5	Bromochloromethane	ND		61.1	53.2	87	46.1	77	14	72-122/23
75-27-4	Bromodichloromethane	ND		61.1	57.8	95	51.3	86	12	73-122/25
75-25-2	Bromoform	ND		61.1	47.7	78	46.5	78	3	70-139/26
104-51-8	n-Butylbenzene	ND		61.1	73.3	120	65.2	109	12	80-138/31
135-98-8	sec-Butylbenzene	ND		61.1	74.5	122	66.4	111	11	82-132/29
98-06-6	tert-Butylbenzene	ND		61.1	72.6	119	63.9	107	13	79-130/29
108-90-7	Chlorobenzene	ND		61.1	65.1	107	59.3	99	9	83-122/23
75-00-3	Chloroethane	ND		61.1	59.2	97	51.5	86	14	61-153/31
67-66-3	Chloroform	ND		61.1	65.2	107	58.3	97	11	79-129/27
544-10-5	1-Chlorohexane	ND		61.1	69.3	113	64.4	108	7	85-137/29
95-49-8	o-Chlorotoluene	ND		61.1	71.4	117	61.4	103	15	77-123/31
106-43-4	p-Chlorotoluene	ND		61.1	68.2	112	60.6	101	12	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		305	378	124	338	113	11	52-142/25
75-15-0	Carbon disulfide	ND		61.1	60.6	99	51.5	86	16	61-142/27
56-23-5	Carbon tetrachloride	ND		61.1	58.1	95	54.8	92	6	79-135/29
75-34-3	1,1-Dichloroethane	ND		61.1	64.8	106	58.2	97	11	77-132/26
75-35-4	1,1-Dichloroethylene	ND		61.1	60.6	99	56.4	94	7	66-132/27
563-58-6	1,1-Dichloropropene	ND		61.1	63.7	104	58.9	98	8	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		61.1	60.0	98	48.4	81	21	67-129/29
106-93-4	1,2-Dibromoethane	ND		61.1	53.8	88	49.4	83	9	77-126/24
107-06-2	1,2-Dichloroethane	ND		61.1	54.9	90	47.4	79	15	78-129/24
78-87-5	1,2-Dichloropropane	ND		61.1	60.9	100	53.4	89	13	74-127/27
142-28-9	1,3-Dichloropropane	ND		61.1	55.1	90	51.9	87	6	78-118/26
594-20-7	2,2-Dichloropropane	ND		61.1	80.3	132	63.0	105	24	80-137/28
124-48-1	Dibromochloromethane	ND		61.1	55.6	91	53.3	89	4	78-117/27
75-71-8	Dichlorodifluoromethane	ND		61.1	34.2	56	34.6	58	1	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		61.1	60.9	100	54.0	90	12	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		61.1	61.4	101	52.4	88	16	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61975-4MS	G0054817.D	1	12/12/08	MM	n/a	n/a	VG2071
F61975-4MSD	G0054818.D	1	12/12/08	MM	n/a	n/a	VG2071
F61975-4	G0054816.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61932-8

CAS No.	Compound	F61975-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		61.1	53.3	87	43.7	73	20	71-126/28
541-73-1	m-Dichlorobenzene	ND		61.1	66.3	109	60.2	101	10	82-126/29
95-50-1	o-Dichlorobenzene	ND		61.1	65.6	107	56.9	95	14	83-123/28
106-46-7	p-Dichlorobenzene	ND		61.1	67.1	110	59.6	100	12	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		61.1	63.5	104	55.5	93	13	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		61.1	60.2	99	56.7	95	6	87-131/27
100-41-4	Ethylbenzene	ND		61.1	68.5	112	63.3	106	8	82-124/25
97-63-2	Ethyl methacrylate	ND		61.1	17.2	28*	14.3	24*	18	78-118/30
76-13-1	Freon 113	ND		61.1	63.9	105	55.2	92	15	62-147/29
591-78-6	2-Hexanone	ND		305	228	75	188	63*	19	67-130/29
87-68-3	Hexachlorobutadiene	ND		61.1	64.5	106	57.8	97	11	77-150/36
110-54-3	Hexane	ND		61.1	62.6	103	50.9	85	21	65-147/27
98-82-8	Isopropylbenzene	ND		61.1	72.4	119	66.8	112	8	82-133/27
99-87-6	p-Isopropyltoluene	ND		61.1	74.0	121	65.5	110	12	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		305	261	85	227	76	14	69-125/24
126-98-7	Methacrylonitrile	ND		611	524	86	403	67*	26*	70-138/22
74-83-9	Methyl bromide	ND		61.1	65.2	107	55.0	92	17	60-146/31
74-87-3	Methyl chloride	ND		61.1	57.5	94	54.3	91	6	58-163/26
74-88-4	Methyl iodide	ND		61.1	48.7	80	43.7	73	11	66-128/27
80-62-6	Methyl methacrylate	ND		61.1	64.4	105	47.3	79	31*	73-125/24
74-95-3	Methylene bromide	ND		61.1	57.1	94	50.3	84	13	75-128/26
75-09-2	Methylene chloride	5.3	J	61.1	75.5	115	65.5	101	14	62-140/25
78-93-3	Methyl ethyl ketone	ND		305	164	54*	122	41*	29*	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		61.1	56.6	93	46.6	78	19	70-131/25
91-20-3	Naphthalene	ND		61.1	59.6	98	55.2	92	8	59-143/31
76-01-7	Pentachloroethane	ND		61.1	63.9	105	56.7	95	12	64-156/37
107-12-0	Propionitrile	ND		611	499	82	391	65*	24*	73-133/23
103-65-1	n-Propylbenzene	ND		61.1	70.1	115	62.4	104	12	78-129/29
100-42-5	Styrene	ND		61.1	62.1	102	60.3	101	3	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		61.1	62.5	102	57.7	96	8	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		61.1	71.0	116	60.8	102	15	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		61.1	60.5	99	51.5	86	16	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		61.1	59.0	97	54.3	91	8	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		61.1	60.1	98	54.0	90	11	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		61.1	57.4	94	44.6	75	25	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		61.1	60.3	99	58.1	97	4	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61975-4MS	G0054817.D	1	12/12/08	MM	n/a	n/a	VG2071
F61975-4MSD	G0054818.D	1	12/12/08	MM	n/a	n/a	VG2071
F61975-4	G0054816.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61932-8

CAS No.	Compound	F61975-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		61.1	72.8	119	64.0	107	13	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		61.1	74.2	122	65.1	109	13	79-129/31
127-18-4	Tetrachloroethylene	ND		61.1	67.5	111	64.5	108	5	79-132/27
108-88-3	Toluene	ND		61.1	63.9	105	61.2	102	4	80-123/26
79-01-6	Trichloroethylene	ND		61.1	64.0	105	56.4	94	13	78-132/28
75-69-4	Trichlorofluoromethane	ND		61.1	66.4	109	55.1	92	19	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		61.1	115	188*	92.9	155*	21	74-138/30
75-01-4	Vinyl chloride	ND		61.1	58.2	95	53.2	89	9	60-145/29
108-05-4	Vinyl Acetate	ND		305	19.3	6*	ND	0*	200*	25-164/35
	m,p-Xylene	ND		122	137	112	128	107	7	82-128/25
95-47-6	o-Xylene	ND		61.1	65.9	108	61.3	102	7	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61975-4	Limits
1868-53-7	Dibromofluoromethane	95%	95%	95%	80-121%
2037-26-5	Toluene-D8	99%	105%	94%	71-130%
460-00-4	4-Bromofluorobenzene	97%	97%	93%	59-148%
17060-07-0	1,2-Dichloroethane-D4	90%	92%	98%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62034-1MS	G0054879.D	1	12/16/08	MM	n/a	n/a	VG2073
F62034-1MSD	G0054880.D	1	12/16/08	MM	n/a	n/a	VG2073
F62034-1	G0054878.D	1	12/16/08	MM	n/a	n/a	VG2073

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61932-4

CAS No.	Compound	F62034-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		256	102	40*	98.2	38*	4	61-144/29
75-05-8	Acetonitrile	ND		512	383	75	393	76	3	59-139/30
107-02-8	Acrolein	ND		256	ND	0*	ND	0*	nc	27-156/39
107-13-1	Acrylonitrile	ND		256	222	87	213	83	4	55-144/24
107-05-1	Allyl chloride	ND		51.2	56.1	110	60.5	117	8	41-152/24
71-43-2	Benzene	ND		51.2	55.3	108	56.0	109	1	78-130/25
100-44-7	Benzyl Chloride	ND		51.2	30.7	60*	28.9	56*	6	74-130/28
108-86-1	Bromobenzene	ND		51.2	51.7	101	53.3	103	3	78-123/30
74-97-5	Bromochloromethane	ND		51.2	44.8	88	44.1	85	2	72-122/23
75-27-4	Bromodichloromethane	ND		51.2	48.1	94	47.5	92	1	73-122/25
75-25-2	Bromoform	ND		51.2	38.5	75	41.7	81	8	70-139/26
104-51-8	n-Butylbenzene	ND		51.2	51.2	100	53.3	103	4	80-138/31
135-98-8	sec-Butylbenzene	ND		51.2	53.0	104	55.2	107	4	82-132/29
98-06-6	tert-Butylbenzene	ND		51.2	54.1	106	54.8	106	1	79-130/29
108-90-7	Chlorobenzene	ND		51.2	50.8	99	54.0	105	6	83-122/23
75-00-3	Chloroethane	ND		51.2	47.0	92	46.1	89	2	61-153/31
67-66-3	Chloroform	ND		51.2	53.3	104	53.2	103	0	79-129/27
544-10-5	1-Chlorohexane	ND		51.2	52.9	103	54.0	105	2	85-137/29
95-49-8	o-Chlorotoluene	ND		51.2	53.4	104	54.1	105	1	77-123/31
106-43-4	p-Chlorotoluene	ND		51.2	52.9	103	54.7	106	3	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		256	302	118	309	120	2	52-142/25
75-15-0	Carbon disulfide	1.5	J	51.2	48.1	91	48.2	90	0	61-142/27
56-23-5	Carbon tetrachloride	ND		51.2	58.0	113	60.8	118	5	79-135/29
75-34-3	1,1-Dichloroethane	ND		51.2	53.4	104	55.0	107	3	77-132/26
75-35-4	1,1-Dichloroethylene	ND		51.2	55.9	109	54.4	105	3	66-132/27
563-58-6	1,1-Dichloropropene	ND		51.2	53.8	105	55.0	107	2	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		51.2	37.8	74	39.6	77	5	67-129/29
106-93-4	1,2-Dibromoethane	ND		51.2	44.0	86	45.3	88	3	77-126/24
107-06-2	1,2-Dichloroethane	ND		51.2	48.2	94	47.8	93	1	78-129/24
78-87-5	1,2-Dichloropropane	ND		51.2	49.8	97	50.7	98	2	74-127/27
142-28-9	1,3-Dichloropropane	ND		51.2	44.6	87	47.4	92	6	78-118/26
594-20-7	2,2-Dichloropropane	ND		51.2	47.2	92	52.6	102	11	80-137/28
124-48-1	Dibromochloromethane	ND		51.2	45.4	89	46.9	91	3	78-117/27
75-71-8	Dichlorodifluoromethane	ND		51.2	31.8	62	31.1	60	2	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		51.2	49.9	98	50.1	97	0	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		51.2	49.3	96	50.4	98	2	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62034-1MS	G0054879.D	1	12/16/08	MM	n/a	n/a	VG2073
F62034-1MSD	G0054880.D	1	12/16/08	MM	n/a	n/a	VG2073
F62034-1	G0054878.D	1	12/16/08	MM	n/a	n/a	VG2073

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61932-4

CAS No.	Compound	F62034-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		51.2	43.0	84	43.6	84	1	71-126/28
541-73-1	m-Dichlorobenzene	ND		51.2	51.8	101	52.2	101	1	82-126/29
95-50-1	o-Dichlorobenzene	ND		51.2	49.0	96	51.5	100	5	83-123/28
106-46-7	p-Dichlorobenzene	ND		51.2	50.9	99	52.1	101	2	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		51.2	54.4	106	54.7	106	1	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		51.2	47.3	92	52.0	101	9	87-131/27
100-41-4	Ethylbenzene	ND		51.2	52.1	102	55.3	107	6	82-124/25
97-63-2	Ethyl methacrylate	ND		51.2	ND	0*	ND	0*	nc	78-118/30
76-13-1	Freon 113	ND		51.2	51.4	100	51.2	99	0	62-147/29
591-78-6	2-Hexanone	ND		256	173	68	173	67	0	67-130/29
87-68-3	Hexachlorobutadiene	ND		51.2	49.9	98	52.5	102	5	77-150/36
110-54-3	Hexane	ND		51.2	44.3	87	47.4	92	7	65-147/27
98-82-8	Isopropylbenzene	ND		51.2	55.0	107	56.8	110	3	82-133/27
99-87-6	p-Isopropyltoluene	ND		51.2	52.9	103	56.3	109	6	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		256	199	78	214	83	7	69-125/24
126-98-7	Methacrylonitrile	ND		512	442	86	448	87	1	70-138/22
74-83-9	Methyl bromide	ND		51.2	45.7	89	47.7	92	4	60-146/31
74-87-3	Methyl chloride	ND		51.2	44.7	87	44.4	86	1	58-163/26
74-88-4	Methyl iodide	ND		51.2	42.5	83	43.7	85	3	66-128/27
80-62-6	Methyl methacrylate	ND		51.2	44.6	87	43.3	84	3	73-125/24
74-95-3	Methylene bromide	ND		51.2	48.0	94	48.0	93	0	75-128/26
75-09-2	Methylene chloride	ND		51.2	55.2	108	58.5	113	6	62-140/25
78-93-3	Methyl ethyl ketone	ND		256	130	51*	126	49*	3	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		51.2	42.7	83	44.9	87	5	70-131/25
91-20-3	Naphthalene	ND		51.2	43.6	85	45.4	88	4	59-143/31
76-01-7	Pentachloroethane	ND		51.2	55.9	109	56.1	109	0	64-156/37
107-12-0	Propionitrile	ND		512	435	85	417	81	4	73-133/23
103-65-1	n-Propylbenzene	ND		51.2	53.5	105	54.9	106	3	78-129/29
100-42-5	Styrene	ND		51.2	50.4	99	53.7	104	6	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		51.2	48.5	95	52.6	102	8	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		51.2	55.0	107	57.6	112	5	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		51.2	43.0	84	44.2	86	3	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		51.2	43.7	85	45.3	88	4	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		51.2	46.3	90	46.9	91	1	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		51.2	37.3	73*	36.3	70*	3	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		51.2	49.0	96	50.3	97	3	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62034-1MS	G0054879.D	1	12/16/08	MM	n/a	n/a	VG2073
F62034-1MSD	G0054880.D	1	12/16/08	MM	n/a	n/a	VG2073
F62034-1	G0054878.D	1	12/16/08	MM	n/a	n/a	VG2073

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61932-4

CAS No.	Compound	F62034-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		51.2	52.8	103	55.3	107	5	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		51.2	55.5	108	54.5	106	2	79-129/31
127-18-4	Tetrachloroethylene	ND		51.2	57.5	112	57.9	112	1	79-132/27
108-88-3	Toluene	ND		51.2	52.7	103	54.2	105	3	80-123/26
79-01-6	Trichloroethylene	ND		51.2	54.2	106	54.1	105	0	78-132/28
75-69-4	Trichlorofluoromethane	ND		51.2	50.0	98	48.0	93	4	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		51.2	90.9	178*	92.6	179*	2	74-138/30
75-01-4	Vinyl chloride	ND		51.2	46.3	90	44.5	86	4	60-145/29
108-05-4	Vinyl Acetate	ND		256	13.5	5*	14.3	6*	6	25-164/35
	m,p-Xylene	ND		102	107	105	113	109	5	82-128/25
95-47-6	o-Xylene	ND		51.2	51.9	101	54.0	105	4	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F62034-1	Limits
1868-53-7	Dibromofluoromethane	101%	98%	99%	80-121%
2037-26-5	Toluene-D8	101%	101%	93%	71-130%
460-00-4	4-Bromofluorobenzene	101%	100%	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	90%	97%	103%	77-123%

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3631-MB	CD086319.D	1	12/09/08	JG	n/a	n/a	GCD3631

The QC reported here applies to the following samples: **Method:** SW846 8015

F61932-1, F61932-2, F61932-4, F61932-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	83%	56-136%
98-08-8	aaa-Trifluorotoluene	83%	61-121%

Method Blank Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3632-MB	CD086352.D	1	12/10/08	JG	n/a	n/a	GCD3632

The QC reported here applies to the following samples: **Method:** SW846 8015

F61932-5

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	85%	56-136%
98-08-8	aaa-Trifluorotoluene	83%	61-121%

Method Blank Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3634-MB	CD086408.D	1	12/12/08	JG	n/a	n/a	GCD3634

The QC reported here applies to the following samples: **Method:** SW846 8015

F61932-6, F61932-9

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	86%	56-136%
98-08-8	aaa-Trifluorotoluene	80%	61-121%

Method Blank Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3635-MB	CD086438.D	1	12/15/08	JG	n/a	n/a	GCD3635

The QC reported here applies to the following samples: **Method:** SW846 8015

F61932-3

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	76%	56-136%
98-08-8	aaa-Trifluorotoluene	78%	61-121%

Method Blank Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1968-MB	QR045268.D	1	12/16/08	AH	n/a	n/a	GQR1968

The QC reported here applies to the following samples: **Method:** SW846 8015

F61932-8

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	65%	56-136%
98-08-8	aaa-Trifluorotoluene	73%	61-121%

Blank Spike Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3631-BS	CD086318.D	1	12/09/08	JG	n/a	n/a	GCD3631

The QC reported here applies to the following samples: **Method:** SW846 8015

F61932-1, F61932-2, F61932-4, F61932-7

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	19.6	98	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	110%	56-136%
98-08-8	aaa-Trifluorotoluene	99%	61-121%

Blank Spike Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3632-BS	CD086351.D	1	12/10/08	JG	n/a	n/a	GCD3632

The QC reported here applies to the following samples: **Method:** SW846 8015

F61932-5

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	20.0	100	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	104%	56-136%
98-08-8	aaa-Trifluorotoluene	98%	61-121%

Blank Spike Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3634-BS	CD086407.D	1	12/12/08	JG	n/a	n/a	GCD3634

The QC reported here applies to the following samples: **Method:** SW846 8015

F61932-6, F61932-9

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	19.0	95	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	103%	56-136%
98-08-8	aaa-Trifluorotoluene	91%	61-121%

Blank Spike Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3635-BS	CD086437.D	1	12/15/08	JG	n/a	n/a	GCD3635

The QC reported here applies to the following samples: **Method:** SW846 8015

F61932-3

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	18.0	90	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	106%	56-136%
98-08-8	aaa-Trifluorotoluene	93%	61-121%

Blank Spike Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1968-BS	QR045267.D	1	12/16/08	AH	n/a	n/a	GQR1968

The QC reported here applies to the following samples: **Method:** SW846 8015

F61932-8

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	19.5	98	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	90%	56-136%
98-08-8	aaa-Trifluorotoluene	89%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61879-3MS	CD086326.D	1	12/09/08	JG	n/a	n/a	GCD3631
F61879-3MSD	CD086327.D	1	12/09/08	JG	n/a	n/a	GCD3631
F61879-3	CD086322.D	1	12/09/08	JG	n/a	n/a	GCD3631

The QC reported here applies to the following samples: **Method:** SW846 8015

F61932-1, F61932-2, F61932-4, F61932-7

CAS No.	Compound	F61879-3 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	4.19	J	32.2	32.2	87	33.5	91	4	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61879-3	Limits
460-00-4	4-Bromofluorobenzene	111%	115%	82%	56-136%
98-08-8	aaa-Trifluorotoluene	103%	99%	85%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61934-1MS	CD086366.D	1	12/10/08	JG	n/a	n/a	GCD3632
F61934-1MSD	CD086367.D	1	12/10/08	JG	n/a	n/a	GCD3632
F61934-1	CD086360.D	1	12/10/08	JG	n/a	n/a	GCD3632

The QC reported here applies to the following samples: **Method:** SW846 8015

F61932-5

CAS No.	Compound	F61934-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	5.31	J	29	29.9	85	29.1	82	3	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61934-1	Limits
460-00-4	4-Bromofluorobenzene	119%	119%	120%	56-136%
98-08-8	aaa-Trifluorotoluene	99%	101%	87%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62063-1MS	CD086424.D	1	12/12/08	JG	n/a	n/a	GCD3634
F62063-1MSD	CD086425.D	1	12/12/08	JG	n/a	n/a	GCD3634
F62063-1 [a]	CD086419.D	1	12/12/08	JG	n/a	n/a	GCD3634

The QC reported here applies to the following samples: **Method:** SW846 8015

F61932-6, F61932-9

CAS No.	Compound	F62063-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		21.5	20.7	96	20.4	95	1	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F62063-1	Limits
460-00-4	4-Bromofluorobenzene	117%	112%	85%	56-136%
98-08-8	aaa-Trifluorotoluene	100%	96%	86%	61-121%

(a) En Core samples were not preserved within 48 hours.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62060-1MS	CD086449.D	1	12/15/08	JG	n/a	n/a	GCD3635
F62060-1MSD	CD086450.D	1	12/15/08	JG	n/a	n/a	GCD3635
F62060-1 [a]	CD086452.D	1	12/15/08	JG	n/a	n/a	GCD3635

The QC reported here applies to the following samples: **Method:** SW846 8015

F61932-3

CAS No.	Compound	F62060-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		23.9	22.0	92	20.9	87	5	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F62060-1	Limits
460-00-4	4-Bromofluorobenzene	107%	103%	81%	56-136%
98-08-8	aaa-Trifluorotoluene	91%	90%	78%	61-121%

(a) En Core samples were not preserved within 48 hours.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61976-2MS	QR045285.D	1	12/16/08	AH	n/a	n/a	GQR1968
F61976-2MSD	QR045286.D	1	12/16/08	AH	n/a	n/a	GQR1968
F61976-2	QR045276.D	1	12/16/08	AH	n/a	n/a	GQR1968

The QC reported here applies to the following samples: **Method:** SW846 8015

F61932-8

CAS No.	Compound	F61976-2 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	146		114	245	87	231	75	6	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61976-2	Limits
460-00-4	4-Bromofluorobenzene	115%	117%	110%	56-136%
98-08-8	aaa-Trifluorotoluene	112%	114%	98%	61-121%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27388-MB	LL24505.D	1	12/12/08	NY	12/09/08	OP27388	GLL913

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61932-1, F61932-3, F61932-4, F61932-6, F61932-7, F61932-8, F61932-9, F61932-2A, F61932-5A

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	86%	49-108%

Method Blank Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27388-MB	LL24565.D	1	12/17/08	NY	12/09/08	OP27388	GLL916

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61932-1, F61932-3, F61932-4, F61932-6, F61932-7, F61932-8, F61932-9, F61932-2A, F61932-5A

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	80%	49-108%

Blank Spike Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27388-BS	LL24504.D	1	12/12/08	NY	12/09/08	OP27388	GLL913

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61932-1, F61932-3, F61932-4, F61932-6, F61932-7, F61932-8, F61932-9, F61932-2A, F61932-5A

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	28.1	84	64-102
	TPH (> C22-C36)	33.3	32.5	98	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	83%	49-108%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61932
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27388-MS	LL24521.D	1	12/13/08	NY	12/09/08	OP27388	GLL913
OP27388-MSD	LL24522.D	1	12/13/08	NY	12/09/08	OP27388	GLL913
F61934-1	LL24517.D	1	12/12/08	NY	12/09/08	OP27388	GLL913

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61932-1, F61932-3, F61932-4, F61932-6, F61932-7, F61932-8, F61932-9, F61932-2A, F61932-5A

CAS No.	Compound	F61934-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		41.3	31.0	75	33.8	81	9	64-102/32
	TPH (> C22-C36)	ND		41.3	35.0	85	39.1	94	11	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F61934-1	Limits
84-15-1	o-Terphenyl	77%	82%	79%	49-108%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/23/08

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F61934

Sampling Date: 12/03/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **68**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Note: This report is password protected to disallow document modification or assembly.
A password to unlock this report is available from your client service representative.

Sections: 1 2 3 4 5 6 7

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F61934-1: SS61-SB40-16 7
3.2: F61934-2: SS61-SB40-20 12
3.3: F61934-3: SS61-SB40-20-a 17
3.4: F61934-4: SS61-SB40-35 22
3.5: F61934-5: TRIP BLANK 27
Section 4: Misc. Forms **30**
4.1: Chain of Custody 31
Section 5: GC/MS Volatiles - QC Data Summaries **33**
5.1: Method Blank Summary 34
5.2: Blank Spike Summary 40
5.3: Matrix Spike/Matrix Spike Duplicate Summary 46
Section 6: GC Volatiles - QC Data Summaries **52**
6.1: Method Blank Summary 53
6.2: Blank Spike Summary 57
6.3: Matrix Spike/Matrix Spike Duplicate Summary 61
Section 7: GC Semi-volatiles - QC Data Summaries **64**
7.1: Method Blank Summary 65
7.2: Blank Spike Summary 67
7.3: Matrix Spike/Matrix Spike Duplicate Summary 68

Sample Summary

North Wind, Inc

Job No: F61934

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F61934-1	12/03/08	10:35	DM	12/04/08	SO	Soil	SS61-SB40-16
F61934-1D	12/03/08	10:35	DM	12/04/08	SO	Soil Dup/MSD	SS61-SB40-16
F61934-1S	12/03/08	10:35	DM	12/04/08	SO	Soil Matrix Spike	SS61-SB40-16
F61934-2	12/03/08	10:50	DM	12/04/08	SO	Soil	SS61-SB40-20
F61934-3	12/03/08	10:50	DM	12/04/08	SO	Soil	SS61-SB40-20-a
F61934-4	12/03/08	11:05	DM	12/04/08	SO	Soil	SS61-SB40-35
F61934-5	12/03/08	00:00	DM	12/04/08	SO	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F61934

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/19/2008 4:44:29

4 Samples, 1 Trip Blank were collected on 12/03/2008 and received at Accutest on 12/04/2008 properly preserved, at 2.2 Deg. C and intact. These Samples received an Accutest job number of F61934. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2068

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61934-1MS, F61934-1MSD were used as the QC samples indicated.

Blank Spike Recovery(s) for 1,2,4-Trichlorobenzene, Acetone, Methyl ethyl ketone, Propionitrile, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for 1,1-Dichloroethylene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, 1-Chlorohexane, Acetone, Acrolein, Benzyl Chloride, Carbon disulfide, Chloroethane, Ethyl methacrylate, Freon 113, Hexachlorobutadiene, Methyl bromide, Methyl ethyl ketone, Methyl iodide, Naphthalene, Trans-1,4-Dichloro-2-Butene, Trichlorofluoromethane, Vinyl Acetate, Vinyl chloride are outside control limits. Probable cause

Matrix Spike Duplicate Recovery(s) for 1,1-Dichloroethylene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, 1-Chlorohexane, Acetone, Acrolein, Benzyl Chloride, Carbon disulfide, Chloroethane, Ethyl methacrylate, Hexachlorobutadiene, Methyl bromide, Methyl chloride, Methyl ethyl ketone, Methyl iodide, Naphthalene, Trans-1,4-Dichloro-2-Butene, Trichlorofluoromethane, Vinyl Acetate, Vinyl chloride are outside control limits. Probable cause due to matrix interference.

RPD(s) for MSD for 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, Acrolein, Freon 113, Hexachlorobutadiene are outside control limits for sample F61934-1MSD. Probable cause due to sample homogeneity.

Sample(s) F61934-4 have surrogates outside control limits. Probable cause due to matrix interference.

F61934-3 for Methylene chloride: Suspected laboratory contaminant.

F61934-2 for Methylene chloride: Suspected laboratory contaminant.

F61934-2 for Acetone: Associated BS recovery outside control limits.

Matrix: SO **Batch ID:** VG2070

All samples were analyzed within the recommended method holding time.

Sample(s) F61879-3MS, F61879-3MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for Acetone, Acrolein, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for 2-Hexanone, Acetone, Acrolein, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Propionitrile, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for Acetone, Acrolein, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Sample(s) F61934-4 have surrogates outside control limits. Probable cause due to matrix interference.

F61934-4 for Acetone: Associated BS recovery outside control limits.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GCD3632

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61934-1MS, F61934-1MSD were used as the QC samples indicated.

Sample(s) F61934-3 have surrogates outside control limits. Probable cause due to matrix interference.

Matrix: SO **Batch ID:** GCD3633

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.
Sample(s) F61934-3 have surrogates outside control limits. Probable cause due to matrix interference.
F61934-3 for 4-Bromofluorobenzene: Result reported from PID.
F61934-3 for 4-Bromofluorobenzene: Outside control limits due to matrix interference.

Matrix: SO **Batch ID:** GQR1968

All samples were analyzed within the recommended method holding time.
All method blanks for this batch meet method specific criteria.
Sample(s) F61934-3 have surrogates outside control limits. Probable cause due to matrix interference.
F61934-2: Confirmation run.

Matrix: SO **Batch ID:** GQR1969

All samples were analyzed within the recommended method holding time.
All method blanks for this batch meet method specific criteria.
Sample(s) F61934-3 have surrogates outside control limits. Probable cause due to matrix interference.
F61934-4: Confirmation run.
F61934-1: Confirmation run.
F61934-3: Confirmation run.

Extractables by GC By Method SW846 8015 M

Matrix: SO **Batch ID:** OP27388

All samples were extracted within the recommended method holding time.
All samples were analyzed within the recommended method holding time.
Sample(s) F61934-1MS, F61934-1MSD were used as the QC samples indicated.
All method blanks for this batch meet method specific criteria.

Wet Chemistry By Method SM19 2540B M

Matrix: SO **Batch ID:** GN33059

Sample(s) F61897-1DUP were used as the QC samples for Solids, Percent.

Matrix: SO **Batch ID:** GN33076

Sample(s) F61934-3DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____

Svetlana Izosimova, QAO (signature on file)

Date: December 19, 2008

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-SB40-16		
Lab Sample ID:	F61934-1	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	79.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054716.D	1	12/09/08	MM	12/04/08 14:05	n/a	VG2068
Run #2							

	Initial Weight
Run #1	5.76 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	54	27	ug/kg	
75-05-8	Acetonitrile	ND	54	17	ug/kg	
107-02-8	Acrolein	ND	27	11	ug/kg	
107-13-1	Acrylonitrile	ND	27	7.5	ug/kg	
107-05-1	Allyl chloride	ND	27	5.4	ug/kg	
71-43-2	Benzene	ND	5.4	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.4	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.4	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.4	1.8	ug/kg	
75-27-4	Bromodichloromethane	ND	5.4	1.3	ug/kg	
75-25-2	Bromoform	ND	5.4	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	5.4	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.4	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.4	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.4	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.4	2.2	ug/kg	
67-66-3	Chloroform	ND	5.4	1.8	ug/kg	
544-10-5	1-Chlorohexane	ND	5.4	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.4	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.4	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	27	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.4	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.4	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.4	2.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.4	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.4	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.4	2.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.4	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.4	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.4	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.4	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.4	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB40-16		
Lab Sample ID:	F61934-1	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	79.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.4	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.4	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.4	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.4	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	27	5.4	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.4	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.4	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.4	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.4	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.4	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.4	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	27	5.4	ug/kg	
76-13-1	Freon 113	ND	5.4	2.8	ug/kg	
591-78-6	2-Hexanone	ND	27	5.4	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.4	1.3	ug/kg	
110-54-3	Hexane	ND	5.4	2.6	ug/kg	
98-82-8	Isopropylbenzene	ND	5.4	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.4	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	27	7.0	ug/kg	
126-98-7	Methacrylonitrile	ND	27	6.0	ug/kg	
74-83-9	Methyl bromide	ND	5.4	2.4	ug/kg	
74-87-3	Methyl chloride	ND	5.4	2.6	ug/kg	
74-88-4	Methyl iodide	ND	11	2.2	ug/kg	
80-62-6	Methyl methacrylate	ND	27	5.4	ug/kg	
74-95-3	Methylene bromide	ND	5.4	1.6	ug/kg	
75-09-2	Methylene chloride	ND	11	5.4	ug/kg	
78-93-3	Methyl ethyl ketone	ND	27	9.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.4	1.6	ug/kg	
91-20-3	Naphthalene	ND	5.4	2.2	ug/kg	
76-01-7	Pentachloroethane	ND	27	5.4	ug/kg	
107-12-0	Propionitrile	ND	54	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.4	1.3	ug/kg	
100-42-5	Styrene	ND	5.4	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.4	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.4	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.4	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.4	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.4	2.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.4	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.4	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB40-16		
Lab Sample ID:	F61934-1	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	79.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.4	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.4	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.4	1.3	ug/kg	
108-88-3	Toluene	ND	5.4	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.4	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.4	2.2	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	27	5.4	ug/kg	
75-01-4	Vinyl chloride	ND	5.4	2.2	ug/kg	
108-05-4	Vinyl Acetate	ND	27	13	ug/kg	
	m,p-Xylene	ND	11	2.1	ug/kg	
95-47-6	o-Xylene	ND	5.4	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-121%
2037-26-5	Toluene-D8	90%		71-130%
460-00-4	4-Bromofluorobenzene	93%		59-148%
17060-07-0	1,2-Dichloroethane-D4	104%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB40-16		
Lab Sample ID:	F61934-1	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	79.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086360.D	1	12/10/08	JG	12/04/08 14:05	n/a	GCD3632
Run #2 [a]	QR045295.D	1	12/17/08	AH	12/04/08 14:05	n/a	GQR1969

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.23 g	5.0 ml	100 ul
Run #2	5.23 g	5.0 ml	100 ul

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	5.31	7.2	3.6	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	120%	100%	56-136%
98-08-8	aaa-Trifluorotoluene	87%	78%	61-121%

(a) Confirmation run.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB40-16		
Lab Sample ID:	F61934-1	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	79.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24517.D	1	12/12/08	NY	12/09/08	OP27388	GLL913
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.1	mg/kg	
	TPH (> C22-C36)	ND	10	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	79%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB40-20		
Lab Sample ID:	F61934-2	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	77.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054719.D	1	12/09/08	MM	12/04/08 14:05	n/a	VG2068
Run #2							

	Initial Weight
Run #1	5.78 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	44.3	56	28	ug/kg	J
75-05-8	Acetonitrile	ND	56	18	ug/kg	
107-02-8	Acrolein	ND	28	11	ug/kg	
107-13-1	Acrylonitrile	ND	28	7.7	ug/kg	
107-05-1	Allyl chloride	ND	28	5.6	ug/kg	
71-43-2	Benzene	ND	5.6	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.6	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.6	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.6	1.9	ug/kg	
75-27-4	Bromodichloromethane	ND	5.6	1.3	ug/kg	
75-25-2	Bromoform	ND	5.6	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	5.6	1.6	ug/kg	
135-98-8	sec-Butylbenzene	3.5	5.6	1.2	ug/kg	J
98-06-6	tert-Butylbenzene	1.4	5.6	1.2	ug/kg	J
108-90-7	Chlorobenzene	ND	5.6	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.6	2.2	ug/kg	
67-66-3	Chloroform	ND	5.6	1.9	ug/kg	
544-10-5	1-Chlorohexane	ND	5.6	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.6	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.6	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	28	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.6	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.6	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.6	2.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.6	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.6	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.6	2.7	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.6	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.6	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.6	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.6	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.6	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB40-20		
Lab Sample ID:	F61934-2	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	77.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.6	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.6	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.6	1.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.6	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	28	5.6	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.6	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.6	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.6	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.6	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.6	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.6	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	28	5.6	ug/kg	
76-13-1	Freon 113	ND	5.6	2.9	ug/kg	
591-78-6	2-Hexanone	ND	28	5.6	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.6	1.3	ug/kg	
110-54-3	Hexane	ND	5.6	2.7	ug/kg	
98-82-8	Isopropylbenzene	3.8	5.6	1.2	ug/kg	J
99-87-6	p-Isopropyltoluene	ND	5.6	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	28	7.1	ug/kg	
126-98-7	Methacrylonitrile	ND	28	6.1	ug/kg	
74-83-9	Methyl bromide	ND	5.6	2.5	ug/kg	
74-87-3	Methyl chloride	ND	5.6	2.7	ug/kg	
74-88-4	Methyl iodide	ND	11	2.2	ug/kg	
80-62-6	Methyl methacrylate	ND	28	5.6	ug/kg	
74-95-3	Methylene bromide	ND	5.6	1.7	ug/kg	
75-09-2	Methylene chloride [b]	5.6	11	5.6	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	28	9.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.6	1.7	ug/kg	
91-20-3	Naphthalene	ND	5.6	2.2	ug/kg	
76-01-7	Pentachloroethane	ND	28	5.6	ug/kg	
107-12-0	Propionitrile	ND	56	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.6	1.3	ug/kg	
100-42-5	Styrene	ND	5.6	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.6	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.6	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.6	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.6	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.6	2.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.6	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB40-20		
Lab Sample ID:	F61934-2	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	77.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.6	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.6	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.6	1.3	ug/kg	
108-88-3	Toluene	ND	5.6	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.6	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.6	2.2	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	28	5.6	ug/kg	
75-01-4	Vinyl chloride	ND	5.6	2.2	ug/kg	
108-05-4	Vinyl Acetate	ND	28	13	ug/kg	
	m,p-Xylene	ND	11	2.1	ug/kg	
95-47-6	o-Xylene	ND	5.6	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-121%
2037-26-5	Toluene-D8	89%		71-130%
460-00-4	4-Bromofluorobenzene	97%		59-148%
17060-07-0	1,2-Dichloroethane-D4	107%		77-123%

(a) Associated BS recovery outside control limits.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB40-20		
Lab Sample ID:	F61934-2	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	77.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086363.D	1	12/10/08	JG	12/04/08 14:05	n/a	GCD3632
Run #2 [a]	QR045272.D	1	12/16/08	AH	12/04/08 14:05	n/a	GQR1968

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.61 g	5.0 ml	100 ul
Run #2	5.61 g	5.0 ml	100 ul

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	7.78	7.2	3.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	93%	80%	56-136%
98-08-8	aaa-Trifluorotoluene	88%	79%	61-121%

(a) Confirmation run.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB40-20		
Lab Sample ID:	F61934-2	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	77.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24523.D	1	12/13/08	NY	12/09/08	OP27388	GLL913
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	11	6.4	mg/kg	
	TPH (> C22-C36)	ND	11	6.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	83%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB40-20-a		
Lab Sample ID:	F61934-3	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054720.D	1	12/09/08	MM	12/04/08 14:05	n/a	VG2068
Run #2							

	Initial Weight
Run #1	5.42 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	54	27	ug/kg	
75-05-8	Acetonitrile	ND	54	17	ug/kg	
107-02-8	Acrolein	ND	27	11	ug/kg	
107-13-1	Acrylonitrile	ND	27	7.4	ug/kg	
107-05-1	Allyl chloride	ND	27	5.4	ug/kg	
71-43-2	Benzene	ND	5.4	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.4	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.4	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.4	1.8	ug/kg	
75-27-4	Bromodichloromethane	ND	5.4	1.3	ug/kg	
75-25-2	Bromoform	ND	5.4	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	5.4	1.5	ug/kg	
135-98-8	sec-Butylbenzene	71.5	5.4	1.2	ug/kg	
98-06-6	tert-Butylbenzene	15.5	5.4	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.4	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.4	2.2	ug/kg	
67-66-3	Chloroform	ND	5.4	1.8	ug/kg	
544-10-5	1-Chlorohexane	ND	5.4	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.4	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.4	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	27	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.4	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.4	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.4	2.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.4	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.4	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.4	2.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.4	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.4	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.4	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.4	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.4	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB40-20-a		
Lab Sample ID:	F61934-3	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.4	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.4	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.4	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.4	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	27	5.4	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.4	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.4	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.4	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.4	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.4	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.4	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	27	5.4	ug/kg	
76-13-1	Freon 113	ND	5.4	2.8	ug/kg	
591-78-6	2-Hexanone	ND	27	5.4	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.4	1.3	ug/kg	
110-54-3	Hexane	ND	5.4	2.6	ug/kg	
98-82-8	Isopropylbenzene	29.5	5.4	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.4	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	27	6.9	ug/kg	
126-98-7	Methacrylonitrile	ND	27	5.9	ug/kg	
74-83-9	Methyl bromide	ND	5.4	2.4	ug/kg	
74-87-3	Methyl chloride	ND	5.4	2.6	ug/kg	
74-88-4	Methyl iodide	ND	11	2.2	ug/kg	
80-62-6	Methyl methacrylate	ND	27	5.4	ug/kg	
74-95-3	Methylene bromide	ND	5.4	1.6	ug/kg	
75-09-2	Methylene chloride [a]	6.5	11	5.4	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	27	9.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.4	1.6	ug/kg	
91-20-3	Naphthalene	ND	5.4	2.2	ug/kg	
76-01-7	Pentachloroethane	ND	27	5.4	ug/kg	
107-12-0	Propionitrile	ND	54	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.4	1.3	ug/kg	
100-42-5	Styrene	ND	5.4	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.4	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.4	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.4	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.4	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.4	2.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.4	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.4	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB40-20-a		
Lab Sample ID:	F61934-3	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.4	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.4	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.4	1.3	ug/kg	
108-88-3	Toluene	ND	5.4	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.4	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.4	2.2	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	27	5.4	ug/kg	
75-01-4	Vinyl chloride	ND	5.4	2.2	ug/kg	
108-05-4	Vinyl Acetate	ND	27	13	ug/kg	
	m,p-Xylene	ND	11	2.1	ug/kg	
95-47-6	o-Xylene	ND	5.4	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-121%
2037-26-5	Toluene-D8	98%		71-130%
460-00-4	4-Bromofluorobenzene	93%		59-148%
17060-07-0	1,2-Dichloroethane-D4	95%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB40-20-a		
Lab Sample ID:	F61934-3	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	85.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086391.D	1	12/11/08	JG	12/04/08 14:05	n/a	GCD3633
Run #2 [a]	QR045296.D	1	12/17/08	AH	12/04/08 14:05	n/a	GQR1969

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.47 g	5.0 ml	20.0 ul
Run #2	5.11 g	5.0 ml	20.0 ul

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	197	31	15	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	88% [b]		56-136%
460-00-4	4-Bromofluorobenzene	175% [c]	105%	56-136%
98-08-8	aaa-Trifluorotoluene	117%	116%	61-121%

(a) Confirmation run.
(b) Result reported from PID.
(c) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB40-20-a		
Lab Sample ID:	F61934-3	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	85.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24524.D	1	12/13/08	NY	12/09/08	OP27388	GLL913
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.6	5.8	mg/kg	
	TPH (> C22-C36)	ND	9.6	5.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	72%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB40-35		
Lab Sample ID:	F61934-4	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	76.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054791.D	1	12/11/08	MM	12/04/08 14:05	n/a	VG2070
Run #2							

	Initial Weight
Run #1	5.44 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	57.1	60	30	ug/kg	J
75-05-8	Acetonitrile	ND	60	19	ug/kg	
107-02-8	Acrolein	ND	30	12	ug/kg	
107-13-1	Acrylonitrile	ND	30	8.3	ug/kg	
107-05-1	Allyl chloride	ND	30	6.0	ug/kg	
71-43-2	Benzene	4.3	6.0	1.2	ug/kg	J
100-44-7	Benzyl Chloride	ND	6.0	1.3	ug/kg	
108-86-1	Bromobenzene	ND	6.0	1.2	ug/kg	
74-97-5	Bromochloromethane	ND	6.0	2.0	ug/kg	
75-27-4	Bromodichloromethane	ND	6.0	1.4	ug/kg	
75-25-2	Bromoform	ND	6.0	1.8	ug/kg	
104-51-8	n-Butylbenzene	ND	6.0	1.7	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.0	1.3	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.0	1.3	ug/kg	
108-90-7	Chlorobenzene	ND	6.0	1.2	ug/kg	
75-00-3	Chloroethane	ND	6.0	2.4	ug/kg	
67-66-3	Chloroform	ND	6.0	2.0	ug/kg	
544-10-5	1-Chlorohexane	ND	6.0	1.6	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.0	1.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.0	1.2	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	30	12	ug/kg	
75-15-0	Carbon disulfide	1.8	6.0	1.3	ug/kg	J
56-23-5	Carbon tetrachloride	ND	6.0	1.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.0	2.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.0	1.6	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.0	1.7	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.0	2.9	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.0	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.0	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.0	1.7	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.0	1.2	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.0	2.5	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB40-35		
Lab Sample ID:	F61934-4	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	76.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	6.0	1.2	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.0	2.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.0	1.9	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.0	1.6	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	30	6.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.0	1.2	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.0	1.2	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.0	1.2	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.0	1.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.0	1.2	ug/kg	
100-41-4	Ethylbenzene	ND	6.0	1.2	ug/kg	
97-63-2	Ethyl methacrylate	ND	30	6.0	ug/kg	
76-13-1	Freon 113	ND	6.0	3.1	ug/kg	
591-78-6	2-Hexanone	ND	30	6.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.0	1.4	ug/kg	
110-54-3	Hexane	ND	6.0	2.9	ug/kg	
98-82-8	Isopropylbenzene	ND	6.0	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.0	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	30	7.7	ug/kg	
126-98-7	Methacrylonitrile	ND	30	6.6	ug/kg	
74-83-9	Methyl bromide	ND	6.0	2.6	ug/kg	
74-87-3	Methyl chloride	ND	6.0	2.9	ug/kg	
74-88-4	Methyl iodide	ND	12	2.4	ug/kg	
80-62-6	Methyl methacrylate	ND	30	6.0	ug/kg	
74-95-3	Methylene bromide	ND	6.0	1.8	ug/kg	
75-09-2	Methylene chloride	ND	12	6.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	30	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.0	1.8	ug/kg	
91-20-3	Naphthalene	ND	6.0	2.4	ug/kg	
76-01-7	Pentachloroethane	ND	30	6.0	ug/kg	
107-12-0	Propionitrile	ND	60	14	ug/kg	
103-65-1	n-Propylbenzene	ND	6.0	1.4	ug/kg	
100-42-5	Styrene	ND	6.0	1.2	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.0	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.0	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.0	2.2	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.0	1.2	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.0	2.4	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.0	2.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.0	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB40-35		
Lab Sample ID:	F61934-4	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	76.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	6.0	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.0	1.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.0	1.4	ug/kg	
108-88-3	Toluene	ND	6.0	1.2	ug/kg	
79-01-6	Trichloroethylene	ND	6.0	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.0	2.4	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	30	6.0	ug/kg	
75-01-4	Vinyl chloride	ND	6.0	2.4	ug/kg	
108-05-4	Vinyl Acetate	ND	30	14	ug/kg	
	m,p-Xylene	ND	12	2.3	ug/kg	
95-47-6	o-Xylene	ND	6.0	1.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	82%		80-121%
2037-26-5	Toluene-D8	109%		71-130%
460-00-4	4-Bromofluorobenzene	105%		59-148%
17060-07-0	1,2-Dichloroethane-D4	67%		77-123%

(a) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB40-35		
Lab Sample ID:	F61934-4	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	76.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086365.D	1	12/10/08	JG	12/04/08 14:05	n/a	GCD3632
Run #2 [a]	QR045297.D	1	12/17/08	AH	12/04/08 14:05	n/a	GQR1969

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.61 g	5.0 ml	100 ul
Run #2	5.33 g	5.0 ml	100 ul

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.4	3.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	84%	81%	56-136%
98-08-8	aaa-Trifluorotoluene	83%	80%	61-121%

(a) Confirmation run.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB40-35		
Lab Sample ID:	F61934-4	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/04/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	76.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24525.D	1	12/13/08	NY	12/09/08	OP27388	GLL913
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	11	6.4	mg/kg	
	TPH (> C22-C36)	ND	11	6.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	83%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61934-5	**Date Sampled:**	12/03/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/04/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054722.D	1	12/09/08	MM	n/a	n/a	VG2068
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61934-5	**Date Sampled:**	12/03/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/04/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61934-5	**Date Sampled:**	12/03/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/04/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-121%
2037-26-5	Toluene-D8	91%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	104%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

F61934

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

Page 1 of 1

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number [1]: 12-3-2008-3

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Dustin McNiel + Craig Kinsman

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)					Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
1	SS61-SB40-16	SS61-SB40	03-Dec-2008	1035	14 - 16	N	01	SO	5	X	X	X									3
1	SS61-SB40-16-MS	SS61-SB40	03-Dec-2008	1035	14 - 16	MS	01	SO	5	X	X	X									3
1	SS61-SB40-16-MSD	SS61-SB40	03-Dec-2008	1035	14 - 16	SD	01	SO	5	X	X	X									3
2	SS61-SB40-20	SS61-SB40	03-Dec-2008	1050	18 - 20	N	01	SO	5	X	X	X									3
3	SS61-SB40-20-a	SS61-SB40	03-Dec-2008	1050	18 - 20	FD	01	SO	5	X	X	X									3
4	SS61-SB40-35	SS61-SB40	03-Dec-2008	1105	33 - 35	N	01	SO	5	X	X	X									3
5	Trip Blank				-	TB		WQ	3	X											3
					-																
					-																
					-																
					-																

Sample Analysis Requested [5] | Quality Assurance Samples [6]

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1.		12/03/08	1400			
2.					12-4-08	10:30
3.						

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: Shipped No.:

Method of Shipment: Airbill Number:

Analytical Lab: Accutest Laboratories Delivery Location:

Lab Recipient: Delivery Date/Time:

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

2.2

4.1 4

F61934: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61934 CLIENT: Bhate PROJECT: SS-61

DATE/TIME RECEIVED: 12-4-08 10:30 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.2

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8668 3474 8683

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [X] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 24

NUMBER OF 5035 FIELD KITS ? TB

NUMBER OF LAB FILTERED METALS ? 8

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE E.T. 12-4-08 TECHNICIAN SIGNATURE/DATE IC 12.4.08 ASBD 12/17/07

4.1 4

F61934: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61934
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2068-MB	G0054709.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61934-1, F61934-2, F61934-3, F61934-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61934
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2068-MB	G0054709.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61934-1, F61934-2, F61934-3, F61934-5

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	1.2	5.0	1.2	ug/kg	J
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F61934
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2068-MB	G0054709.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61934-1, F61934-2, F61934-3, F61934-5

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	1.4	5.0	1.0	ug/kg	J
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	80-121%
2037-26-5	Toluene-D8	91%	71-130%
460-00-4	4-Bromofluorobenzene	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	104%	77-123%

Method Blank Summary

Job Number: F61934
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2070-MB	G0054786.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61934-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61934
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2070-MB	G0054786.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61934-4

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	5.7	10	5.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F61934
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2070-MB	G0054786.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61934-4

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	97%	80-121%
2037-26-5	Toluene-D8	95%	71-130%
460-00-4	4-Bromofluorobenzene	100%	59-148%
17060-07-0	1,2-Dichloroethane-D4	101%	77-123%

Blank Spike Summary

Job Number: F61934
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2068-BS	G0054708.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61934-1, F61934-2, F61934-3, F61934-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	96.2	38*	61-144
75-05-8	Acetonitrile	500	391	78	59-139
107-02-8	Acrolein	250	67.9	27	27-156
107-13-1	Acrylonitrile	250	264	106	55-144
107-05-1	Allyl chloride	50	45.3	91	41-152
71-43-2	Benzene	50	47.4	95	78-130
100-44-7	Benzyl Chloride	50	42.2	84	74-130
108-86-1	Bromobenzene	50	49.2	98	78-123
74-97-5	Bromochloromethane	50	40.3	81	72-122
75-27-4	Bromodichloromethane	50	43.6	87	73-122
75-25-2	Bromoform	50	40.4	81	70-139
104-51-8	n-Butylbenzene	50	54.4	109	80-138
135-98-8	sec-Butylbenzene	50	52.5	105	82-132
98-06-6	tert-Butylbenzene	50	50.7	101	79-130
108-90-7	Chlorobenzene	50	47.4	95	83-122
75-00-3	Chloroethane	50	40.0	80	61-153
67-66-3	Chloroform	50	47.7	95	79-129
544-10-5	1-Chlorohexane	50	42.5	85	85-137
95-49-8	o-Chlorotoluene	50	50.5	101	77-123
106-43-4	p-Chlorotoluene	50	50.9	102	78-129
110-75-8	2-Chloroethyl vinyl ether	250	259	104	52-142
75-15-0	Carbon disulfide	50	36.6	73	61-142
56-23-5	Carbon tetrachloride	50	45.7	91	79-135
75-34-3	1,1-Dichloroethane	50	46.7	93	77-132
75-35-4	1,1-Dichloroethylene	50	41.8	84	66-132
563-58-6	1,1-Dichloropropene	50	45.0	90	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	39.0	78	67-129
106-93-4	1,2-Dibromoethane	50	41.5	83	77-126
107-06-2	1,2-Dichloroethane	50	41.4	83	78-129
78-87-5	1,2-Dichloropropane	50	46.1	92	74-127
142-28-9	1,3-Dichloropropane	50	43.4	87	78-118
594-20-7	2,2-Dichloropropane	50	52.5	105	80-137
124-48-1	Dibromochloromethane	50	39.1	78	78-117
75-71-8	Dichlorodifluoromethane	50	29.0	58	35-162
156-59-2	cis-1,2-Dichloroethylene	50	45.3	91	74-123
10061-01-5	cis-1,3-Dichloropropene	50	46.6	93	79-130

Blank Spike Summary

Job Number: F61934
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2068-BS	G0054708.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61934-1, F61934-2, F61934-3, F61934-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	41.8	84	71-126
541-73-1	m-Dichlorobenzene	50	48.6	97	82-126
95-50-1	o-Dichlorobenzene	50	48.8	98	83-123
106-46-7	p-Dichlorobenzene	50	50.6	101	84-124
156-60-5	trans-1,2-Dichloroethylene	50	44.1	88	77-129
10061-02-6	trans-1,3-Dichloropropene	50	49.4	99	87-131
100-41-4	Ethylbenzene	50	47.9	96	82-124
97-63-2	Ethyl methacrylate	50	39.6	79	78-118
76-13-1	Freon 113	50	32.7	65	62-147
591-78-6	2-Hexanone	250	186	74	67-130
87-68-3	Hexachlorobutadiene	50	47.1	94	77-150
110-54-3	Hexane	50	50.0	100	65-147
98-82-8	Isopropylbenzene	50	50.5	101	82-133
99-87-6	p-Isopropyltoluene	50	53.4	107	82-132
108-10-1	4-Methyl-2-pentanone	250	211	84	69-125
126-98-7	Methacrylonitrile	500	355	71	70-138
74-83-9	Methyl bromide	50	40.2	80	60-146
74-87-3	Methyl chloride	50	39.9	80	58-163
74-88-4	Methyl iodide	50	36.8	74	66-128
80-62-6	Methyl methacrylate	50	37.6	75	73-125
74-95-3	Methylene bromide	50	42.4	85	75-128
75-09-2	Methylene chloride	50	46.4	93	62-140
78-93-3	Methyl ethyl ketone	250	142	57*	66-134
1634-04-4	Methyl Tert Butyl Ether	50	41.3	83	70-131
91-20-3	Naphthalene	50	36.1	72	59-143
76-01-7	Pentachloroethane	50	47.0	94	64-156
107-12-0	Propionitrile	500	335	67*	73-133
103-65-1	n-Propylbenzene	50	51.7	103	78-129
100-42-5	Styrene	50	48.7	97	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	45.6	91	81-121
71-55-6	1,1,1-Trichloroethane	50	45.6	91	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	45.2	90	70-128
79-00-5	1,1,2-Trichloroethane	50	42.3	85	76-118
87-61-6	1,2,3-Trichlorobenzene	50	40.2	80	78-136
96-18-4	1,2,3-Trichloropropane	50	39.9	80	74-125
120-82-1	1,2,4-Trichlorobenzene	50	33.9	68*	82-137

Blank Spike Summary

Job Number: F61934
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2068-BS	G0054708.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61934-1, F61934-2, F61934-3, F61934-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	51.8	104	77-129
108-67-8	1,3,5-Trimethylbenzene	50	50.5	101	79-129
127-18-4	Tetrachloroethylene	50	47.9	96	79-132
108-88-3	Toluene	50	46.9	94	80-123
79-01-6	Trichloroethylene	50	45.0	90	78-132
75-69-4	Trichlorofluoromethane	50	40.0	80	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	93.9	188*	74-138
75-01-4	Vinyl chloride	50	37.2	74	60-145
108-05-4	Vinyl Acetate	250	337	135	25-164
	m,p-Xylene	100	98.5	99	82-128
95-47-6	o-Xylene	50	48.4	97	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	80-121%
2037-26-5	Toluene-D8	103%	71-130%
460-00-4	4-Bromofluorobenzene	98%	59-148%
17060-07-0	1,2-Dichloroethane-D4	92%	77-123%

Blank Spike Summary

Job Number: F61934
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2070-BS	G0054785.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61934-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	129	52*	61-144
75-05-8	Acetonitrile	500	402	80	59-139
107-02-8	Acrolein	250	37.5	15*	27-156
107-13-1	Acrylonitrile	250	207	83	55-144
107-05-1	Allyl chloride	50	59.1	118	41-152
71-43-2	Benzene	50	52.1	104	78-130
100-44-7	Benzyl Chloride	50	37.6	75	74-130
108-86-1	Bromobenzene	50	52.2	104	78-123
74-97-5	Bromochloromethane	50	41.6	83	72-122
75-27-4	Bromodichloromethane	50	47.9	96	73-122
75-25-2	Bromoform	50	41.7	83	70-139
104-51-8	n-Butylbenzene	50	56.9	114	80-138
135-98-8	sec-Butylbenzene	50	56.0	112	82-132
98-06-6	tert-Butylbenzene	50	55.3	111	79-130
108-90-7	Chlorobenzene	50	51.5	103	83-122
75-00-3	Chloroethane	50	43.6	87	61-153
67-66-3	Chloroform	50	51.9	104	79-129
544-10-5	1-Chlorohexane	50	55.5	111	85-137
95-49-8	o-Chlorotoluene	50	53.7	107	77-123
106-43-4	p-Chlorotoluene	50	54.3	109	78-129
110-75-8	2-Chloroethyl vinyl ether	250	304	122	52-142
75-15-0	Carbon disulfide	50	41.6	83	61-142
56-23-5	Carbon tetrachloride	50	52.7	105	79-135
75-34-3	1,1-Dichloroethane	50	52.9	106	77-132
75-35-4	1,1-Dichloroethylene	50	48.7	97	66-132
563-58-6	1,1-Dichloropropene	50	50.6	101	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	40.5	81	67-129
106-93-4	1,2-Dibromoethane	50	42.9	86	77-126
107-06-2	1,2-Dichloroethane	50	45.7	91	78-129
78-87-5	1,2-Dichloropropane	50	49.8	100	74-127
142-28-9	1,3-Dichloropropane	50	44.3	89	78-118
594-20-7	2,2-Dichloropropane	50	52.3	105	80-137
124-48-1	Dibromochloromethane	50	47.4	95	78-117
75-71-8	Dichlorodifluoromethane	50	33.9	68	35-162
156-59-2	cis-1,2-Dichloroethylene	50	49.0	98	74-123
10061-01-5	cis-1,3-Dichloropropene	50	50.7	101	79-130

Blank Spike Summary

Job Number: F61934
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2070-BS	G0054785.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61934-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	41.7	83	71-126
541-73-1	m-Dichlorobenzene	50	54.2	108	82-126
95-50-1	o-Dichlorobenzene	50	52.3	105	83-123
106-46-7	p-Dichlorobenzene	50	52.3	105	84-124
156-60-5	trans-1,2-Dichloroethylene	50	50.9	102	77-129
10061-02-6	trans-1,3-Dichloropropene	50	49.8	100	87-131
100-41-4	Ethylbenzene	50	52.6	105	82-124
97-63-2	Ethyl methacrylate	50	39.4	79	78-118
76-13-1	Freon 113	50	48.6	97	62-147
591-78-6	2-Hexanone	250	180	72	67-130
87-68-3	Hexachlorobutadiene	50	58.4	117	77-150
110-54-3	Hexane	50	53.0	106	65-147
98-82-8	Isopropylbenzene	50	55.1	110	82-133
99-87-6	p-Isopropyltoluene	50	56.2	112	82-132
108-10-1	4-Methyl-2-pentanone	250	191	76	69-125
126-98-7	Methacrylonitrile	500	401	80	70-138
74-83-9	Methyl bromide	50	49.4	99	60-146
74-87-3	Methyl chloride	50	48.2	96	58-163
74-88-4	Methyl iodide	50	40.5	81	66-128
80-62-6	Methyl methacrylate	50	44.9	90	73-125
74-95-3	Methylene bromide	50	48.0	96	75-128
75-09-2	Methylene chloride	50	51.9	104	62-140
78-93-3	Methyl ethyl ketone	250	149	60*	66-134
1634-04-4	Methyl Tert Butyl Ether	50	41.3	83	70-131
91-20-3	Naphthalene	50	46.9	94	59-143
76-01-7	Pentachloroethane	50	52.0	104	64-156
107-12-0	Propionitrile	500	371	74	73-133
103-65-1	n-Propylbenzene	50	55.3	111	78-129
100-42-5	Styrene	50	51.3	103	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	52.6	105	81-121
71-55-6	1,1,1-Trichloroethane	50	53.1	106	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	44.7	89	70-128
79-00-5	1,1,2-Trichloroethane	50	44.5	89	76-118
87-61-6	1,2,3-Trichlorobenzene	50	50.5	101	78-136
96-18-4	1,2,3-Trichloropropane	50	38.9	78	74-125
120-82-1	1,2,4-Trichlorobenzene	50	51.9	104	82-137

Blank Spike Summary

Job Number: F61934
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2070-BS	G0054785.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61934-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	55.2	110	77-129
108-67-8	1,3,5-Trimethylbenzene	50	54.7	109	79-129
127-18-4	Tetrachloroethylene	50	52.4	105	79-132
108-88-3	Toluene	50	51.6	103	80-123
79-01-6	Trichloroethylene	50	48.7	97	78-132
75-69-4	Trichlorofluoromethane	50	47.3	95	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	88.0	176*	74-138
75-01-4	Vinyl chloride	50	45.4	91	60-145
108-05-4	Vinyl Acetate	250	167	67	25-164
	m,p-Xylene	100	107	107	82-128
95-47-6	o-Xylene	50	52.9	106	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	80-121%
2037-26-5	Toluene-D8	98%	71-130%
460-00-4	4-Bromofluorobenzene	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	91%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61934
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61934-1MS	G0054717.D	1	12/09/08	MM	n/a	n/a	VG2068
F61934-1MSD	G0054718.D	1	12/09/08	MM	n/a	n/a	VG2068
F61934-1	G0054716.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61934-1, F61934-2, F61934-3, F61934-5

CAS No.	Compound	F61934-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		278	111	40*	117	42*	5	61-144/29
75-05-8	Acetonitrile	ND		557	438	79	444	79	1	59-139/30
107-02-8	Acrolein	ND		278	ND	0*	14.2	5*	200*	27-156/39
107-13-1	Acrylonitrile	ND		278	248	89	265	94	7	55-144/24
107-05-1	Allyl chloride	ND		55.7	53.6	96	53.5	95	0	41-152/24
71-43-2	Benzene	ND		55.7	54.6	98	53.5	95	2	78-130/25
100-44-7	Benzyl Chloride	ND		55.7	39.6	71*	38.9	69*	2	74-130/28
108-86-1	Bromobenzene	ND		55.7	57.3	103	58.0	103	1	78-123/30
74-97-5	Bromochloromethane	ND		55.7	47.8	86	47.2	84	1	72-122/23
75-27-4	Bromodichloromethane	ND		55.7	53.3	96	53.5	95	0	73-122/25
75-25-2	Bromoform	ND		55.7	52.7	95	48.0	85	9	70-139/26
104-51-8	n-Butylbenzene	ND		55.7	57.3	103	60.7	108	6	80-138/31
135-98-8	sec-Butylbenzene	ND		55.7	59.3	107	59.9	107	1	82-132/29
98-06-6	tert-Butylbenzene	ND		55.7	58.9	106	58.6	104	1	79-130/29
108-90-7	Chlorobenzene	ND		55.7	55.1	99	54.6	97	1	83-122/23
75-00-3	Chloroethane	ND		55.7	31.2	56*	32.0	57*	3	61-153/31
67-66-3	Chloroform	ND		55.7	55.0	99	55.3	98	1	79-129/27
544-10-5	1-Chlorohexane	ND		55.7	47.0	84*	46.0	82*	2	85-137/29
95-49-8	o-Chlorotoluene	ND		55.7	58.7	105	60.1	107	2	77-123/31
106-43-4	p-Chlorotoluene	ND		55.7	58.8	106	59.2	105	1	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		278	346	124	335	119	3	52-142/25
75-15-0	Carbon disulfide	ND		55.7	29.4	53*	29.8	53*	1	61-142/27
56-23-5	Carbon tetrachloride	ND		55.7	51.6	93	51.7	92	0	79-135/29
75-34-3	1,1-Dichloroethane	ND		55.7	53.2	96	53.6	95	1	77-132/26
75-35-4	1,1-Dichloroethylene	ND		55.7	34.3	62*	35.1	62*	2	66-132/27
563-58-6	1,1-Dichloropropene	ND		55.7	49.9	90	50.6	90	1	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		55.7	22.9	41*	36.7	65*	46*	67-129/29
106-93-4	1,2-Dibromoethane	ND		55.7	54.4	98	50.5	90	7	77-126/24
107-06-2	1,2-Dichloroethane	ND		55.7	51.0	92	49.9	89	2	78-129/24
78-87-5	1,2-Dichloropropane	ND		55.7	56.0	101	54.2	96	3	74-127/27
142-28-9	1,3-Dichloropropane	ND		55.7	54.4	98	50.9	91	7	78-118/26
594-20-7	2,2-Dichloropropane	ND		55.7	52.1	94	53.4	95	2	80-137/28
124-48-1	Dibromochloromethane	ND		55.7	50.6	91	47.6	85	6	78-117/27
75-71-8	Dichlorodifluoromethane	ND		55.7	22.5	40	21.8	39	3	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		55.7	50.2	90	51.7	92	3	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		55.7	54.9	99	54.9	98	0	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61934
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61934-1MS	G0054717.D	1	12/09/08	MM	n/a	n/a	VG2068
F61934-1MSD	G0054718.D	1	12/09/08	MM	n/a	n/a	VG2068
F61934-1	G0054716.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61934-1, F61934-2, F61934-3, F61934-5

CAS No.	Compound	F61934-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		55.7	52.8	95	53.1	95	1	71-126/28
541-73-1	m-Dichlorobenzene	ND		55.7	56.0	101	57.5	102	3	82-126/29
95-50-1	o-Dichlorobenzene	ND		55.7	55.7	100	56.5	101	1	83-123/28
106-46-7	p-Dichlorobenzene	ND		55.7	56.9	102	57.8	103	2	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		55.7	49.9	90	49.8	89	0	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		55.7	59.8	107	57.8	103	3	87-131/27
100-41-4	Ethylbenzene	ND		55.7	55.4	100	53.4	95	4	82-124/25
97-63-2	Ethyl methacrylate	ND		55.7	24.9	45*	22.5	40*	10	78-118/30
76-13-1	Freon 113	ND		55.7	29.9	54*	54.8	98	59*	62-147/29
591-78-6	2-Hexanone	ND		278	233	84	205	73	13	67-130/29
87-68-3	Hexachlorobutadiene	ND		55.7	11.2	20*	27.2	48*	83*	77-150/36
110-54-3	Hexane	ND		55.7	47.5	85	47.0	84	1	65-147/27
98-82-8	Isopropylbenzene	ND		55.7	58.5	105	56.7	101	3	82-133/27
99-87-6	p-Isopropyltoluene	ND		55.7	58.7	105	60.2	107	3	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		278	288	103	264	94	9	69-125/24
126-98-7	Methacrylonitrile	ND		557	469	84	466	83	1	70-138/22
74-83-9	Methyl bromide	ND		55.7	31.9	57*	32.6	58*	2	60-146/31
74-87-3	Methyl chloride	ND		55.7	32.3	58	32.0	57*	1	58-163/26
74-88-4	Methyl iodide	ND		55.7	28.5	51*	29.5	53*	3	66-128/27
80-62-6	Methyl methacrylate	ND		55.7	63.0	113	55.9	100	12	73-125/24
74-95-3	Methylene bromide	ND		55.7	51.5	93	50.0	89	3	75-128/26
75-09-2	Methylene chloride	ND		55.7	53.4	96	50.5	90	6	62-140/25
78-93-3	Methyl ethyl ketone	ND		278	134	48*	133	47*	1	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		55.7	51.9	93	50.3	90	3	70-131/25
91-20-3	Naphthalene	ND		55.7	16.6	30*	18.7	33*	12	59-143/31
76-01-7	Pentachloroethane	ND		55.7	51.2	92	51.4	92	0	64-156/37
107-12-0	Propionitrile	ND		557	465	84	431	77	8	73-133/23
103-65-1	n-Propylbenzene	ND		55.7	58.4	105	58.5	104	0	78-129/29
100-42-5	Styrene	ND		55.7	58.7	105	56.7	101	3	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		55.7	56.5	101	52.7	94	7	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		55.7	53.5	96	52.8	94	1	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		55.7	59.2	106	57.6	103	3	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		55.7	55.2	99	52.4	93	5	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		55.7	23.6	42*	28.1	50*	17	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		55.7	50.5	91	49.5	88	2	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		55.7	3.7	7*	8.0	14*	74*	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61934
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61934-1MS	G0054717.D	1	12/09/08	MM	n/a	n/a	VG2068
F61934-1MSD	G0054718.D	1	12/09/08	MM	n/a	n/a	VG2068
F61934-1	G0054716.D	1	12/09/08	MM	n/a	n/a	VG2068

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61934-1, F61934-2, F61934-3, F61934-5

CAS No.	Compound	F61934-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		55.7	59.9	108	60.5	108	1	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		55.7	59.2	106	59.7	106	1	79-129/31
127-18-4	Tetrachloroethylene	ND		55.7	59.5	107	56.8	101	5	79-132/27
108-88-3	Toluene	ND		55.7	55.0	99	54.3	97	1	80-123/26
79-01-6	Trichloroethylene	ND		55.7	51.5	93	49.3	88	4	78-132/28
75-69-4	Trichlorofluoromethane	ND		55.7	31.7	57*	32.6	58*	3	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		55.7	117	210*	108	192*	8	74-138/30
75-01-4	Vinyl chloride	ND		55.7	29.2	52*	30.0	53*	3	60-145/29
108-05-4	Vinyl Acetate	ND		278	58.8	21*	59.9	21*	2	25-164/35
	m,p-Xylene	ND		111	114	102	112	100	2	82-128/25
95-47-6	o-Xylene	ND		55.7	57.6	103	56.1	100	3	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61934-1	Limits
1868-53-7	Dibromofluoromethane	98%	97%	102%	80-121%
2037-26-5	Toluene-D8	104%	104%	90%	71-130%
460-00-4	4-Bromofluorobenzene	100%	97%	93%	59-148%
17060-07-0	1,2-Dichloroethane-D4	94%	91%	104%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61934
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61879-3MS	G0054789.D	1	12/11/08	MM	n/a	n/a	VG2070
F61879-3MSD	G0054790.D	1	12/11/08	MM	n/a	n/a	VG2070
F61879-3	G0054788.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61934-4

CAS No.	Compound	F61879-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	32.9		311	121	28*	128	31*	6	61-144/29
75-05-8	Acetonitrile	ND		622	463	74	513	83	10	59-139/30
107-02-8	Acrolein	ND		311	ND	0*	ND	0*	nc	27-156/39
107-13-1	Acrylonitrile	ND		311	239	77	270	87	12	55-144/24
107-05-1	Allyl chloride	ND		62.2	67.9	109	66.6	108	2	41-152/24
71-43-2	Benzene	ND		62.2	62.1	100	61.5	99	1	78-130/25
100-44-7	Benzyl Chloride	ND		62.2	31.0	50*	31.3	51*	1	74-130/28
108-86-1	Bromobenzene	ND		62.2	64.2	103	59.6	96	7	78-123/30
74-97-5	Bromochloromethane	ND		62.2	53.1	85	51.0	82	4	72-122/23
75-27-4	Bromodichloromethane	ND		62.2	57.9	93	58.4	94	1	73-122/25
75-25-2	Bromoform	ND		62.2	52.1	84	53.4	86	2	70-139/26
104-51-8	n-Butylbenzene	ND		62.2	64.1	103	61.6	100	4	80-138/31
135-98-8	sec-Butylbenzene	ND		62.2	65.6	106	62.1	100	5	82-132/29
98-06-6	tert-Butylbenzene	ND		62.2	67.1	108	61.5	99	9	79-130/29
108-90-7	Chlorobenzene	ND		62.2	65.5	105	60.2	97	8	83-122/23
75-00-3	Chloroethane	ND		62.2	55.3	89	54.1	88	2	61-153/31
67-66-3	Chloroform	ND		62.2	63.4	102	63.0	102	1	79-129/27
544-10-5	1-Chlorohexane	ND		62.2	63.3	102	59.7	97	6	85-137/29
95-49-8	o-Chlorotoluene	ND		62.2	64.2	103	61.9	100	4	77-123/31
106-43-4	p-Chlorotoluene	ND		62.2	64.3	103	60.8	98	6	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		311	367	118	405	131	10	52-142/25
75-15-0	Carbon disulfide	1.4	J	62.2	50.8	79	49.4	78	3	61-142/27
56-23-5	Carbon tetrachloride	ND		62.2	65.9	106	52.5	85	23	79-135/29
75-34-3	1,1-Dichloroethane	ND		62.2	64.2	103	63.6	103	1	77-132/26
75-35-4	1,1-Dichloroethylene	ND		62.2	58.4	94	57.2	93	2	66-132/27
563-58-6	1,1-Dichloropropene	ND		62.2	60.8	98	57.8	93	5	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		62.2	48.2	78	55.9	90	15	67-129/29
106-93-4	1,2-Dibromoethane	ND		62.2	54.5	88	52.6	85	4	77-126/24
107-06-2	1,2-Dichloroethane	ND		62.2	55.7	90	58.3	94	5	78-129/24
78-87-5	1,2-Dichloropropane	ND		62.2	58.5	94	60.7	98	4	74-127/27
142-28-9	1,3-Dichloropropane	ND		62.2	55.5	89	55.4	90	0	78-118/26
594-20-7	2,2-Dichloropropane	ND		62.2	52.4	84	49.5	80	6	80-137/28
124-48-1	Dibromochloromethane	ND		62.2	57.8	93	55.9	90	3	78-117/27
75-71-8	Dichlorodifluoromethane	ND		62.2	38.8	62	36.6	59	6	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		62.2	58.4	94	59.0	95	1	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		62.2	58.3	94	60.7	98	4	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61934
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61879-3MS	G0054789.D	1	12/11/08	MM	n/a	n/a	VG2070
F61879-3MSD	G0054790.D	1	12/11/08	MM	n/a	n/a	VG2070
F61879-3	G0054788.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61934-4

CAS No.	Compound	F61879-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		62.2	45.3	73	48.3	78	6	71-126/28
541-73-1	m-Dichlorobenzene	ND		62.2	64.4	104	62.7	101	3	82-126/29
95-50-1	o-Dichlorobenzene	ND		62.2	65.1	105	60.9	99	7	83-123/28
106-46-7	p-Dichlorobenzene	ND		62.2	63.4	102	61.6	100	3	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		62.2	59.9	96	58.5	95	2	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		62.2	60.4	97	60.2	97	0	87-131/27
100-41-4	Ethylbenzene	ND		62.2	65.8	106	62.2	101	6	82-124/25
97-63-2	Ethyl methacrylate	ND		62.2	7.7	12*	8.1	13*	5	78-118/30
76-13-1	Freon 113	ND		62.2	55.5	89	55.8	90	1	62-147/29
591-78-6	2-Hexanone	ND		311	195	63*	211	68	8	67-130/29
87-68-3	Hexachlorobutadiene	ND		62.2	66.0	106	58.8	95	12	77-150/36
110-54-3	Hexane	ND		62.2	56.1	90	49.6	80	12	65-147/27
98-82-8	Isopropylbenzene	ND		62.2	69.4	112	64.6	104	7	82-133/27
99-87-6	p-Isopropyltoluene	ND		62.2	66.1	106	63.5	103	4	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		311	239	77	256	83	7	69-125/24
126-98-7	Methacrylonitrile	ND		622	458	74	523	85	13	70-138/22
74-83-9	Methyl bromide	ND		62.2	57.0	92	56.3	91	1	60-146/31
74-87-3	Methyl chloride	ND		62.2	57.8	93	56.2	91	3	58-163/26
74-88-4	Methyl iodide	ND		62.2	48.5	78	45.8	74	6	66-128/27
80-62-6	Methyl methacrylate	ND		62.2	49.4	79	52.6	85	6	73-125/24
74-95-3	Methylene bromide	ND		62.2	57.4	92	57.0	92	1	75-128/26
75-09-2	Methylene chloride	ND		62.2	64.0	103	61.4	99	4	62-140/25
78-93-3	Methyl ethyl ketone	ND		311	126	41*	151	49*	18	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		62.2	49.8	80	52.5	85	5	70-131/25
91-20-3	Naphthalene	ND		62.2	56.2	90	57.4	93	2	59-143/31
76-01-7	Pentachloroethane	ND		62.2	63.0	101	57.6	93	9	64-156/37
107-12-0	Propionitrile	ND		622	418	67*	469	76	11	73-133/23
103-65-1	n-Propylbenzene	ND		62.2	63.0	101	61.0	99	3	78-129/29
100-42-5	Styrene	ND		62.2	65.6	106	61.3	99	7	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		62.2	63.6	102	63.9	103	0	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		62.2	64.5	104	59.9	97	7	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		62.2	52.1	84	56.8	92	9	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		62.2	55.7	90	56.8	92	2	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		62.2	58.1	93	60.1	97	3	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		62.2	46.7	75	49.3	80	5	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		62.2	62.0	100	59.6	96	4	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61934
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61879-3MS	G0054789.D	1	12/11/08	MM	n/a	n/a	VG2070
F61879-3MSD	G0054790.D	1	12/11/08	MM	n/a	n/a	VG2070
F61879-3	G0054788.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61934-4

CAS No.	Compound	F61879-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		62.2	65.3	105	63.3	102	3	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		62.2	66.0	106	61.6	100	7	79-129/31
127-18-4	Tetrachloroethylene	ND		62.2	71.6	115	69.8	113	3	79-132/27
108-88-3	Toluene	ND		62.2	65.5	105	60.7	98	8	80-123/26
79-01-6	Trichloroethylene	ND		62.2	61.1	98	59.6	96	2	78-132/28
75-69-4	Trichlorofluoromethane	ND		62.2	55.8	90	52.8	85	6	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		62.2	90.5	146*	101	163*	11	74-138/30
75-01-4	Vinyl chloride	ND		62.2	49.7	80	49.4	80	1	60-145/29
108-05-4	Vinyl Acetate	ND		311	20.9	7*	21.6	7*	3	25-164/35
	m,p-Xylene	ND		124	135	109	124	100	8	82-128/25
95-47-6	o-Xylene	ND		62.2	66.6	107	61.9	100	7	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61879-3	Limits
1868-53-7	Dibromofluoromethane	96%	100%	99%	80-121%
2037-26-5	Toluene-D8	100%	100%	94%	71-130%
460-00-4	4-Bromofluorobenzene	96%	92%	93%	59-148%
17060-07-0	1,2-Dichloroethane-D4	84%	101%	98%	77-123%

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61934
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3632-MB	CD086352.D	1	12/10/08	JG	n/a	n/a	GCD3632

The QC reported here applies to the following samples: **Method:** SW846 8015

F61934-1, F61934-2, F61934-4

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	85%	56-136%
98-08-8	aaa-Trifluorotoluene	83%	61-121%

Method Blank Summary

Job Number: F61934
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3633-MB	CD086380.D	1	12/11/08	JG	n/a	n/a	GCD3633

The QC reported here applies to the following samples: **Method:** SW846 8015

F61934-3

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	82%	56-136%
98-08-8	aaa-Trifluorotoluene	83%	61-121%

Method Blank Summary

Job Number: F61934
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1968-MB	QR045268.D	1	12/16/08	AH	n/a	n/a	GQR1968

The QC reported here applies to the following samples: **Method:** SW846 8015

F61934-2

CAS No.	Compound	Result	RL	MDL	Units	Q

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	65%	56-136%
98-08-8	aaa-Trifluorotoluene	73%	61-121%

Method Blank Summary

Job Number: F61934
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1969-MB	QR045294.D	1	12/17/08	AH	n/a	n/a	GQR1969

The QC reported here applies to the following samples: **Method:** SW846 8015

F61934-1, F61934-3, F61934-4

CAS No.	Compound	Result	RL	MDL	Units	Q

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	98%	56-136%
98-08-8	aaa-Trifluorotoluene	83%	61-121%

Blank Spike Summary

Job Number: F61934
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3632-BS	CD086351.D	1	12/10/08	JG	n/a	n/a	GCD3632

The QC reported here applies to the following samples: **Method:** SW846 8015

F61934-1, F61934-2, F61934-4

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	20.0	100	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	104%	56-136%
98-08-8	aaa-Trifluorotoluene	98%	61-121%

Blank Spike Summary

Job Number: F61934
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3633-BS	CD086379.D	1	12/11/08	JG	n/a	n/a	GCD3633

The QC reported here applies to the following samples: **Method:** SW846 8015

F61934-3

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	19.3	97	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	110%	56-136%
98-08-8	aaa-Trifluorotoluene	86%	61-121%

Blank Spike Summary

Job Number: F61934
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1968-BS	QR045267.D	1	12/16/08	AH	n/a	n/a	GQR1968

The QC reported here applies to the following samples: **Method:** SW846 8015

F61934-2

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	90%	56-136%
98-08-8	aaa-Trifluorotoluene	89%	61-121%

Blank Spike Summary

Job Number: F61934
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1969-BS	QR045293.D	1	12/17/08	AH	n/a	n/a	GQR1969

The QC reported here applies to the following samples: **Method:** SW846 8015

F61934-1, F61934-3, F61934-4

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	105%	56-136%
98-08-8	aaa-Trifluorotoluene	98%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61934
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61934-1MS	CD086366.D	1	12/10/08	JG	n/a	n/a	GCD3632
F61934-1MSD	CD086367.D	1	12/10/08	JG	n/a	n/a	GCD3632
F61934-1	CD086360.D	1	12/10/08	JG	n/a	n/a	GCD3632

The QC reported here applies to the following samples: **Method:** SW846 8015

F61934-1, F61934-2, F61934-4

CAS No.	Compound	F61934-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	5.31	J	29	29.9	85	29.1	82	3	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61934-1	Limits
460-00-4	4-Bromofluorobenzene	119%	119%	120%	56-136%
98-08-8	aaa-Trifluorotoluene	99%	101%	87%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61934
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61976-2MS	QR045285.D	1	12/16/08	AH	n/a	n/a	GQR1968
F61976-2MSD	QR045286.D	1	12/16/08	AH	n/a	n/a	GQR1968
F61976-2	QR045276.D	1	12/16/08	AH	n/a	n/a	GQR1968

The QC reported here applies to the following samples: **Method:** SW846 8015

F61934-2

CAS No.	Compound	F61976-2 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD

CAS No.	Surrogate Recoveries	MS	MSD	F61976-2	Limits
460-00-4	4-Bromofluorobenzene	115%	117%	110%	56-136%
98-08-8	aaa-Trifluorotoluene	112%	114%	98%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61934
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62034-1MS	QR045318.D	1	12/17/08	AH	n/a	n/a	GQR1969
F62034-1MSD	QR045319.D	1	12/17/08	AH	n/a	n/a	GQR1969
F62034-1 [a]	QR045310.D	1	12/17/08	AH	n/a	n/a	GQR1969

The QC reported here applies to the following samples: **Method:** SW846 8015

F61934-1, F61934-3, F61934-4

CAS No.	Compound	F62034-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD

CAS No.	Surrogate Recoveries	MS	MSD	F62034-1	Limits
460-00-4	4-Bromofluorobenzene	86%	92%	78%	56-136%
98-08-8	aaa-Trifluorotoluene	93%	96%	81%	61-121%

(a) Confirmation run.

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61934
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27388-MB	LL24505.D	1	12/12/08	NY	12/09/08	OP27388	GLL913

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61934-1, F61934-2, F61934-3, F61934-4

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	86%	49-108%

Method Blank Summary

Job Number: F61934
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27388-MB	LL24565.D	1	12/17/08	NY	12/09/08	OP27388	GLL916

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61934-1, F61934-2, F61934-3, F61934-4

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	80%	49-108%

Blank Spike Summary

Job Number: F61934
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27388-BS	LL24504.D	1	12/12/08	NY	12/09/08	OP27388	GLL913

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61934-1, F61934-2, F61934-3, F61934-4

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	28.1	84	64-102
	TPH (> C22-C36)	33.3	32.5	98	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	83%	49-108%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61934
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27388-MS	LL24521.D	1	12/13/08	NY	12/09/08	OP27388	GLL913
OP27388-MSD	LL24522.D	1	12/13/08	NY	12/09/08	OP27388	GLL913
F61934-1	LL24517.D	1	12/12/08	NY	12/09/08	OP27388	GLL913

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61934-1, F61934-2, F61934-3, F61934-4

CAS No.	Compound	F61934-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		41.3	31.0	75	33.8	81	9	64-102/32
	TPH (> C22-C36)	ND		41.3	35.0	85	39.1	94	11	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F61934-1	Limits
84-15-1	o-Terphenyl	77%	82%	79%	49-108%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/29/08

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F61975

Sampling Date: 12/04/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **426**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Sections: 1 2 3 4 5 6 7 8 9 10 11

Table of Contents

Section 1: Sample Summary **4**
Section 2: Case Narrative/Conformance Summary **5**
Section 3: Sample Results **7**
3.1: F61975-1: SS61-SB43-12 8
3.2: F61975-2: SS61-SB43-15 13
3.3: F61975-3: SS61-SB43-15-a 18
3.4: F61975-4: SS61-SB43-30 23
3.5: F61975-5: SS61-SB44-25 28
3.6: F61975-6: SS61-SB44-26 33
3.7: F61975-7: SS61-SB44-30 38
3.8: F61975-8: TRIP BLANK 43
Section 4: Misc. Forms **46**
4.1: Chain of Custody 47
Section 5: GC/MS Volatiles - QC Data Summaries **49**
5.1: Method Blank Summary 50
5.2: Blank Spike Summary 56
5.3: Matrix Spike/Matrix Spike Duplicate Summary 62
5.4: Instrument Performance Checks (BFB) 68
5.5: Internal Standard Area Summaries 71
5.6: Surrogate Recovery Summaries 73
5.7: Initial and Continuing Calibration Summaries 74
Section 6: GC/MS Volatiles - Raw Data **83**
6.1: Samples 84
6.2: Method Blanks 116
6.3: Blank Spikes 122
6.4: Matrix Spike/Matrix Spike Duplicates 130
6.5: Instrument Performance Checks (BFB) 146
6.6: Initial and Continuing Calibarations 148
6.7: Instrument Run Logs 192
Section 7: GC Volatiles - QC Data Summaries **214**
7.1: Method Blank Summary 215
7.2: Blank Spike Summary 217
7.3: Matrix Spike/Matrix Spike Duplicate Summary 219
7.4: Surrogate Recovery Summaries 221
7.5: GC Surrogate Retention Time Summaries 222
7.6: Initial and Continuing Calibration Summaries 226
Section 8: GC Volatiles - Raw Data **237**
8.1: Samples 238
8.2: Method Blanks 252
8.3: Blank Spikes 256
8.4: Matrix Spike/Matrix Spike Duplicates 260
8.5: Initial and Continuing Calibarations 268

Table of Contents

8.6: Instrument Run Logs 310
Section 9: GC Semi-volatiles - QC Data Summaries 332
9.1: Method Blank Summary 333
9.2: Blank Spike Summary 335
9.3: Matrix Spike/Matrix Spike Duplicate Summary 336
9.4: Surrogate Recovery Summaries 337
9.5: GC Surrogate Retention Time Summaries 338
9.6: Initial and Continuing Calibration Summaries 342
Section 10: GC Semi-volatiles - Raw Data 352
10.1: Samples 353
10.2: Method Blanks 367
10.3: Blank Spikes 371
10.4: Matrix Spike/Matrix Spike Duplicates 373
10.5: Initial and Continuing Calibarations 377
10.6: Instrument Run Logs 417
10.7: Prep Logs 423
Section 11: General Chemistry - QC Data Summaries 424
11.1: Percent Solids Raw Data Summary 425

Sample Summary

North Wind, Inc

Job No: F61975

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F61975-1	12/04/08	07:45	ZB	12/05/08	SO	Soil	SS61-SB43-12
F61975-2	12/04/08	08:00	ZB	12/05/08	SO	Soil	SS61-SB43-15
F61975-3	12/04/08	08:00	ZB	12/05/08	SO	Soil	SS61-SB43-15-a
F61975-4	12/04/08	08:15	ZB	12/05/08	SO	Soil	SS61-SB43-30
F61975-5	12/04/08	10:00	ZB	12/05/08	SO	Soil	SS61-SB44-25
F61975-6	12/04/08	10:10	ZB	12/05/08	SO	Soil	SS61-SB44-26
F61975-7	12/04/08	10:20	ZB	12/05/08	SO	Soil	SS61-SB44-30
F61975-8	12/04/08	00:00	ZB	12/05/08	SO	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F61975

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date:** 12/28/2008 11:47:21

7 Samples and 1 Trip Blank were collected on 12/04/2008 and were received at Accutest SE on 12/05/2008 properly preserved, at 1.8 Deg. C and intact. These Samples received an Accutest job number of F61975. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS by Method SW846 8260B

Matrix: SO **Batch ID:** VG2070

All samples were analyzed within the recommended method holding time.

Samples F61879-3MS, F61879-3MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Samples F61975-1, F61975-2 have compounds reported with a “B” qualifier, indicating analyte is found in the associated method blank.

Blank Spike Recoverys for Acetone, Acrolein, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recoverys for 2-Hexanone, Acetone, Acrolein, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Propionitrile, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause: due to matrix interference.

Matrix Spike Duplicate Recoverys for Acetone, Acrolein, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause: due to matrix interference.

F61975-2: Methanol extract analysis required due to matrix interference.

F61975-1, F61975-2 for Methylene chloride: Suspected laboratory contaminant.

Matrix: SO **Batch ID:** VG2071

All samples were analyzed within the recommended method holding time.

Samples F61975-4MS, F61975-4MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recoverys for Acetone, Acrolein, Methyl ethyl ketone, Propionitrile, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recoverys for Acetone, Acrolein, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause: due to matrix interference.

Matrix Spike Duplicate Recoverys for 2-Hexanone, Acetone, Acrolein, Benzyl Chloride, Ethyl methacrylate, Methacrylonitrile, Methyl ethyl ketone, Propionitrile, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause: due to matrix interference.

RPDs for MSD for Acetone, Acetonitrile, Acrylonitrile, Methacrylonitrile, Methyl ethyl ketone, Methyl methacrylate, Propionitrile, Vinyl Acetate are outside control limits for sample F61975-4MSD. Probable cause due to sample non-homogeneity.

F61975-3, F61975-4, F61975-5, F61975-6, F61975-7 for Methylene chloride: Suspected laboratory contaminant.

F61975-3, F61975-4, F61975-5, F61975-6, F61975-7, F61975-8 for Acetone: CCV outside of control limits; results may be biased low.

F61975-3, F61975-4, F61975-5, F61975-6, F61975-7, F61975-8 for Propionitrile: CCV outside of control limits; results may be biased low.

F61975-3, F61975-4, F61975-5, F61975-6, F61975-7, F61975-8 for Methyl ethyl ketone: CCV outside of control limits; results may be biased low.

Volatiles by GC by Method SW846 8015

Original data was discarded and all samples were re-analyzed when it was discovered the auto sampler was not delivering the sample aliquot to the instrument properly. This resulted in erroneously low results.

Matrix: SO **Batch ID:** GCD3636

All samples were analyzed within the recommended method holding time.

Samples F61975-4MS, F61975-4MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Matrix: SO **Batch ID:** GQR1968

All samples were analyzed within the recommended method holding time.

Samples F61976-2MS, F61976-2MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Extractables by GC by Method SW846 8015 M

Matrix: SO **Batch ID:** OP27388

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F61934-1MS, F61934-1MSD were used as the QC samples indicated.

Wet Chemistry by Method SM19 2540B M

Matrix: SO **Batch ID:** GN33071

Sample F61975-1DUP was used as the QC sample for Solids, Percent.

Matrix: SO **Batch ID:** GN33074

Sample F61975-3DUP was used as the QC sample for Solids, Percent.

Matrix: SO **Batch ID:** GN33099

Sample F61975-7DUP was used as the QC sample for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

_____ Date: December 28, 2008

Ellen Pampel, Inorganic QA (signature on file)

Sunday, December 28, 2008

Sample Results

Report of Analysis

Accutest LabLink@84555 18:06 29-Dec-2008

Report of Analysis

Client Sample ID:	SS61-SB43-12		
Lab Sample ID:	F61975-1	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054802.D	1	12/11/08	MM	12/05/08 11:15	n/a	VG2070
Run #2							

	Initial Weight
Run #1	5.39 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	55	28	ug/kg	
75-05-8	Acetonitrile	ND	55	18	ug/kg	
107-02-8	Acrolein	ND	28	11	ug/kg	
107-13-1	Acrylonitrile	ND	28	7.6	ug/kg	
107-05-1	Allyl chloride	ND	28	5.5	ug/kg	
71-43-2	Benzene	ND	5.5	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.5	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.5	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.5	1.9	ug/kg	
75-27-4	Bromodichloromethane	ND	5.5	1.3	ug/kg	
75-25-2	Bromoform	ND	5.5	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	5.5	1.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.5	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.5	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.5	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.5	2.2	ug/kg	
67-66-3	Chloroform	ND	5.5	1.9	ug/kg	
544-10-5	1-Chlorohexane	ND	5.5	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.5	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.5	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	28	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.5	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.5	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.5	2.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.5	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.5	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.5	2.7	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.5	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.5	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.5	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.5	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.5	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB43-12		
Lab Sample ID:	F61975-1	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.5	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.5	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.5	1.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.5	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	28	5.5	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.5	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.5	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.5	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.5	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.5	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.5	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	28	5.5	ug/kg	
76-13-1	Freon 113	ND	5.5	2.9	ug/kg	
591-78-6	2-Hexanone	ND	28	5.5	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.5	1.3	ug/kg	
110-54-3	Hexane	ND	5.5	2.7	ug/kg	
98-82-8	Isopropylbenzene	ND	5.5	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.5	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	28	7.1	ug/kg	
126-98-7	Methacrylonitrile	ND	28	6.1	ug/kg	
74-83-9	Methyl bromide	ND	5.5	2.4	ug/kg	
74-87-3	Methyl chloride	ND	5.5	2.7	ug/kg	
74-88-4	Methyl iodide	ND	11	2.2	ug/kg	
80-62-6	Methyl methacrylate	ND	28	5.5	ug/kg	
74-95-3	Methylene bromide	ND	5.5	1.7	ug/kg	
75-09-2	Methylene chloride [a]	18.5	11	5.5	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	28	9.2	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.5	1.7	ug/kg	
91-20-3	Naphthalene	ND	5.5	2.2	ug/kg	
76-01-7	Pentachloroethane	ND	28	5.5	ug/kg	
107-12-0	Propionitrile	ND	55	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.5	1.3	ug/kg	
100-42-5	Styrene	ND	5.5	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.5	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.5	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.5	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.5	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.5	2.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.5	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.5	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB43-12		
Lab Sample ID:	F61975-1	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.5	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.5	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.5	1.3	ug/kg	
108-88-3	Toluene	ND	5.5	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.5	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.5	2.2	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	28	5.5	ug/kg	
75-01-4	Vinyl chloride	ND	5.5	2.2	ug/kg	
108-05-4	Vinyl Acetate	ND	28	13	ug/kg	
	m,p-Xylene	ND	11	2.1	ug/kg	
95-47-6	o-Xylene	ND	5.5	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-121%
2037-26-5	Toluene-D8	92%		71-130%
460-00-4	4-Bromofluorobenzene	94%		59-148%
17060-07-0	1,2-Dichloroethane-D4	108%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@84555 18:06 29-Dec-2008

Report of Analysis

Client Sample ID:	SS61-SB43-12		
Lab Sample ID:	F61975-1	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	83.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086474.D	1	12/16/08	JG	12/05/08 11:15	n/a	GCD3636
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.18 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.7	3.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	80%		56-136%
98-08-8	aaa-Trifluorotoluene	85%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@84555 18:06 29-Dec-2008

Report of Analysis

Client Sample ID:	SS61-SB43-12		
Lab Sample ID:	F61975-1	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	83.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24526.D	1	12/13/08	NY	12/09/08	OP27388	GLL913
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.8	5.9	mg/kg	
	TPH (> C22-C36)	ND	9.8	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	76%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@84555 18:06 29-Dec-2008

Report of Analysis

Client Sample ID:	SS61-SB43-15		
Lab Sample ID:	F61975-2	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054803.D	1	12/11/08	MM	12/05/08 11:15	n/a	VG2070
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.98 g	5.0 ml	100 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3000	1500	ug/kg	
75-05-8	Acetonitrile	ND	3000	960	ug/kg	
107-02-8	Acrolein	ND	1500	590	ug/kg	
107-13-1	Acrylonitrile	ND	1500	420	ug/kg	
107-05-1	Allyl chloride	ND	1500	300	ug/kg	
71-43-2	Benzene	ND	300	60	ug/kg	
100-44-7	Benzyl Chloride	ND	300	66	ug/kg	
108-86-1	Bromobenzene	ND	300	60	ug/kg	
74-97-5	Bromochloromethane	ND	300	100	ug/kg	
75-27-4	Bromodichloromethane	ND	300	72	ug/kg	
75-25-2	Bromoform	ND	300	90	ug/kg	
104-51-8	n-Butylbenzene	ND	300	84	ug/kg	
135-98-8	sec-Butylbenzene	895	300	66	ug/kg	
98-06-6	tert-Butylbenzene	734	300	66	ug/kg	
108-90-7	Chlorobenzene	ND	300	60	ug/kg	
75-00-3	Chloroethane	ND	300	120	ug/kg	
67-66-3	Chloroform	ND	300	100	ug/kg	
544-10-5	1-Chlorohexane	ND	300	78	ug/kg	
95-49-8	o-Chlorotoluene	ND	300	60	ug/kg	
106-43-4	p-Chlorotoluene	ND	300	60	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1500	600	ug/kg	
75-15-0	Carbon disulfide	ND	300	66	ug/kg	
56-23-5	Carbon tetrachloride	ND	300	84	ug/kg	
75-34-3	1,1-Dichloroethane	ND	300	120	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	300	78	ug/kg	
563-58-6	1,1-Dichloropropene	ND	300	84	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	300	140	ug/kg	
106-93-4	1,2-Dibromoethane	ND	300	60	ug/kg	
107-06-2	1,2-Dichloroethane	ND	300	66	ug/kg	
78-87-5	1,2-Dichloropropane	ND	300	84	ug/kg	
142-28-9	1,3-Dichloropropane	ND	300	60	ug/kg	
594-20-7	2,2-Dichloropropane	ND	300	130	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB43-15		
Lab Sample ID:	F61975-2	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	300	60	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	300	120	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	300	96	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	300	78	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	1500	300	ug/kg	
541-73-1	m-Dichlorobenzene	ND	300	60	ug/kg	
95-50-1	o-Dichlorobenzene	ND	300	60	ug/kg	
106-46-7	p-Dichlorobenzene	ND	300	60	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	300	72	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	300	60	ug/kg	
100-41-4	Ethylbenzene	ND	300	60	ug/kg	
97-63-2	Ethyl methacrylate	ND	1500	300	ug/kg	
76-13-1	Freon 113	ND	300	160	ug/kg	
591-78-6	2-Hexanone	ND	1500	300	ug/kg	
87-68-3	Hexachlorobutadiene	ND	300	72	ug/kg	
110-54-3	Hexane	ND	300	140	ug/kg	
98-82-8	Isopropylbenzene	809	300	66	ug/kg	
99-87-6	p-Isopropyltoluene	ND	300	66	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1500	390	ug/kg	
126-98-7	Methacrylonitrile	ND	1500	330	ug/kg	
74-83-9	Methyl bromide	ND	300	130	ug/kg	
74-87-3	Methyl chloride	ND	300	140	ug/kg	
74-88-4	Methyl iodide	ND	600	120	ug/kg	
80-62-6	Methyl methacrylate	ND	1500	300	ug/kg	
74-95-3	Methylene bromide	ND	300	90	ug/kg	
75-09-2	Methylene chloride [b]	386	600	300	ug/kg	JB
78-93-3	Methyl ethyl ketone	ND	1500	500	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	300	90	ug/kg	
91-20-3	Naphthalene	ND	300	120	ug/kg	
76-01-7	Pentachloroethane	ND	1500	300	ug/kg	
107-12-0	Propionitrile	ND	3000	720	ug/kg	
103-65-1	n-Propylbenzene	ND	300	72	ug/kg	
100-42-5	Styrene	ND	300	60	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	300	60	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	300	66	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	300	110	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	300	60	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	300	120	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	300	110	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	300	120	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB43-15		
Lab Sample ID:	F61975-2	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	300	60	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	300	60	ug/kg	
127-18-4	Tetrachloroethylene	ND	300	72	ug/kg	
108-88-3	Toluene	ND	300	60	ug/kg	
79-01-6	Trichloroethylene	ND	300	72	ug/kg	
75-69-4	Trichlorofluoromethane	ND	300	120	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	1500	300	ug/kg	
75-01-4	Vinyl chloride	ND	300	120	ug/kg	
108-05-4	Vinyl Acetate	ND	1500	720	ug/kg	
	m,p-Xylene	ND	600	110	ug/kg	
95-47-6	o-Xylene	ND	300	60	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		80-121%
2037-26-5	Toluene-D8	93%		71-130%
460-00-4	4-Bromofluorobenzene	93%		59-148%
17060-07-0	1,2-Dichloroethane-D4	99%		77-123%

(a) Methanol extract analysis required due to matrix interference.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@84555 18:06 29-Dec-2008

Report of Analysis

Client Sample ID:	SS61-SB43-15		
Lab Sample ID:	F61975-2	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	83.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045269.D	1	12/16/08	AH	12/05/08 11:15	n/a	GQR1968
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.09 g	5.0 ml	2.5 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	943	240	120	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	86%		56-136%
98-08-8	aaa-Trifluorotoluene	88%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@84555 18:06 29-Dec-2008

Report of Analysis

Client Sample ID:	SS61-SB43-15		
Lab Sample ID:	F61975-2	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	83.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24527.D	1	12/13/08	NY	12/09/08	OP27388	GLL913
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.0	mg/kg	
	TPH (> C22-C36)	ND	10	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	77%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@84555 18:06 29-Dec-2008

Report of Analysis

Client Sample ID:	SS61-SB43-15-a		
Lab Sample ID:	F61975-3	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054815.D	1	12/12/08	MM	12/05/08 11:55	n/a	VG2071
Run #2	G0054804.D	1	12/11/08	MM	12/05/08 11:55	n/a	VG2070

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.96 g		
Run #2	5.20 g	5.0 ml	100 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	291	49	24	ug/kg	J
75-05-8	Acetonitrile	ND	49	16	ug/kg	
107-02-8	Acrolein	ND	24	9.5	ug/kg	
107-13-1	Acrylonitrile	ND	24	6.7	ug/kg	
107-05-1	Allyl chloride	ND	24	4.9	ug/kg	
71-43-2	Benzene	ND	4.9	0.97	ug/kg	
100-44-7	Benzyl Chloride	ND	4.9	1.1	ug/kg	
108-86-1	Bromobenzene	ND	4.9	0.97	ug/kg	
74-97-5	Bromochloromethane	ND	4.9	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	4.9	1.2	ug/kg	
75-25-2	Bromoform	ND	4.9	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	4.9	1.4	ug/kg	
135-98-8	sec-Butylbenzene	51.8	4.9	1.1	ug/kg	
98-06-6	tert-Butylbenzene	274 [b]	320	70	ug/kg	J
108-90-7	Chlorobenzene	ND	4.9	0.97	ug/kg	
75-00-3	Chloroethane	ND	4.9	1.9	ug/kg	
67-66-3	Chloroform	ND	4.9	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	4.9	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.9	0.97	ug/kg	
106-43-4	p-Chlorotoluene	ND	4.9	0.97	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	24	9.7	ug/kg	
75-15-0	Carbon disulfide	ND	4.9	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.9	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.9	1.9	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.9	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	4.9	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.9	2.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4.9	0.97	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.9	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.9	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4.9	0.97	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4.9	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB43-15-a		
Lab Sample ID:	F61975-3	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	4.9	0.97	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.9	1.9	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.9	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.9	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	24	4.9	ug/kg	
541-73-1	m-Dichlorobenzene	ND	4.9	0.97	ug/kg	
95-50-1	o-Dichlorobenzene	ND	4.9	0.97	ug/kg	
106-46-7	p-Dichlorobenzene	ND	4.9	0.97	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	4.9	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.9	0.97	ug/kg	
100-41-4	Ethylbenzene	ND	4.9	0.97	ug/kg	
97-63-2	Ethyl methacrylate	ND	24	4.9	ug/kg	
76-13-1	Freon 113	ND	4.9	2.5	ug/kg	
591-78-6	2-Hexanone	ND	24	4.9	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.9	1.2	ug/kg	
110-54-3	Hexane	ND	4.9	2.3	ug/kg	
98-82-8	Isopropylbenzene	ND	4.9	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	4.9	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	24	6.2	ug/kg	
126-98-7	Methacrylonitrile	ND	24	5.3	ug/kg	
74-83-9	Methyl bromide	ND	4.9	2.1	ug/kg	
74-87-3	Methyl chloride	ND	4.9	2.3	ug/kg	
74-88-4	Methyl iodide	ND	9.7	1.9	ug/kg	
80-62-6	Methyl methacrylate	ND	24	4.9	ug/kg	
74-95-3	Methylene bromide	ND	4.9	1.5	ug/kg	
75-09-2	Methylene chloride [c]	10.5	9.7	4.9	ug/kg	
78-93-3	Methyl ethyl ketone [a]	ND	24	8.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.9	1.5	ug/kg	
91-20-3	Naphthalene	ND	4.9	1.9	ug/kg	
76-01-7	Pentachloroethane	ND	24	4.9	ug/kg	
107-12-0	Propionitrile [a]	ND	49	12	ug/kg	
103-65-1	n-Propylbenzene	ND	4.9	1.2	ug/kg	
100-42-5	Styrene	ND	4.9	0.97	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.9	0.97	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.9	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.9	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.9	0.97	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.9	1.9	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.9	1.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	1.9	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB43-15-a		
Lab Sample ID:	F61975-3	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	4.9	0.97	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.9	0.97	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.9	1.2	ug/kg	
108-88-3	Toluene	ND	4.9	0.97	ug/kg	
79-01-6	Trichloroethylene	ND	4.9	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.9	1.9	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	24	4.9	ug/kg	
75-01-4	Vinyl chloride	ND	4.9	1.9	ug/kg	
108-05-4	Vinyl Acetate	ND	24	12	ug/kg	
	m,p-Xylene	ND	9.7	1.8	ug/kg	
95-47-6	o-Xylene	ND	4.9	0.97	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%	95%	80-121%
2037-26-5	Toluene-D8	104%	94%	71-130%
460-00-4	4-Bromofluorobenzene	90%	96%	59-148%
17060-07-0	1,2-Dichloroethane-D4	102%	104%	77-123%

(a) CCV outside of control limits; results may be biased low.
(b) Result is from Run# 2
(c) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@84555 18:06 29-Dec-2008

Report of Analysis

Client Sample ID:	SS61-SB43-15-a		
Lab Sample ID:	F61975-3	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	86.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045270.D	1	12/16/08	AH	12/05/08 11:55	n/a	GQR1968
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.70 g	5.0 ml	10.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	242	59	29	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	106%		56-136%
98-08-8	aaa-Trifluorotoluene	83%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@84555 18:06 29-Dec-2008

Report of Analysis

Client Sample ID:	SS61-SB43-15-a		
Lab Sample ID:	F61975-3	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	86.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24528.D	1	12/13/08	NY	12/09/08	OP27388	GLL913
Run #2							

	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.4	5.6	mg/kg	
	TPH (> C22-C36)	ND	9.4	5.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	76%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@84555 18:06 29-Dec-2008

Report of Analysis

Client Sample ID:	SS61-SB43-30		
Lab Sample ID:	F61975-4	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054816.D	1	12/12/08	MM	12/05/08 11:55	n/a	VG2071
Run #2							

	Initial Weight
Run #1	5.90 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.7	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	0.99	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	0.99	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	0.99	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	0.99	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	0.99	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	9.9	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	0.99	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	0.99	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB43-30		
Lab Sample ID:	F61975-4	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	0.99	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	0.99	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	0.99	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	0.99	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	0.99	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	0.99	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	9.9	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride [b]	5.3	9.9	5.0	ug/kg	J
78-93-3	Methyl ethyl ketone [a]	ND	25	8.2	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile [a]	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	0.99	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.99	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.99	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB43-30		
Lab Sample ID:	F61975-4	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.99	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.99	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	0.99	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	9.9	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	0.99	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		80-121%
2037-26-5	Toluene-D8	94%		71-130%
460-00-4	4-Bromofluorobenzene	93%		59-148%
17060-07-0	1,2-Dichloroethane-D4	98%		77-123%

(a) CCV outside of control limits; results may be biased low.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@84555 18:06 29-Dec-2008

Report of Analysis

Client Sample ID:	SS61-SB43-30		
Lab Sample ID:	F61975-4	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	85.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086475.D	1	12/16/08	JG	12/05/08 11:55	n/a	GCD3636
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.00 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.7	2.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	79%		56-136%
98-08-8	aaa-Trifluorotoluene	80%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@84555 18:06 29-Dec-2008

Report of Analysis

Client Sample ID:	SS61-SB43-30		
Lab Sample ID:	F61975-4	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	85.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24529.D	1	12/13/08	NY	12/09/08	OP27388	GLL913
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.7	5.8	mg/kg	
	TPH (> C22-C36)	ND	9.7	5.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	79%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@84555 18:06 29-Dec-2008

Report of Analysis

Client Sample ID:	SS61-SB44-25		
Lab Sample ID:	F61975-5	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054819.D	1	12/12/08	MM	12/05/08 11:55	n/a	VG2071
Run #2							

	Initial Weight
Run #1	5.58 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	56	28	ug/kg	
75-05-8	Acetonitrile	ND	56	18	ug/kg	
107-02-8	Acrolein	ND	28	11	ug/kg	
107-13-1	Acrylonitrile	ND	28	7.7	ug/kg	
107-05-1	Allyl chloride	ND	28	5.6	ug/kg	
71-43-2	Benzene	ND	5.6	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.6	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.6	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.6	1.9	ug/kg	
75-27-4	Bromodichloromethane	ND	5.6	1.3	ug/kg	
75-25-2	Bromoform	ND	5.6	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	5.6	1.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.6	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.6	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.6	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.6	2.2	ug/kg	
67-66-3	Chloroform	ND	5.6	1.9	ug/kg	
544-10-5	1-Chlorohexane	ND	5.6	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.6	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.6	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	28	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.6	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.6	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.6	2.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.6	1.5	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.6	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.6	2.7	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.6	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.6	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.6	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.6	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.6	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB44-25		
Lab Sample ID:	F61975-5	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.6	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.6	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.6	1.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.6	1.5	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	28	5.6	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.6	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.6	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.6	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.6	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.6	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.6	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	28	5.6	ug/kg	
76-13-1	Freon 113	ND	5.6	2.9	ug/kg	
591-78-6	2-Hexanone	ND	28	5.6	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.6	1.3	ug/kg	
110-54-3	Hexane	ND	5.6	2.7	ug/kg	
98-82-8	Isopropylbenzene	ND	5.6	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.6	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	28	7.2	ug/kg	
126-98-7	Methacrylonitrile	ND	28	6.1	ug/kg	
74-83-9	Methyl bromide	ND	5.6	2.5	ug/kg	
74-87-3	Methyl chloride	ND	5.6	2.7	ug/kg	
74-88-4	Methyl iodide	ND	11	2.2	ug/kg	
80-62-6	Methyl methacrylate	ND	28	5.6	ug/kg	
74-95-3	Methylene bromide	ND	5.6	1.7	ug/kg	
75-09-2	Methylene chloride [b]	8.8	11	5.6	ug/kg	J
78-93-3	Methyl ethyl ketone [a]	ND	28	9.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.6	1.7	ug/kg	
91-20-3	Naphthalene	ND	5.6	2.2	ug/kg	
76-01-7	Pentachloroethane	ND	28	5.6	ug/kg	
107-12-0	Propionitrile [a]	ND	56	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.6	1.3	ug/kg	
100-42-5	Styrene	ND	5.6	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.6	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.6	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.6	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.6	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.6	2.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.6	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB44-25		
Lab Sample ID:	F61975-5	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.6	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.6	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.6	1.3	ug/kg	
108-88-3	Toluene	ND	5.6	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.6	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.6	2.2	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	28	5.6	ug/kg	
75-01-4	Vinyl chloride	ND	5.6	2.2	ug/kg	
108-05-4	Vinyl Acetate	ND	28	13	ug/kg	
	m,p-Xylene	ND	11	2.1	ug/kg	
95-47-6	o-Xylene	ND	5.6	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-121%
2037-26-5	Toluene-D8	95%		71-130%
460-00-4	4-Bromofluorobenzene	93%		59-148%
17060-07-0	1,2-Dichloroethane-D4	104%		77-123%

(a) CCV outside of control limits; results may be biased low.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@84555 18:06 29-Dec-2008

Report of Analysis

Client Sample ID:	SS61-SB44-25		
Lab Sample ID:	F61975-5	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	80.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086476.D	1	12/16/08	JG	12/05/08 11:55	n/a	GCD3636
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.79 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.6	3.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	86%		56-136%
98-08-8	aaa-Trifluorotoluene	83%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@84555 18:06 29-Dec-2008

Report of Analysis

Client Sample ID:	SS61-SB44-25		
Lab Sample ID:	F61975-5	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	80.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24530.D	1	12/13/08	NY	12/09/08	OP27388	GLL913
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.1	mg/kg	
	TPH (> C22-C36)	ND	10	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	76%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@84555 18:06 29-Dec-2008

Report of Analysis

Client Sample ID:	SS61-SB44-26		
Lab Sample ID:	F61975-6	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054820.D	1	12/12/08	MM	12/05/08 11:55	n/a	VG2071
Run #2							

	Initial Weight
Run #1	5.53 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	72.1	52	26	ug/kg	J
75-05-8	Acetonitrile	ND	52	17	ug/kg	
107-02-8	Acrolein	ND	26	10	ug/kg	
107-13-1	Acrylonitrile	ND	26	7.2	ug/kg	
107-05-1	Allyl chloride	ND	26	5.2	ug/kg	
71-43-2	Benzene	ND	5.2	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.2	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.2	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.2	1.8	ug/kg	
75-27-4	Bromodichloromethane	ND	5.2	1.3	ug/kg	
75-25-2	Bromoform	ND	5.2	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	5.2	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.2	1.2	ug/kg	
98-06-6	tert-Butylbenzene	1.9	5.2	1.2	ug/kg	J
108-90-7	Chlorobenzene	ND	5.2	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.2	2.1	ug/kg	
67-66-3	Chloroform	ND	5.2	1.8	ug/kg	
544-10-5	1-Chlorohexane	ND	5.2	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.2	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.2	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	26	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.2	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.2	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.2	2.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.2	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.2	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.2	2.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.2	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.2	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.2	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.2	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.2	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB44-26		
Lab Sample ID:	F61975-6	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.2	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.2	2.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.2	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.2	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	26	5.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.2	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.2	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.2	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.2	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.2	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.2	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	26	5.2	ug/kg	
76-13-1	Freon 113	ND	5.2	2.7	ug/kg	
591-78-6	2-Hexanone	ND	26	5.2	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.2	1.3	ug/kg	
110-54-3	Hexane	ND	5.2	2.5	ug/kg	
98-82-8	Isopropylbenzene	ND	5.2	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.2	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	26	6.7	ug/kg	
126-98-7	Methacrylonitrile	ND	26	5.8	ug/kg	
74-83-9	Methyl bromide	ND	5.2	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.2	2.5	ug/kg	
74-88-4	Methyl iodide	ND	10	2.1	ug/kg	
80-62-6	Methyl methacrylate	ND	26	5.2	ug/kg	
74-95-3	Methylene bromide	ND	5.2	1.6	ug/kg	
75-09-2	Methylene chloride [b]	6.6	10	5.2	ug/kg	J
78-93-3	Methyl ethyl ketone [a]	ND	26	8.7	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.2	1.6	ug/kg	
91-20-3	Naphthalene	ND	5.2	2.1	ug/kg	
76-01-7	Pentachloroethane	ND	26	5.2	ug/kg	
107-12-0	Propionitrile [a]	ND	52	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.2	1.3	ug/kg	
100-42-5	Styrene	ND	5.2	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.2	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.2	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.2	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.2	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.2	2.1	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.2	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.2	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB44-26		
Lab Sample ID:	F61975-6	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.2	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.2	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.2	1.3	ug/kg	
108-88-3	Toluene	ND	5.2	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.2	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.2	2.1	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	26	5.2	ug/kg	
75-01-4	Vinyl chloride	ND	5.2	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	26	13	ug/kg	
	m,p-Xylene	ND	10	2.0	ug/kg	
95-47-6	o-Xylene	ND	5.2	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		80-121%
2037-26-5	Toluene-D8	96%		71-130%
460-00-4	4-Bromofluorobenzene	93%		59-148%
17060-07-0	1,2-Dichloroethane-D4	100%		77-123%

(a) CCV outside of control limits; results may be biased low.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@84555 18:06 29-Dec-2008

Report of Analysis

Client Sample ID:	SS61-SB44-26		
Lab Sample ID:	F61975-6	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	86.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086477.D	1	12/16/08	JG	12/05/08 11:55	n/a	GCD3636
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.90 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	19.5	5.7	2.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		56-136%
98-08-8	aaa-Trifluorotoluene	90%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@84555 18:06 29-Dec-2008

Report of Analysis

Client Sample ID:	SS61-SB44-26		
Lab Sample ID:	F61975-6	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	86.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24533.D	1	12/13/08	NY	12/09/08	OP27388	GLL913
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.6	5.7	mg/kg	
	TPH (> C22-C36)	ND	9.6	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	74%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@84555 18:06 29-Dec-2008

Report of Analysis

Client Sample ID:	SS61-SB44-30		
Lab Sample ID:	F61975-7	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054821.D	1	12/12/08	MM	12/05/08 11:55	n/a	VG2071
Run #2							

	Initial Weight
Run #1	5.64 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	55	27	ug/kg	
75-05-8	Acetonitrile	ND	55	17	ug/kg	
107-02-8	Acrolein	ND	27	11	ug/kg	
107-13-1	Acrylonitrile	ND	27	7.5	ug/kg	
107-05-1	Allyl chloride	ND	27	5.5	ug/kg	
71-43-2	Benzene	ND	5.5	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.5	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.5	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.5	1.9	ug/kg	
75-27-4	Bromodichloromethane	ND	5.5	1.3	ug/kg	
75-25-2	Bromoform	ND	5.5	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	5.5	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.5	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.5	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.5	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.5	2.2	ug/kg	
67-66-3	Chloroform	ND	5.5	1.9	ug/kg	
544-10-5	1-Chlorohexane	ND	5.5	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.5	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.5	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	27	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.5	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.5	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.5	2.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.5	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.5	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.5	2.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.5	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.5	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.5	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.5	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.5	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB44-30		
Lab Sample ID:	F61975-7	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.5	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.5	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.5	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.5	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	27	5.5	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.5	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.5	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.5	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.5	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.5	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.5	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	27	5.5	ug/kg	
76-13-1	Freon 113	ND	5.5	2.8	ug/kg	
591-78-6	2-Hexanone	ND	27	5.5	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.5	1.3	ug/kg	
110-54-3	Hexane	ND	5.5	2.6	ug/kg	
98-82-8	Isopropylbenzene	ND	5.5	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.5	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	27	7.0	ug/kg	
126-98-7	Methacrylonitrile	ND	27	6.0	ug/kg	
74-83-9	Methyl bromide	ND	5.5	2.4	ug/kg	
74-87-3	Methyl chloride	ND	5.5	2.6	ug/kg	
74-88-4	Methyl iodide	ND	11	2.2	ug/kg	
80-62-6	Methyl methacrylate	ND	27	5.5	ug/kg	
74-95-3	Methylene bromide	ND	5.5	1.6	ug/kg	
75-09-2	Methylene chloride [b]	6.0	11	5.5	ug/kg	J
78-93-3	Methyl ethyl ketone [a]	ND	27	9.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.5	1.6	ug/kg	
91-20-3	Naphthalene	ND	5.5	2.2	ug/kg	
76-01-7	Pentachloroethane	ND	27	5.5	ug/kg	
107-12-0	Propionitrile [a]	ND	55	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.5	1.3	ug/kg	
100-42-5	Styrene	ND	5.5	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.5	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.5	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.5	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.5	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.5	2.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.5	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.5	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB44-30		
Lab Sample ID:	F61975-7	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.5	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.5	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.5	1.3	ug/kg	
108-88-3	Toluene	ND	5.5	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.5	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.5	2.2	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	27	5.5	ug/kg	
75-01-4	Vinyl chloride	ND	5.5	2.2	ug/kg	
108-05-4	Vinyl Acetate	ND	27	13	ug/kg	
	m,p-Xylene	ND	11	2.1	ug/kg	
95-47-6	o-Xylene	ND	5.5	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-121%
2037-26-5	Toluene-D8	96%		71-130%
460-00-4	4-Bromofluorobenzene	94%		59-148%
17060-07-0	1,2-Dichloroethane-D4	102%		77-123%

(a) CCV outside of control limits; results may be biased low.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@84555 18:06 29-Dec-2008

Report of Analysis

Client Sample ID:	SS61-SB44-30		
Lab Sample ID:	F61975-7	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	81.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086478.D	1	12/16/08	JG	12/05/08 11:55	n/a	GCD3636
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.05 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.2	3.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	87%		56-136%
98-08-8	aaa-Trifluorotoluene	87%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@84555 18:06 29-Dec-2008

Report of Analysis

Client Sample ID:	SS61-SB44-30		
Lab Sample ID:	F61975-7	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	81.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24534.D	1	12/13/08	NY	12/09/08	OP27388	GLL913
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.0	mg/kg	
	TPH (> C22-C36)	ND	10	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@84555 18:06 29-Dec-2008

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61975-8	**Date Sampled:**	12/04/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/05/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054822.D	1	12/12/08	MM	n/a	n/a	VG2071
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61975-8	**Date Sampled:**	12/04/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/05/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone [a]	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile [a]	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61975-8	**Date Sampled:**	12/04/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/05/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-121%
2037-26-5	Toluene-D8	89%		71-130%
460-00-4	4-Bromofluorobenzene	96%		59-148%
17060-07-0	1,2-Dichloroethane-D4	97%		77-123%

(a) CCV outside of control limits; results may be biased low.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

F61975

Page 1 of 1

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number [1]: 12-04-2008-3

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Zack Beck / G. Kinsman

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)					Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
	Sample Analysis Requested [5]																	**Quality Assurance Samples [6]**			
1	SS61-SB43-12	SS61-SB43	04-Dec-2008	0745	10 - 12	N	01	SO	5	X	X	X									3
2	SS61-SB43-15	SS61-SB43	04-Dec-2008	0800	13 - 15	N	01	SO	5	X	X	X									3
3	SS61-SB43-15-a	SS61-SB43	04-Dec-2008	0800	13 - 15	FD	01	SO	5	X	X	X									3
4	SS61-SB43-30	SS61-SB43	04-Dec-2008	0815	28 - 30	N	01	SO	5	X	X	X									3
5	SS61-SB44-25	SS61-SB44	04-Dec-2008	1000	24 - 25	N	01	SO	5	X	X	X									3
6	SS61-SB44-26	SS61-SB44	04-Dec-2008	1010	25 - 26	N	01	SO	5	X	X	X									3
7	SS61-SB44-30	SS61-SB44	04-Dec-2008	1020	28 - 30	N	01	SO	5	X	X	X									3
8	Trip Blank				-	TB		WQ	3	X											3
					-																
					-																
					-																

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time		Received by (signed)	Date	Time
1.		12/4/08	1400	1.			
2.	FX	12/5/08	9:30	2.		12/5/08	9:30
3.				3.			

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: Shipped No.:

Method of Shipment: Airbill Number:

Analytical Lab: Accutest Laboratories Delivery Location:

Lab Recipient: Delivery Date/Time:

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

10

4.1 4

F61975: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61975 CLIENT: BHATE PROJECT: SS-61

DATE/TIME RECEIVED: 12/5/08 9:30 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 1.8

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8608 3474 8709

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [X] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOURS
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 2

NUMBER OF 5035 FIELD KITS ? 10

NUMBER OF LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE: 12/5/08 TECHNICIAN SIGNATURE/DATE: E.T. 12-5-08 ASBD 12/17/07

4.1 4

F61975: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2070-MB	G0054786.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61975-1, F61975-2, F61975-3

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2070-MB	G0054786.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61975-1, F61975-2, F61975-3

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	5.7	10	5.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2070-MB	G0054786.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61975-1, F61975-2, F61975-3

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	97%	80-121%
2037-26-5	Toluene-D8	95%	71-130%
460-00-4	4-Bromofluorobenzene	100%	59-148%
17060-07-0	1,2-Dichloroethane-D4	101%	77-123%

Method Blank Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2071-MB	G0054811.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61975-3, F61975-4, F61975-5, F61975-6, F61975-7, F61975-8

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2071-MB	G0054811.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61975-3, F61975-4, F61975-5, F61975-6, F61975-7, F61975-8

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2071-MB	G0054811.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61975-3, F61975-4, F61975-5, F61975-6, F61975-7, F61975-8

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	80-121%
2037-26-5	Toluene-D8	91%	71-130%
460-00-4	4-Bromofluorobenzene	92%	59-148%
17060-07-0	1,2-Dichloroethane-D4	100%	77-123%

Blank Spike Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2070-BS	G0054785.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61975-1, F61975-2, F61975-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	129	52*	61-144
75-05-8	Acetonitrile	500	402	80	59-139
107-02-8	Acrolein	250	37.5	15*	27-156
107-13-1	Acrylonitrile	250	207	83	55-144
107-05-1	Allyl chloride	50	59.1	118	41-152
71-43-2	Benzene	50	52.1	104	78-130
100-44-7	Benzyl Chloride	50	37.6	75	74-130
108-86-1	Bromobenzene	50	52.2	104	78-123
74-97-5	Bromochloromethane	50	41.6	83	72-122
75-27-4	Bromodichloromethane	50	47.9	96	73-122
75-25-2	Bromoform	50	41.7	83	70-139
104-51-8	n-Butylbenzene	50	56.9	114	80-138
135-98-8	sec-Butylbenzene	50	56.0	112	82-132
98-06-6	tert-Butylbenzene	50	55.3	111	79-130
108-90-7	Chlorobenzene	50	51.5	103	83-122
75-00-3	Chloroethane	50	43.6	87	61-153
67-66-3	Chloroform	50	51.9	104	79-129
544-10-5	1-Chlorohexane	50	55.5	111	85-137
95-49-8	o-Chlorotoluene	50	53.7	107	77-123
106-43-4	p-Chlorotoluene	50	54.3	109	78-129
110-75-8	2-Chloroethyl vinyl ether	250	304	122	52-142
75-15-0	Carbon disulfide	50	41.6	83	61-142
56-23-5	Carbon tetrachloride	50	52.7	105	79-135
75-34-3	1,1-Dichloroethane	50	52.9	106	77-132
75-35-4	1,1-Dichloroethylene	50	48.7	97	66-132
563-58-6	1,1-Dichloropropene	50	50.6	101	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	40.5	81	67-129
106-93-4	1,2-Dibromoethane	50	42.9	86	77-126
107-06-2	1,2-Dichloroethane	50	45.7	91	78-129
78-87-5	1,2-Dichloropropane	50	49.8	100	74-127
142-28-9	1,3-Dichloropropane	50	44.3	89	78-118
594-20-7	2,2-Dichloropropane	50	52.3	105	80-137
124-48-1	Dibromochloromethane	50	47.4	95	78-117
75-71-8	Dichlorodifluoromethane	50	33.9	68	35-162
156-59-2	cis-1,2-Dichloroethylene	50	49.0	98	74-123
10061-01-5	cis-1,3-Dichloropropene	50	50.7	101	79-130

Blank Spike Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2070-BS	G0054785.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61975-1, F61975-2, F61975-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	41.7	83	71-126
541-73-1	m-Dichlorobenzene	50	54.2	108	82-126
95-50-1	o-Dichlorobenzene	50	52.3	105	83-123
106-46-7	p-Dichlorobenzene	50	52.3	105	84-124
156-60-5	trans-1,2-Dichloroethylene	50	50.9	102	77-129
10061-02-6	trans-1,3-Dichloropropene	50	49.8	100	87-131
100-41-4	Ethylbenzene	50	52.6	105	82-124
97-63-2	Ethyl methacrylate	50	39.4	79	78-118
76-13-1	Freon 113	50	48.6	97	62-147
591-78-6	2-Hexanone	250	180	72	67-130
87-68-3	Hexachlorobutadiene	50	58.4	117	77-150
110-54-3	Hexane	50	53.0	106	65-147
98-82-8	Isopropylbenzene	50	55.1	110	82-133
99-87-6	p-Isopropyltoluene	50	56.2	112	82-132
108-10-1	4-Methyl-2-pentanone	250	191	76	69-125
126-98-7	Methacrylonitrile	500	401	80	70-138
74-83-9	Methyl bromide	50	49.4	99	60-146
74-87-3	Methyl chloride	50	48.2	96	58-163
74-88-4	Methyl iodide	50	40.5	81	66-128
80-62-6	Methyl methacrylate	50	44.9	90	73-125
74-95-3	Methylene bromide	50	48.0	96	75-128
75-09-2	Methylene chloride	50	51.9	104	62-140
78-93-3	Methyl ethyl ketone	250	149	60*	66-134
1634-04-4	Methyl Tert Butyl Ether	50	41.3	83	70-131
91-20-3	Naphthalene	50	46.9	94	59-143
76-01-7	Pentachloroethane	50	52.0	104	64-156
107-12-0	Propionitrile	500	371	74	73-133
103-65-1	n-Propylbenzene	50	55.3	111	78-129
100-42-5	Styrene	50	51.3	103	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	52.6	105	81-121
71-55-6	1,1,1-Trichloroethane	50	53.1	106	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	44.7	89	70-128
79-00-5	1,1,2-Trichloroethane	50	44.5	89	76-118
87-61-6	1,2,3-Trichlorobenzene	50	50.5	101	78-136
96-18-4	1,2,3-Trichloropropane	50	38.9	78	74-125
120-82-1	1,2,4-Trichlorobenzene	50	51.9	104	82-137

Blank Spike Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2070-BS	G0054785.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61975-1, F61975-2, F61975-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	55.2	110	77-129
108-67-8	1,3,5-Trimethylbenzene	50	54.7	109	79-129
127-18-4	Tetrachloroethylene	50	52.4	105	79-132
108-88-3	Toluene	50	51.6	103	80-123
79-01-6	Trichloroethylene	50	48.7	97	78-132
75-69-4	Trichlorofluoromethane	50	47.3	95	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	88.0	176*	74-138
75-01-4	Vinyl chloride	50	45.4	91	60-145
108-05-4	Vinyl Acetate	250	167	67	25-164
	m,p-Xylene	100	107	107	82-128
95-47-6	o-Xylene	50	52.9	106	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	80-121%
2037-26-5	Toluene-D8	98%	71-130%
460-00-4	4-Bromofluorobenzene	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	91%	77-123%

Blank Spike Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2071-BS	G0054810.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61975-3, F61975-4, F61975-5, F61975-6, F61975-7, F61975-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	140	56*	61-144
75-05-8	Acetonitrile	500	523	105	59-139
107-02-8	Acrolein	250	45.5	18*	27-156
107-13-1	Acrylonitrile	250	200	80	55-144
107-05-1	Allyl chloride	50	60.5	121	41-152
71-43-2	Benzene	50	53.0	106	78-130
100-44-7	Benzyl Chloride	50	39.8	80	74-130
108-86-1	Bromobenzene	50	53.4	107	78-123
74-97-5	Bromochloromethane	50	43.0	86	72-122
75-27-4	Bromodichloromethane	50	47.8	96	73-122
75-25-2	Bromoform	50	38.0	76	70-139
104-51-8	n-Butylbenzene	50	59.8	120	80-138
135-98-8	sec-Butylbenzene	50	56.9	114	82-132
98-06-6	tert-Butylbenzene	50	55.7	111	79-130
108-90-7	Chlorobenzene	50	53.1	106	83-122
75-00-3	Chloroethane	50	48.9	98	61-153
67-66-3	Chloroform	50	52.7	105	79-129
544-10-5	1-Chlorohexane	50	52.5	105	85-137
95-49-8	o-Chlorotoluene	50	56.2	112	77-123
106-43-4	p-Chlorotoluene	50	54.5	109	78-129
110-75-8	2-Chloroethyl vinyl ether	250	277	111	52-142
75-15-0	Carbon disulfide	50	44.6	89	61-142
56-23-5	Carbon tetrachloride	50	47.0	94	79-135
75-34-3	1,1-Dichloroethane	50	55.0	110	77-132
75-35-4	1,1-Dichloroethylene	50	48.6	97	66-132
563-58-6	1,1-Dichloropropene	50	48.2	96	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	40.8	82	67-129
106-93-4	1,2-Dibromoethane	50	42.1	84	77-126
107-06-2	1,2-Dichloroethane	50	44.3	89	78-129
78-87-5	1,2-Dichloropropane	50	49.5	99	74-127
142-28-9	1,3-Dichloropropane	50	44.1	88	78-118
594-20-7	2,2-Dichloropropane	50	53.8	108	80-137
124-48-1	Dibromochloromethane	50	46.0	92	78-117
75-71-8	Dichlorodifluoromethane	50	34.9	70	35-162
156-59-2	cis-1,2-Dichloroethylene	50	51.4	103	74-123
10061-01-5	cis-1,3-Dichloropropene	50	50.7	101	79-130

Blank Spike Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2071-BS	G0054810.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61975-3, F61975-4, F61975-5, F61975-6, F61975-7, F61975-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	38.6	77	71-126
541-73-1	m-Dichlorobenzene	50	54.4	109	82-126
95-50-1	o-Dichlorobenzene	50	51.9	104	83-123
106-46-7	p-Dichlorobenzene	50	53.9	108	84-124
156-60-5	trans-1,2-Dichloroethylene	50	50.5	101	77-129
10061-02-6	trans-1,3-Dichloropropene	50	50.4	101	87-131
100-41-4	Ethylbenzene	50	54.9	110	82-124
97-63-2	Ethyl methacrylate	50	41.1	82	78-118
76-13-1	Freon 113	50	48.5	97	62-147
591-78-6	2-Hexanone	250	173	69	67-130
87-68-3	Hexachlorobutadiene	50	59.5	119	77-150
110-54-3	Hexane	50	54.9	110	65-147
98-82-8	Isopropylbenzene	50	57.3	115	82-133
99-87-6	p-Isopropyltoluene	50	58.0	116	82-132
108-10-1	4-Methyl-2-pentanone	250	191	76	69-125
126-98-7	Methacrylonitrile	500	380	76	70-138
74-83-9	Methyl bromide	50	50.8	102	60-146
74-87-3	Methyl chloride	50	48.6	97	58-163
74-88-4	Methyl iodide	50	42.7	85	66-128
80-62-6	Methyl methacrylate	50	40.0	80	73-125
74-95-3	Methylene bromide	50	44.9	90	75-128
75-09-2	Methylene chloride	50	52.0	104	62-140
78-93-3	Methyl ethyl ketone	250	148	59*	66-134
1634-04-4	Methyl Tert Butyl Ether	50	44.4	89	70-131
91-20-3	Naphthalene	50	43.7	87	59-143
76-01-7	Pentachloroethane	50	56.8	114	64-156
107-12-0	Propionitrile	500	355	71*	73-133
103-65-1	n-Propylbenzene	50	56.3	113	78-129
100-42-5	Styrene	50	54.7	109	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	52.0	104	81-121
71-55-6	1,1,1-Trichloroethane	50	52.9	106	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	42.0	84	70-128
79-00-5	1,1,2-Trichloroethane	50	44.0	88	76-118
87-61-6	1,2,3-Trichlorobenzene	50	50.1	100	78-136
96-18-4	1,2,3-Trichloropropane	50	38.2	76	74-125
120-82-1	1,2,4-Trichlorobenzene	50	54.6	109	82-137

Blank Spike Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2071-BS	G0054810.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61975-3, F61975-4, F61975-5, F61975-6, F61975-7, F61975-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	55.3	111	77-129
108-67-8	1,3,5-Trimethylbenzene	50	57.3	115	79-129
127-18-4	Tetrachloroethylene	50	53.8	108	79-132
108-88-3	Toluene	50	53.7	107	80-123
79-01-6	Trichloroethylene	50	51.4	103	78-132
75-69-4	Trichlorofluoromethane	50	49.1	98	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	85.2	170*	74-138
75-01-4	Vinyl chloride	50	43.4	87	60-145
108-05-4	Vinyl Acetate	250	185	74	25-164
	m,p-Xylene	100	110	110	82-128
95-47-6	o-Xylene	50	55.0	110	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	80-121%
2037-26-5	Toluene-D8	97%	71-130%
460-00-4	4-Bromofluorobenzene	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	87%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61879-3MS	G0054789.D	1	12/11/08	MM	n/a	n/a	VG2070
F61879-3MSD	G0054790.D	1	12/11/08	MM	n/a	n/a	VG2070
F61879-3	G0054788.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61975-1, F61975-2, F61975-3

CAS No.	Compound	F61879-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	32.9		311	121	28*	128	31*	6	61-144/29
75-05-8	Acetonitrile	ND		622	463	74	513	83	10	59-139/30
107-02-8	Acrolein	ND		311	ND	0*	ND	0*	nc	27-156/39
107-13-1	Acrylonitrile	ND		311	239	77	270	87	12	55-144/24
107-05-1	Allyl chloride	ND		62.2	67.9	109	66.6	108	2	41-152/24
71-43-2	Benzene	ND		62.2	62.1	100	61.5	99	1	78-130/25
100-44-7	Benzyl Chloride	ND		62.2	31.0	50*	31.3	51*	1	74-130/28
108-86-1	Bromobenzene	ND		62.2	64.2	103	59.6	96	7	78-123/30
74-97-5	Bromochloromethane	ND		62.2	53.1	85	51.0	82	4	72-122/23
75-27-4	Bromodichloromethane	ND		62.2	57.9	93	58.4	94	1	73-122/25
75-25-2	Bromoform	ND		62.2	52.1	84	53.4	86	2	70-139/26
104-51-8	n-Butylbenzene	ND		62.2	64.1	103	61.6	100	4	80-138/31
135-98-8	sec-Butylbenzene	ND		62.2	65.6	106	62.1	100	5	82-132/29
98-06-6	tert-Butylbenzene	ND		62.2	67.1	108	61.5	99	9	79-130/29
108-90-7	Chlorobenzene	ND		62.2	65.5	105	60.2	97	8	83-122/23
75-00-3	Chloroethane	ND		62.2	55.3	89	54.1	88	2	61-153/31
67-66-3	Chloroform	ND		62.2	63.4	102	63.0	102	1	79-129/27
544-10-5	1-Chlorohexane	ND		62.2	63.3	102	59.7	97	6	85-137/29
95-49-8	o-Chlorotoluene	ND		62.2	64.2	103	61.9	100	4	77-123/31
106-43-4	p-Chlorotoluene	ND		62.2	64.3	103	60.8	98	6	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		311	367	118	405	131	10	52-142/25
75-15-0	Carbon disulfide	1.4	J	62.2	50.8	79	49.4	78	3	61-142/27
56-23-5	Carbon tetrachloride	ND		62.2	65.9	106	52.5	85	23	79-135/29
75-34-3	1,1-Dichloroethane	ND		62.2	64.2	103	63.6	103	1	77-132/26
75-35-4	1,1-Dichloroethylene	ND		62.2	58.4	94	57.2	93	2	66-132/27
563-58-6	1,1-Dichloropropene	ND		62.2	60.8	98	57.8	93	5	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		62.2	48.2	78	55.9	90	15	67-129/29
106-93-4	1,2-Dibromoethane	ND		62.2	54.5	88	52.6	85	4	77-126/24
107-06-2	1,2-Dichloroethane	ND		62.2	55.7	90	58.3	94	5	78-129/24
78-87-5	1,2-Dichloropropane	ND		62.2	58.5	94	60.7	98	4	74-127/27
142-28-9	1,3-Dichloropropane	ND		62.2	55.5	89	55.4	90	0	78-118/26
594-20-7	2,2-Dichloropropane	ND		62.2	52.4	84	49.5	80	6	80-137/28
124-48-1	Dibromochloromethane	ND		62.2	57.8	93	55.9	90	3	78-117/27
75-71-8	Dichlorodifluoromethane	ND		62.2	38.8	62	36.6	59	6	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		62.2	58.4	94	59.0	95	1	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		62.2	58.3	94	60.7	98	4	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61879-3MS	G0054789.D	1	12/11/08	MM	n/a	n/a	VG2070
F61879-3MSD	G0054790.D	1	12/11/08	MM	n/a	n/a	VG2070
F61879-3	G0054788.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61975-1, F61975-2, F61975-3

CAS No.	Compound	F61879-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		62.2	45.3	73	48.3	78	6	71-126/28
541-73-1	m-Dichlorobenzene	ND		62.2	64.4	104	62.7	101	3	82-126/29
95-50-1	o-Dichlorobenzene	ND		62.2	65.1	105	60.9	99	7	83-123/28
106-46-7	p-Dichlorobenzene	ND		62.2	63.4	102	61.6	100	3	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		62.2	59.9	96	58.5	95	2	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		62.2	60.4	97	60.2	97	0	87-131/27
100-41-4	Ethylbenzene	ND		62.2	65.8	106	62.2	101	6	82-124/25
97-63-2	Ethyl methacrylate	ND		62.2	7.7	12*	8.1	13*	5	78-118/30
76-13-1	Freon 113	ND		62.2	55.5	89	55.8	90	1	62-147/29
591-78-6	2-Hexanone	ND		311	195	63*	211	68	8	67-130/29
87-68-3	Hexachlorobutadiene	ND		62.2	66.0	106	58.8	95	12	77-150/36
110-54-3	Hexane	ND		62.2	56.1	90	49.6	80	12	65-147/27
98-82-8	Isopropylbenzene	ND		62.2	69.4	112	64.6	104	7	82-133/27
99-87-6	p-Isopropyltoluene	ND		62.2	66.1	106	63.5	103	4	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		311	239	77	256	83	7	69-125/24
126-98-7	Methacrylonitrile	ND		622	458	74	523	85	13	70-138/22
74-83-9	Methyl bromide	ND		62.2	57.0	92	56.3	91	1	60-146/31
74-87-3	Methyl chloride	ND		62.2	57.8	93	56.2	91	3	58-163/26
74-88-4	Methyl iodide	ND		62.2	48.5	78	45.8	74	6	66-128/27
80-62-6	Methyl methacrylate	ND		62.2	49.4	79	52.6	85	6	73-125/24
74-95-3	Methylene bromide	ND		62.2	57.4	92	57.0	92	1	75-128/26
75-09-2	Methylene chloride	ND		62.2	64.0	103	61.4	99	4	62-140/25
78-93-3	Methyl ethyl ketone	ND		311	126	41*	151	49*	18	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		62.2	49.8	80	52.5	85	5	70-131/25
91-20-3	Naphthalene	ND		62.2	56.2	90	57.4	93	2	59-143/31
76-01-7	Pentachloroethane	ND		62.2	63.0	101	57.6	93	9	64-156/37
107-12-0	Propionitrile	ND		622	418	67*	469	76	11	73-133/23
103-65-1	n-Propylbenzene	ND		62.2	63.0	101	61.0	99	3	78-129/29
100-42-5	Styrene	ND		62.2	65.6	106	61.3	99	7	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		62.2	63.6	102	63.9	103	0	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		62.2	64.5	104	59.9	97	7	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		62.2	52.1	84	56.8	92	9	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		62.2	55.7	90	56.8	92	2	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		62.2	58.1	93	60.1	97	3	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		62.2	46.7	75	49.3	80	5	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		62.2	62.0	100	59.6	96	4	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61879-3MS	G0054789.D	1	12/11/08	MM	n/a	n/a	VG2070
F61879-3MSD	G0054790.D	1	12/11/08	MM	n/a	n/a	VG2070
F61879-3	G0054788.D	1	12/11/08	MM	n/a	n/a	VG2070

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61975-1, F61975-2, F61975-3

CAS No.	Compound	F61879-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		62.2	65.3	105	63.3	102	3	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		62.2	66.0	106	61.6	100	7	79-129/31
127-18-4	Tetrachloroethylene	ND		62.2	71.6	115	69.8	113	3	79-132/27
108-88-3	Toluene	ND		62.2	65.5	105	60.7	98	8	80-123/26
79-01-6	Trichloroethylene	ND		62.2	61.1	98	59.6	96	2	78-132/28
75-69-4	Trichlorofluoromethane	ND		62.2	55.8	90	52.8	85	6	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		62.2	90.5	146*	101	163*	11	74-138/30
75-01-4	Vinyl chloride	ND		62.2	49.7	80	49.4	80	1	60-145/29
108-05-4	Vinyl Acetate	ND		311	20.9	7*	21.6	7*	3	25-164/35
	m,p-Xylene	ND		124	135	109	124	100	8	82-128/25
95-47-6	o-Xylene	ND		62.2	66.6	107	61.9	100	7	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61879-3	Limits
1868-53-7	Dibromofluoromethane	96%	100%	99%	80-121%
2037-26-5	Toluene-D8	100%	100%	94%	71-130%
460-00-4	4-Bromofluorobenzene	96%	92%	93%	59-148%
17060-07-0	1,2-Dichloroethane-D4	84%	101%	98%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61975-4MS	G0054817.D	1	12/12/08	MM	n/a	n/a	VG2071
F61975-4MSD	G0054818.D	1	12/12/08	MM	n/a	n/a	VG2071
F61975-4	G0054816.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61975-3, F61975-4, F61975-5, F61975-6, F61975-7, F61975-8

CAS No.	Compound	F61975-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		305	143	47*	102	34*	33*	61-144/29
75-05-8	Acetonitrile	ND		611	800	131	453	76	55*	59-139/30
107-02-8	Acrolein	ND		305	ND	0*	ND	0*	nc	27-156/39
107-13-1	Acrylonitrile	ND		305	271	89	201	67	30*	55-144/24
107-05-1	Allyl chloride	ND		61.1	73.5	120	65.4	109	12	41-152/24
71-43-2	Benzene	ND		61.1	66.2	108	59.0	99	12	78-130/25
100-44-7	Benzyl Chloride	ND		61.1	42.8	70*	36.2	61*	17	74-130/28
108-86-1	Bromobenzene	ND		61.1	66.2	108	56.4	94	16	78-123/30
74-97-5	Bromochloromethane	ND		61.1	53.2	87	46.1	77	14	72-122/23
75-27-4	Bromodichloromethane	ND		61.1	57.8	95	51.3	86	12	73-122/25
75-25-2	Bromoform	ND		61.1	47.7	78	46.5	78	3	70-139/26
104-51-8	n-Butylbenzene	ND		61.1	73.3	120	65.2	109	12	80-138/31
135-98-8	sec-Butylbenzene	ND		61.1	74.5	122	66.4	111	11	82-132/29
98-06-6	tert-Butylbenzene	ND		61.1	72.6	119	63.9	107	13	79-130/29
108-90-7	Chlorobenzene	ND		61.1	65.1	107	59.3	99	9	83-122/23
75-00-3	Chloroethane	ND		61.1	59.2	97	51.5	86	14	61-153/31
67-66-3	Chloroform	ND		61.1	65.2	107	58.3	97	11	79-129/27
544-10-5	1-Chlorohexane	ND		61.1	69.3	113	64.4	108	7	85-137/29
95-49-8	o-Chlorotoluene	ND		61.1	71.4	117	61.4	103	15	77-123/31
106-43-4	p-Chlorotoluene	ND		61.1	68.2	112	60.6	101	12	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		305	378	124	338	113	11	52-142/25
75-15-0	Carbon disulfide	ND		61.1	60.6	99	51.5	86	16	61-142/27
56-23-5	Carbon tetrachloride	ND		61.1	58.1	95	54.8	92	6	79-135/29
75-34-3	1,1-Dichloroethane	ND		61.1	64.8	106	58.2	97	11	77-132/26
75-35-4	1,1-Dichloroethylene	ND		61.1	60.6	99	56.4	94	7	66-132/27
563-58-6	1,1-Dichloropropene	ND		61.1	63.7	104	58.9	98	8	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		61.1	60.0	98	48.4	81	21	67-129/29
106-93-4	1,2-Dibromoethane	ND		61.1	53.8	88	49.4	83	9	77-126/24
107-06-2	1,2-Dichloroethane	ND		61.1	54.9	90	47.4	79	15	78-129/24
78-87-5	1,2-Dichloropropane	ND		61.1	60.9	100	53.4	89	13	74-127/27
142-28-9	1,3-Dichloropropane	ND		61.1	55.1	90	51.9	87	6	78-118/26
594-20-7	2,2-Dichloropropane	ND		61.1	80.3	132	63.0	105	24	80-137/28
124-48-1	Dibromochloromethane	ND		61.1	55.6	91	53.3	89	4	78-117/27
75-71-8	Dichlorodifluoromethane	ND		61.1	34.2	56	34.6	58	1	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		61.1	60.9	100	54.0	90	12	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		61.1	61.4	101	52.4	88	16	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61975-4MS	G0054817.D	1	12/12/08	MM	n/a	n/a	VG2071
F61975-4MSD	G0054818.D	1	12/12/08	MM	n/a	n/a	VG2071
F61975-4	G0054816.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61975-3, F61975-4, F61975-5, F61975-6, F61975-7, F61975-8

CAS No.	Compound	F61975-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		61.1	53.3	87	43.7	73	20	71-126/28
541-73-1	m-Dichlorobenzene	ND		61.1	66.3	109	60.2	101	10	82-126/29
95-50-1	o-Dichlorobenzene	ND		61.1	65.6	107	56.9	95	14	83-123/28
106-46-7	p-Dichlorobenzene	ND		61.1	67.1	110	59.6	100	12	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		61.1	63.5	104	55.5	93	13	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		61.1	60.2	99	56.7	95	6	87-131/27
100-41-4	Ethylbenzene	ND		61.1	68.5	112	63.3	106	8	82-124/25
97-63-2	Ethyl methacrylate	ND		61.1	17.2	28*	14.3	24*	18	78-118/30
76-13-1	Freon 113	ND		61.1	63.9	105	55.2	92	15	62-147/29
591-78-6	2-Hexanone	ND		305	228	75	188	63*	19	67-130/29
87-68-3	Hexachlorobutadiene	ND		61.1	64.5	106	57.8	97	11	77-150/36
110-54-3	Hexane	ND		61.1	62.6	103	50.9	85	21	65-147/27
98-82-8	Isopropylbenzene	ND		61.1	72.4	119	66.8	112	8	82-133/27
99-87-6	p-Isopropyltoluene	ND		61.1	74.0	121	65.5	110	12	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		305	261	85	227	76	14	69-125/24
126-98-7	Methacrylonitrile	ND		611	524	86	403	67*	26*	70-138/22
74-83-9	Methyl bromide	ND		61.1	65.2	107	55.0	92	17	60-146/31
74-87-3	Methyl chloride	ND		61.1	57.5	94	54.3	91	6	58-163/26
74-88-4	Methyl iodide	ND		61.1	48.7	80	43.7	73	11	66-128/27
80-62-6	Methyl methacrylate	ND		61.1	64.4	105	47.3	79	31*	73-125/24
74-95-3	Methylene bromide	ND		61.1	57.1	94	50.3	84	13	75-128/26
75-09-2	Methylene chloride	5.3	J	61.1	75.5	115	65.5	101	14	62-140/25
78-93-3	Methyl ethyl ketone	ND		305	164	54*	122	41*	29*	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		61.1	56.6	93	46.6	78	19	70-131/25
91-20-3	Naphthalene	ND		61.1	59.6	98	55.2	92	8	59-143/31
76-01-7	Pentachloroethane	ND		61.1	63.9	105	56.7	95	12	64-156/37
107-12-0	Propionitrile	ND		611	499	82	391	65*	24*	73-133/23
103-65-1	n-Propylbenzene	ND		61.1	70.1	115	62.4	104	12	78-129/29
100-42-5	Styrene	ND		61.1	62.1	102	60.3	101	3	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		61.1	62.5	102	57.7	96	8	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		61.1	71.0	116	60.8	102	15	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		61.1	60.5	99	51.5	86	16	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		61.1	59.0	97	54.3	91	8	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		61.1	60.1	98	54.0	90	11	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		61.1	57.4	94	44.6	75	25	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		61.1	60.3	99	58.1	97	4	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61975-4MS	G0054817.D	1	12/12/08	MM	n/a	n/a	VG2071
F61975-4MSD	G0054818.D	1	12/12/08	MM	n/a	n/a	VG2071
F61975-4	G0054816.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61975-3, F61975-4, F61975-5, F61975-6, F61975-7, F61975-8

CAS No.	Compound	F61975-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		61.1	72.8	119	64.0	107	13	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		61.1	74.2	122	65.1	109	13	79-129/31
127-18-4	Tetrachloroethylene	ND		61.1	67.5	111	64.5	108	5	79-132/27
108-88-3	Toluene	ND		61.1	63.9	105	61.2	102	4	80-123/26
79-01-6	Trichloroethylene	ND		61.1	64.0	105	56.4	94	13	78-132/28
75-69-4	Trichlorofluoromethane	ND		61.1	66.4	109	55.1	92	19	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		61.1	115	188*	92.9	155*	21	74-138/30
75-01-4	Vinyl chloride	ND		61.1	58.2	95	53.2	89	9	60-145/29
108-05-4	Vinyl Acetate	ND		305	19.3	6*	ND	0*	200*	25-164/35
	m,p-Xylene	ND		122	137	112	128	107	7	82-128/25
95-47-6	o-Xylene	ND		61.1	65.9	108	61.3	102	7	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61975-4	Limits
1868-53-7	Dibromofluoromethane	95%	95%	95%	80-121%
2037-26-5	Toluene-D8	99%	105%	94%	71-130%
460-00-4	4-Bromofluorobenzene	97%	97%	93%	59-148%
17060-07-0	1,2-Dichloroethane-D4	90%	92%	98%	77-123%

Instrument Performance Check (BFB)

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample: VG2070-BFB
Lab File ID: G0054777.D
Instrument ID: GCMSG
Injection Date: 12/11/08
Injection Time: 11:29

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	34324	24.8		Pass
75	30.0 - 60.0% of mass 95	74733	53.9		Pass
95	Base peak, 100% relative abundance	138564	100.0		Pass
96	5.0 - 9.0% of mass 95	9194	6.6		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 100.0% of mass 95	96147	69.4		Pass
175	5.0 - 9.0% of mass 174	7374	5.3	(7.7) [a]	Pass
176	95.0 - 101.0% of mass 174	95380	68.8	(99.2) [a]	Pass
177	5.0 - 9.0% of mass 176	5959	4.3	(6.2) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VG2070-IC2070	G0054778.D	12/11/08	11:47	00:18	Initial cal 1
VG2070-IC2070	G0054779.D	12/11/08	12:12	00:43	Initial cal 2
VG2070-IC2070	G0054780.D	12/11/08	12:37	01:08	Initial cal 3
VG2070-ICC2070	G0054781.D	12/11/08	13:03	01:34	Initial cal 4
VG2070-IC2070	G0054782.D	12/11/08	13:28	01:59	Initial cal 5
VG2070-IC2070	G0054783.D	12/11/08	13:53	02:24	Initial cal 6
VG2070-ICV2070	G0054784.D	12/11/08	14:19	02:50	Initial cal verification 3
VG2070-BS	G0054785.D	12/11/08	14:44	03:15	Blank Spike
VG2070-MB	G0054786.D	12/11/08	15:09	03:40	Method Blank
F61879-3	G0054788.D	12/11/08	16:00	04:31	(used for QC only; not part of job F61975)
F61879-3MS	G0054789.D	12/11/08	16:25	04:56	Matrix Spike
F61879-3MSD	G0054790.D	12/11/08	16:50	05:21	Matrix Spike Duplicate
ZZZZZZ	G0054791.D	12/11/08	17:15	05:46	(unrelated sample)
ZZZZZZ	G0054792.D	12/11/08	17:41	06:12	(unrelated sample)
ZZZZZZ	G0054793.D	12/11/08	18:06	06:37	(unrelated sample)
ZZZZZZ	G0054794.D	12/11/08	18:32	07:03	(unrelated sample)
ZZZZZZ	G0054795.D	12/11/08	18:57	07:28	(unrelated sample)
ZZZZZZ	G0054796.D	12/11/08	19:22	07:53	(unrelated sample)
ZZZZZZ	G0054797.D	12/11/08	19:48	08:19	(unrelated sample)
ZZZZZZ	G0054799.D	12/11/08	20:38	09:09	(unrelated sample)
ZZZZZZ	G0054800.D	12/11/08	21:04	09:35	(unrelated sample)
F61975-1	G0054802.D	12/11/08	21:55	10:26	SS61-SB43-12
F61975-2	G0054803.D	12/11/08	22:20	10:51	SS61-SB43-15
F61975-3	G0054804.D	12/11/08	22:46	11:17	SS61-SB43-15-a

Instrument Performance Check (BFB)

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample: VG2071-BFB
Lab File ID: G0054807.D
Instrument ID: GCMSG
Injection Date: 12/12/08
Injection Time: 08:45

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	29506	25.4		Pass
75	30.0 - 60.0% of mass 95	61371	52.9		Pass
95	Base peak, 100% relative abundance	116034	100.0		Pass
96	5.0 - 9.0% of mass 95	8397	7.2		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 100.0% of mass 95	82833	71.4		Pass
175	5.0 - 9.0% of mass 174	6050	5.2	(7.3) [a]	Pass
176	95.0 - 101.0% of mass 174	80787	69.6	(97.5) [a]	Pass
177	5.0 - 9.0% of mass 176	5034	4.3	(6.2) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VG2071-CC2070	G0054808.D	12/12/08	09:03	00:18	Continuing cal 4
VG2071-BS	G0054810.D	12/12/08	10:29	01:44	Blank Spike
VG2071-MB	G0054811.D	12/12/08	10:54	02:09	Method Blank
ZZZZZZ	G0054812.D	12/12/08	11:19	02:34	(unrelated sample)
ZZZZZZ	G0054813.D	12/12/08	11:45	03:00	(unrelated sample)
ZZZZZZ	G0054814.D	12/12/08	12:10	03:25	(unrelated sample)
F61975-3	G0054815.D	12/12/08	12:36	03:51	SS61-SB43-15-a
F61975-4	G0054816.D	12/12/08	13:01	04:16	SS61-SB43-30
F61975-4MS	G0054817.D	12/12/08	13:27	04:42	Matrix Spike
F61975-4MSD	G0054818.D	12/12/08	13:52	05:07	Matrix Spike Duplicate
F61975-5	G0054819.D	12/12/08	14:18	05:33	SS61-SB44-25
F61975-6	G0054820.D	12/12/08	14:43	05:58	SS61-SB44-26
F61975-7	G0054821.D	12/12/08	15:09	06:24	SS61-SB44-30
F61975-8	G0054822.D	12/12/08	15:34	06:49	TRIP BLANK
ZZZZZZ	G0054823.D	12/12/08	15:59	07:14	(unrelated sample)
ZZZZZZ	G0054824.D	12/12/08	16:25	07:40	(unrelated sample)
ZZZZZZ	G0054825.D	12/12/08	16:50	08:05	(unrelated sample)
ZZZZZZ	G0054826.D	12/12/08	17:16	08:31	(unrelated sample)
ZZZZZZ	G0054827.D	12/12/08	17:41	08:56	(unrelated sample)
ZZZZZZ	G0054828.D	12/12/08	18:07	09:22	(unrelated sample)
ZZZZZZ	G0054829.D	12/12/08	18:32	09:47	(unrelated sample)
ZZZZZZ	G0054830.D	12/12/08	18:57	10:12	(unrelated sample)
ZZZZZZ	G0054831.D	12/12/08	19:23	10:38	(unrelated sample)
ZZZZZZ	G0054832.D	12/12/08	19:49	11:04	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample:	VG2071-BFB	**Injection Date:**	12/12/08
Lab File ID:	G0054807.D	**Injection Time:**	08:45
Instrument ID:	GCMSG		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	G0054833.D	12/12/08	20:14	11:29	(unrelated sample)
ZZZZZZ	G0054834.D	12/12/08	20:40	11:55	(unrelated sample)

Volatile Internal Standard Area Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Check Std: VG2070-ICC2070 **Injection Date:** 12/11/08
Lab File ID: G0054781.D **Injection Time:** 13:03
Instrument ID: GCMSG **Method:** SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
Check Std	590257	11.25	414136	14.82	217007	17.09	73243	8.13
Upper Limit [a]	1180514	11.75	828272	15.32	434014	17.59	146486	8.63
Lower Limit [b]	295129	10.75	207068	14.32	108504	16.59	36622	7.63

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
VG2070-BS	604403	11.25	443034	14.83	220238	17.09	56450	8.14
VG2070-MB	595239	11.25	458281	14.83	225303	17.09	88356	8.13
F61879-3	605391	11.25	457872	14.83	218691	17.09	77144	8.14
F61879-3MS	598197	11.25	416698	14.83	219553	17.09	50236	8.14
F61879-3MSD	606635	11.25	449638	14.83	229707	17.09	64446	8.14
ZZZZZZ	289840*	11.25	184954*	14.83	74402*	17.10	14761*	8.15
ZZZZZZ	679021	11.26	515493	14.84	270779	17.11	75483	8.18
ZZZZZZ	606849	11.25	462137	14.83	229429	17.09	77586	8.15
ZZZZZZ	668357	11.25	517329	14.82	263483	17.09	78780	8.16
ZZZZZZ	635093	11.25	500916	14.82	243401	17.09	89764	8.14
ZZZZZZ	654373	11.25	499178	14.82	253753	17.09	93760	8.14
ZZZZZZ	607007	11.25	454497	14.83	228209	17.09	70823	8.13
ZZZZZZ	619030	11.25	474597	14.82	227420	17.09	75263	8.14
ZZZZZZ	664918	11.25	503475	14.82	244700	17.09	89408	8.15
F61975-1	594182	11.24	462879	14.82	240458	17.09	91140	8.13
F61975-2 [c]	632126	11.24	489819	14.82	248491	17.09	71181	8.14
F61975-3	595831	11.24	471052	14.82	238903	17.09	76670	8.14

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4
IS 4 = Tert Butyl Alcohol-D10

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Methanol extract analysis required due to matrix interference.

Volatile Internal Standard Area Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Check Std: VG2071-CC2070 **Injection Date:** 12/12/08
Lab File ID: G0054808.D **Injection Time:** 09:03
Instrument ID: GCMSG **Method:** SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
Check Std	642669	11.23	445077	14.81	229208	17.08	54225	8.11
Upper Limit [a]	1285338	11.73	890154	15.31	458416	17.58	108450	8.61
Lower Limit [b]	321335	10.73	222539	14.31	114604	16.58	27113	7.61

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
VG2071-BS	613475	11.23	438831	14.81	221947	17.08	51751	8.12
VG2071-MB	799952	11.23	614882	14.81	308434	17.08	98888	8.11
ZZZZZZ	782642	11.23	599805	14.81	303320	17.08	104128	8.13
ZZZZZZ	772615	11.23	591114	14.81	302620	17.08	103604	8.12
ZZZZZZ	798297	11.23	545127	14.81	287840	17.08	88492	8.11
F61975-3	805043	11.23	569510	14.81	288820	17.08	118277*	8.11
F61975-4	870157	11.23	649613	14.81	320516	17.08	118142*	8.12
F61975-4MS	434830	11.23	315244	14.81	153969	17.08	45167	8.12
F61975-4MSD	881564	11.23	600586	14.81	308706	17.08	69327	8.12
F61975-5	829360	11.23	624598	14.81	312805	17.08	123906*	8.12
F61975-6	788180	11.23	579806	14.81	295238	17.08	110921*	8.12
F61975-7	856375	11.23	633595	14.81	324143	17.08	126238*	8.12
F61975-8	764584	11.23	615231	14.81	292193	17.08	93289	8.12
ZZZZZZ	736574	11.23	601754	14.81	298630	17.08	107552	8.11
ZZZZZZ	732403	11.23	565196	14.81	283569	17.08	93081	8.11
ZZZZZZ	790635	11.23	600742	14.81	308036	17.08	130290*	8.12
ZZZZZZ	749754	11.23	596832	14.81	294637	17.08	104811	8.13
ZZZZZZ	780306	11.23	603725	14.81	299810	17.08	96395	8.13
ZZZZZZ	772113	11.23	578126	14.81	301758	17.08	129989*	8.13
ZZZZZZ	723475	11.23	564508	14.81	272372	17.08	93738	8.12
ZZZZZZ	714939	11.23	576946	14.81	269885	17.08	87388	8.12
ZZZZZZ	770248	11.22	594087	14.81	311704	17.08	82442	8.15
ZZZZZZ	752383	11.23	550482	14.81	263900	17.08	84686	8.14
ZZZZZZ	705957	11.22	538365	14.81	279904	17.08	97243	8.12
ZZZZZZ	824301	11.22	625065	14.81	326972	17.08	98949	8.13

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4
IS 4 = Tert Butyl Alcohol-D10

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Surrogate Recovery Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Method: SW846 8260B **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
F61975-1	G0054802.D	104.0	92.0	94.0	108.0
F61975-2	G0054803.D	92.0	93.0	93.0	99.0
F61975-3	G0054815.D	88.0	104.0	90.0	102.0
F61975-3	G0054804.D	95.0	94.0	96.0	104.0
F61975-4	G0054816.D	95.0	94.0	93.0	98.0
F61975-5	G0054819.D	96.0	95.0	93.0	104.0
F61975-6	G0054820.D	94.0	96.0	93.0	100.0
F61975-7	G0054821.D	98.0	96.0	94.0	102.0
F61975-8	G0054822.D	96.0	89.0	96.0	97.0
F61879-3MS	G0054789.D	96.0	100.0	96.0	84.0
F61879-3MSD	G0054790.D	100.0	100.0	92.0	101.0
F61975-4MS	G0054817.D	95.0	99.0	97.0	90.0
F61975-4MSD	G0054818.D	95.0	105.0	97.0	92.0
VG2070-BS	G0054785.D	100.0	98.0	99.0	91.0
VG2070-MB	G0054786.D	97.0	95.0	100.0	101.0
VG2071-BS	G0054810.D	96.0	97.0	99.0	87.0
VG2071-MB	G0054811.D	100.0	91.0	92.0	100.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	80-121%
S2 = Toluene-D8	71-130%
S3 = 4-Bromofluorobenzene	59-148%
S4 = 1,2-Dichloroethane-D4	77-123%

Initial Calibration Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample: VG2070-ICC2070
Lab FileID: G0054781.D

Response Factor Report MSVOA1

Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration

Calibration Files
1 =G0054778.D 2 =G0054779.D 3 =G0054780.D 4 =G0054781.D
5 =G0054782.D 6 =G0054783.D

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	I	Fluorobenzene	----------	----------	ISTD	----------	----------	----------		
2)		Dichlorodifluoromet	0.412	0.415	0.392	0.435	0.407	0.425	0.414	3.54
3)	P	Chloromethane	0.627	0.607	0.568	0.602	0.600	0.606	0.602	3.17
4)	C	Vinyl Chloride	0.425	0.411	0.400	0.427	0.402	0.407	0.412	2.80
5)		Bromomethane	0.203	0.207	0.185	0.180	0.159	0.141	0.179	14.18
6)		Chloroethane	0.216	0.211	0.194	0.202	0.187	0.184	0.199	6.52
7)		Trichlorofluorometh	0.363	0.368	0.352	0.367	0.349	0.350	0.358	2.43
8)		Ethyl Ether	0.313	0.288	0.262	0.269	0.255	0.252	0.273	8.59
9)		1,2-Dichlorotrifluo	0.628	0.629	0.603	0.615	0.587	0.607	0.611	2.62
10)	C	1,1-Dichloroethene	0.689	0.625	0.626	0.659	0.631	0.644	0.646	3.85
11)		Freon 113	0.384	0.336	0.338	0.350	0.339	0.337	0.347	5.38
12)		Carbon Disulfide	1.085	1.201	1.191	1.298	1.243	1.298	1.219	6.56
13)		Iodomethane	0.712	0.735	0.716	0.786	0.754	0.770	0.746	3.98
14)		Allyl chloride	0.499	0.728	0.691	0.746	0.708	0.736	0.685	13.56
15)		Methylene Chloride	1.142	0.833	0.689	0.724	0.659	0.691	0.790	23.17
		---- Linear regr., Force(0,0) ---- Coefficient = 0.9976								
		Response Ratio = 0.00000 + 0.68672 *A								
16)		Acetone	0.359	0.285	0.237	0.231	0.196	0.186	0.249	25.80
		---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9978								
		Response Ratio = 0.00000 + 0.26237 *A + -0.00392 *A^2								
17)		Methyl acetate	0.491	0.413	0.349	0.325	0.280	0.275	0.355	23.52
		---- Linear regr., Force(0,0) ---- Coefficient = 0.9923								
		Response Ratio = 0.00000 + 0.28607 *A								
18)		trans-1,2-Dichloroe	0.671	0.640	0.638	0.679	0.648	0.669	0.658	2.67
19)		Hexane	0.391	0.392	0.336	0.369	0.348	0.356	0.365	6.22
20)		Methyl Tert Butyl E	1.097	1.045	0.978	1.011	0.920	0.938	0.998	6.67
21)		Acetonitrile	0.048	0.030	0.028	0.026	0.024	0.023	0.030	31.22
		---- Linear regr., Force(0,0) ---- Coefficient = 0.9980								
		Response Ratio = 0.00000 + 0.02393 *A								
22)		Di-isopropyl ether	1.887	1.886	1.832	1.909	1.839	1.870	1.870	1.60
23)		Chloroprene	0.613	0.671	0.650	0.705	0.666	0.704	0.668	5.24
24)	P	1,1-Dichloroethane	0.762	0.768	0.759	0.793	0.758	0.792	0.772	2.11
25)		Acrylonitrile	0.145	0.138	0.122	0.123	0.107	0.103	0.123	13.39
26)		ETBE	1.535	1.498	1.431	1.464	1.379	1.441	1.458	3.74
27)		Vinyl acetate	0.775	0.686	0.751	0.724	0.675	0.662	0.712	6.34
28)		cis-1,2-Dichloroeth	0.336	0.384	0.374	0.386	0.377	0.383	0.373	5.11
29)		2,2-Dichloropropane	0.234	0.287	0.262	0.278	0.261	0.247	0.261	7.38
30)		Bromochloromethane	0.202	0.209	0.210	0.217	0.199	0.197	0.206	3.82
31)		Cyclohexane	0.731	0.714	0.684	0.714	0.678	0.673	0.699	3.41
32)	C	Chloroform	0.754	0.719	0.723	0.753	0.724	0.720	0.732	2.27
33)		Ethyl acetate	0.490	0.404	0.387	0.369	0.336	0.310	0.383	16.39
		---- Linear regr., Force(0,0) ---- Coefficient = 0.9915								

Initial Calibration Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample: VG2070-ICC2070
Lab FileID: G0054781.D

```
              Response Ratio = 0.00000 + 0.32887 *A

 34)     Tetrahydrofuran     0.303 0.183 0.115 0.118 0.123 0.105 0.158  48.26
 35) S   Dibromofluoromethan 0.321 0.325 0.324 0.319 0.310 0.313 0.319   1.88
 36)     Carbon Tetrachlorid 0.494 0.411 0.491 0.517 0.507 0.512 0.489   8.08
 37)     1,1,1-Trichloroetha 0.505 0.507 0.489 0.517 0.504 0.507 0.505   1.80
 38)     2-Butanone          0.408 0.341 0.302 0.282 0.243 0.221 0.299  22.73
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9992
               Response Ratio = 0.00000 + 0.33354 *A + -0.00569 *A^2

 39)     1,1-Dichloropropene 0.572 0.555 0.541 0.557 0.541 0.552 0.553   2.05
 40)     Propionitrile       0.071 0.053 0.047 0.043 0.038 0.035 0.048  27.27
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9994
               Response Ratio = 0.00000 + 0.05049 *A + -0.00040 *A^2

 41)     Methacrylonitrile   0.461 0.388 0.351 0.321 0.287 0.262 0.345  21.01
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
               Response Ratio = 0.00000 + 0.37848 *A + -0.00295 *A^2

 42)     Benzene             1.431 1.328 1.314 1.340 1.264 1.253 1.322   4.85
 43)     TAME                1.201 1.152 1.077 1.066 0.993 0.980 1.078   8.03
 44) S   1,2-Dichloroethane-  0.454 0.444 0.448 0.404 0.383 0.367 0.417   8.88
 45)     1,2-Dichloroethane  0.722 0.668 0.633 0.660 0.606 0.600 0.648   7.00
 46)     Trichloroethene     0.436 0.393 0.381 0.387 0.367 0.372 0.390   6.36
 47)     Methylcyclohexane   0.504 0.529 0.526 0.535 0.519 0.513 0.521   2.21
 48)     Dibromomethane      0.243 0.264 0.251 0.248 0.237 0.243 0.248   3.72
 49) C   1,2-Dichloropropane 0.435 0.452 0.435 0.459 0.431 0.435 0.441   2.59
 50)     Bromodichloromethan 0.459 0.555 0.545 0.572 0.559 0.573 0.544   7.85
 51)     Methyl methacrylate 0.553 0.515 0.452 0.436 0.400 0.402 0.459  13.56
 52)     2-Chloroethyl vinyl 0.176 0.184 0.168 0.165 0.156 0.146 0.166   8.14
 53)     cis-1,3-Dichloropro 0.520 0.590 0.609 0.647 0.618 0.625 0.602   7.30

 54) I   Chlorobenzene-d5       ----------------ISTD---------------------
 55) S   Toluene-d8          1.290 1.358 1.411 1.466 1.474 1.567 1.427   6.80
 56) C   Toluene             1.750 1.745 1.800 1.904 1.883 1.970 1.842   4.95
 57)     2-Nitropropane      0.164 0.161 0.165 0.170 0.161 0.163 0.164   2.08
 58)     4-Methyl-2-pentanon 0.862 0.743 0.706 0.677 0.611 0.626 0.704  13.00
 59)     trans-1,3-Dichlorop 0.635 0.697 0.713 0.740 0.720 0.764 0.711   6.20
 60)     Tetrachloroethene   0.443 0.447 0.469 0.486 0.491 0.520 0.476   6.10
 61)     Ethyl methacrylate  0.585 0.607 0.670 0.660 0.650 0.666 0.640   5.48
 62)     1,1,2-Trichloroetha 0.401 0.351 0.388 0.381 0.383 0.391 0.382   4.47
 63)     Dibromochloromethan 0.434 0.462 0.487 0.522 0.516 0.543 0.494   8.25
 64)     1,3-Dichloropropane 0.747 0.778 0.785 0.780 0.771 0.803 0.777   2.35
 65)     1,2-Dibromoethane   0.415 0.439 0.433 0.440 0.433 0.446 0.434   2.49
 66)     2-hexanone          0.704 0.617 0.574 0.555 0.503 0.500 0.575  13.39
 67)     1-Chlorohexane      0.582 0.597 0.645 0.671 0.661 0.729 0.647   8.21
 68) C   Ethylbenzene        1.823 1.903 1.953 2.059 2.016 2.130 1.981   5.59
 69) P   Chlorobenzene       1.029 1.060 1.090 1.121 1.089 1.176 1.094   4.65
 70)     1,1,1,2-Tetrachloro 0.352 0.385 0.417 0.438 0.436 0.466 0.416   9.91
 71)     m,p-Xylene          1.590 1.566 1.609 1.625 1.586 1.626 1.600   1.49
 72)     o-Xylene            1.585 1.593 1.666 1.751 1.724 1.837 1.693   5.75
 73)     Styrene             0.981 1.107 1.143 1.207 1.177 1.279 1.149   8.80
 74) P   Bromoform           0.204 0.284 0.297 0.321 0.314 0.338 0.293  16.16
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9977
               Response Ratio = 0.00000 + 0.32672 *A

 75)     Isopropylbenzene    1.482 1.511 1.552 1.632 1.594 1.723 1.582   5.53

 76) I   1,4-Dichlorobenzene-d ----------------ISTD---------------------
 77) S   4-Bromofluorobenzen 0.828 0.868 0.867 0.885 0.896 0.896 0.873   2.93
```

Initial Calibration Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample: VG2070-ICC2070
Lab FileID: G0054781.D

78)		cis-1,4-Dichloro-2-	0.510	0.465	0.456	0.442	0.431	0.425	0.455	6.78
79)		n-Propylbenzene	4.662	4.673	4.706	4.724	4.631	4.669	4.677	0.71
80)		Bromobenzene	0.911	0.919	0.894	0.911	0.888	0.890	0.902	1.46
81)	P	1,1,2,2-Tetrachloro	1.190	1.103	1.073	0.999	0.949	0.935	1.041	9.46
82)		1,3,5-Trimethylbenz	2.885	2.992	3.031	3.025	2.986	2.996	2.986	1.77
83)		2-Chlorotoluene	3.279	3.208	3.294	3.300	3.234	3.301	3.270	1.20
84)		trans-1,4-Dichloro-	0.181	0.201	0.188	0.184	0.176	0.172	0.184	5.68
85)		1,2,3-Trichloroprop	0.300	0.260	0.251	0.250	0.224	0.211	0.249	12.40
86)		Cyclohexanone	0.059	0.038	0.037	0.035	0.032	0.030	0.039	26.62
		---- Linear regr., Force(0,0) ---- Coefficient = 0.9941								
		Response Ratio = 0.00000 + 0.03166 *A								
87)		4-Chlorotoluene	2.891	2.987	2.994	3.034	2.975	2.980	2.977	1.58
88)		tert-Butylbenzene	2.111	2.097	2.072	2.056	2.042	2.060	2.073	1.26
89)		1,2,4-Trimethylbenz	2.932	2.993	3.104	3.041	2.936	2.923	2.988	2.44
90)		Pentachloroethane	0.469	0.556	0.551	0.559	0.541	0.515	0.532	6.53
91)		sec-Butylbenzene	3.653	3.781	3.778	3.849	3.712	3.739	3.752	1.79
92)		4-Isopropyltoluene	2.695	2.811	2.873	2.865	2.798	2.750	2.799	2.44
93)		1,3-Dichlorobenzene	1.599	1.582	1.611	1.639	1.640	1.615	1.615	1.40
94)		1,4-Dichlorobenzene	1.645	1.585	1.592	1.638	1.632	1.637	1.621	1.60
95)		n-Butylbenzene	1.524	1.732	1.751	1.948	1.943	1.942	1.807	9.44
96)		Benzyl Chloride	0.251	0.297	0.309	0.304	0.291	0.287	0.290	7.10
97)		1,2-Dichlorobenzene	1.494	1.514	1.526	1.511	1.535	1.498	1.513	1.04
98)		1,2-Dibromo-3-Chlor	0.238	0.186	0.167	0.179	0.167	0.165	0.184	15.23
		---- Linear regr., Force(0,0) ---- Coefficient = 0.9984								
		Response Ratio = 0.00000 + 0.16753 *A								
99)		Hexachlorobutadiene	0.710	0.683	0.705	0.739	0.738	0.741	0.719	3.33
100)		1,2,4-Trichlorobenz	0.991	1.007	1.028	1.043	1.022	1.039	1.022	1.96
101)		Naphthalene	2.061	1.796	1.901	1.849	1.805	1.764	1.863	5.80
102)		1,2,3-Trichlorobenz	0.934	0.876	0.898	0.891	0.886	0.861	0.891	2.78
103)	I	Tert Butyl Alcohol-d1 ----------ISTD----------								
104)		Ethanol	0.410	0.462	0.497	0.534	0.609	0.586	0.516	14.59
		---- Linear regr., Force(0,0) ---- Coefficient = 0.9963								
		Response Ratio = 0.00000 + 0.58221 *A								
105)		Acrolein	0.884	1.187	1.303	1.299	1.559	1.494	1.288	18.68
		---- Linear regr., Force(0,0) ---- Coefficient = 0.9941								
		Response Ratio = 0.00000 + 1.47927 *A								
106)		Tert Butyl Alcohol	1.543	1.425	1.254	1.336	1.436	1.398	1.399	7.01
107)		Isobutyl alcohol	0.424	0.400	0.420	0.453	0.549	0.467	0.452	11.71
108)		Tert Amyl Alcohol	1.151	1.186	1.151	1.185	1.330	1.231	1.206	5.62
109)		1,4-Dioxane		0.091	0.087	0.100	0.104	0.104	0.097	7.93

(#) = Out of Range

APP9-GR.M Thu Dec 11 15:50:30 2008

Initial Calibration Verification

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample: VG2070-ICV2070
Lab FileID: G0054784.D

Evaluate Continuing Calibration Report

Data File : G:\HPCHEM\1\DATA\121108\G0054784.D Vial: 7
Acq On : 11 Dec 2008 2:19 pm Operator: MikeM
Sample : icv2070-3 Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p

Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:10:45 2008
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	101	0.00	11.25
2		Dichlorodifluoromethane	0.414	0.287	30.7#	74	0.00	4.27
3	P	Chloromethane	0.602	0.562	6.6	100	0.00	4.69
4	C	Vinyl Chloride	0.412	0.355	13.8	90	0.01	4.90
5		Bromomethane	0.179	0.168	6.1	92	0.01	5.56
6		Chloroethane	0.199	0.177	11.1	92	0.00	5.81
7		Trichlorofluoromethane	0.358	0.341	4.7	98	0.01	6.08
8		Ethyl Ether	0.273	0.236	13.6	91	0.01	6.53
9		1,2-Dichlorotrifluoroetha	0.611	0.563	7.9	94	0.00	6.88
10	C	1,1-Dichloroethene	0.646	0.650	-0.6	105	0.00	6.94
11		Freon 113	0.347	0.326	6.1	98	0.00	6.98
12		Carbon Disulfide	1.219	1.022	16.2	87	0.00	7.05
13		Iodomethane	0.746	0.595	20.2#	84	0.00	7.22
14		Allyl chloride	0.685	0.826	-20.6#	121	0.00	7.65
		----------	Amount	Calc.	%Drift		----------	
15		Methylene Chloride	50.000	50.219	-0.4	101	0.00	7.85
16		Acetone	250.000	143.164	42.7#	61	0.00	7.87
17		Methyl acetate	250.000	266.366	-6.5	88	0.00	8.02
		----------	AvgRF	CCRF	%Dev		----------	
18		trans-1,2-Dichloroethene	0.658	0.669	-1.7	106	0.00	8.06
19		Hexane	0.365	0.396	-8.5	119	0.01	8.14
20		Methyl Tert Butyl Ether	0.998	0.891	10.7	92	0.01	8.17
		----------	Amount	Calc.	%Drift		----------	
21		Acetonitrile	500.000	516.666	-3.3	90	0.00	8.58
		----------	AvgRF	CCRF	%Dev		----------	
22		Di-isopropyl ether	1.870	1.780	4.8	98	0.01	8.66
23		Chloroprene	0.668	0.740	-10.8	115	0.00	8.90
24	P	1,1-Dichloroethane	0.772	0.796	-3.1	106	0.00	8.94
25		Acrylonitrile	0.123	0.106	13.8	88	0.00	9.01
26		ETBE	1.458	1.359	6.8	96	0.00	9.16
27		Vinyl acetate	0.712	0.490	31.2#	66	0.00	9.20
28		cis-1,2-Dichloroethene	0.373	0.374	-0.3	101	0.00	9.67
29		2,2-Dichloropropane	0.261	0.277	-6.1	107	0.01	9.82
30		Bromochloromethane	0.206	0.175	15.0	84	0.01	9.94
31		Cyclohexane	0.699	0.729	-4.3	108	0.00	9.97
32	C	Chloroform	0.732	0.775	-5.9	108	0.00	9.99
		----------	Amount	Calc.	%Drift		----------	

Initial Calibration Verification

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample: VG2070-ICV2070
Lab FileID: G0054784.D

33		Ethyl acetate	250.000	368.577	-47.4#	126	0.00	10.07
			AvgRF	CCRF	%Dev			
34		Tetrahydrofuran	0.158	0.130	17.7	114	0.00	10.23
35	S	Dibromofluoromethane	0.319	0.311	2.5	97	0.01	10.24
36		Carbon Tetrachloride	0.489	0.504	-3.1	104	0.00	10.22
37		1,1,1-Trichloroethane	0.505	0.528	-4.6	109	0.00	10.31
			Amount	Calc.	%Drift			
38		2-Butanone	250.000	162.586	35.0#	69	0.00	10.37
			AvgRF	CCRF	%Dev			
39		1,1-Dichloropropene	0.553	0.544	1.6	102	0.00	10.44
			Amount	Calc.	%Drift			
40		Propionitrile	500.000	410.140	18.0	83	0.01	10.78
41		Methacrylonitrile	500.000	424.238	15.2	86	0.00	10.80
			AvgRF	CCRF	%Dev			
42		Benzene	1.322	1.346	-1.8	104	0.01	10.77
43		TAME	1.078	0.998	7.4	94	0.00	10.82
44	S	1,2-Dichloroethane-d4	0.417	0.395	5.3	89	0.00	10.93
45		1,2-Dichloroethane	0.648	0.613	5.4	98	0.00	11.01
46		Trichloroethene	0.390	0.387	0.8	102	0.01	11.46
47		Methylcyclohexane	0.521	0.586	-12.5	113	0.01	11.47
48		Dibromomethane	0.248	0.238	4.0	96	0.00	11.98
49	C	1,2-Dichloropropane	0.441	0.433	1.8	100	0.00	12.09
50		Bromodichloromethane	0.544	0.522	4.0	97	0.01	12.13
51		Methyl methacrylate	0.459	0.422	8.1	94	0.00	12.22
52		2-Chloroethyl vinyl ether	0.166	0.211	-27.1#	127	0.00	12.71
53		cis-1,3-Dichloropropene	0.602	0.625	-3.8	104	0.00	12.85
54	I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.01	14.83
55	S	Toluene-d8	1.427	1.457	-2.1	102	0.00	13.07
56	C	Toluene	1.842	1.930	-4.8	106	0.00	13.13
57		2-Nitropropane	0.164	0.142	13.4	86	0.01	13.40
58		4-Methyl-2-pentanone	0.704	0.614	12.8	86	0.00	13.49
59		trans-1,3-Dichloropropene	0.711	0.767	-7.9	107	0.00	13.57
60		Tetrachloroethene	0.476	0.516	-8.4	109	0.00	13.59
61		Ethyl methacrylate	0.640	0.575	10.2	85	0.00	13.65
62		1,1,2-Trichloroethane	0.382	0.368	3.7	94	0.00	13.77
63		Dibromochloromethane	0.494	0.494	0.0	101	0.00	13.99
64		1,3-Dichloropropane	0.777	0.723	6.9	91	0.00	14.09
65		1,2-Dibromoethane	0.434	0.403	7.1	92	0.00	14.30
66		2-hexanone	0.575	0.464	19.3	80	0.00	14.41
67		1-Chlorohexane	0.647	0.715	-10.5	110	0.00	14.73
68	C	Ethylbenzene	1.981	2.105	-6.3	107	0.00	14.82
69	P	Chlorobenzene	1.094	1.147	-4.8	104	0.00	14.85
70		1,1,1,2-Tetrachloroethane	0.416	0.426	-2.4	101	0.00	14.89
71		m,p-Xylene	1.600	1.729	-8.1	107	0.01	14.97
72		o-Xylene	1.693	1.780	-5.1	106	0.00	15.43
73		Styrene	1.149	1.240	-7.9	108	0.00	15.48
			Amount	Calc.	%Drift			
74	P	Bromoform	50.000	43.014	14.0	94	0.00	15.57
			AvgRF	CCRF	%Dev			
75		Isopropylbenzene	1.582	1.758	-11.1	112	0.00	15.73
76	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00	17.09

Initial Calibration Verification

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample: VG2070-ICV2070
Lab FileID: G0054784.D

77	S	4-Bromofluorobenzene	0.873	0.819	6.2	96	0.00	16.05
78		cis-1,4-Dichloro-2-butene	0.455	0.400	12.1	89	0.00	16.07
79		n-Propylbenzene	4.677	4.926	-5.3	107	0.00	16.12
80		Bromobenzene	0.902	0.908	-0.7	103	0.00	16.18
81	P	1,1,2,2-Tetrachloroethane	1.041	0.983	5.6	93	0.00	16.19
82		1,3,5-Trimethylbenzene	2.986	3.223	-7.9	108	0.00	16.28
83		2-Chlorotoluene	3.270	3.441	-5.2	106	0.00	16.32
84		trans-1,4-Dichloro-2-Bute	0.184	0.168	8.7	91	0.00	16.36
85		1,2,3-Trichloropropane	0.249	0.197	20.9#	80	0.00	16.36
			Amount	Calc.	%Drift			
86		Cyclohexanone	250.000	224.768	10.1	78	0.00	16.44
			AvgRF	CCRF	%Dev			
87		4-Chlorotoluene	2.977	3.122	-4.9	106	0.00	16.47
88		tert-Butylbenzene	2.073	2.228	-7.5	109	0.00	16.60
89		1,2,4-Trimethylbenzene	2.988	3.182	-6.5	104	0.00	16.65
90		Pentachloroethane	0.532	0.558	-4.9	103	0.00	16.66
91		sec-Butylbenzene	3.752	4.091	-9.0	110	0.00	16.75
92		4-Isopropyltoluene	2.799	3.057	-9.2	108	0.00	16.86
93		1,3-Dichlorobenzene	1.615	1.650	-2.2	104	0.00	17.03
94		1,4-Dichlorobenzene	1.621	1.669	-3.0	107	0.00	17.11
95		n-Butylbenzene	1.807	2.059	-13.9	120	0.00	17.26
96		Benzyl Chloride	0.290	0.232	20.0	76	0.00	17.32
97		1,2-Dichlorobenzene	1.513	1.566	-3.5	104	0.00	17.51
			Amount	Calc.	%Drift			
98		1,2-Dibromo-3-Chloropropa	50.000	45.381	9.2	93	0.00	18.25
			AvgRF	CCRF	%Dev			
99		Hexachlorobutadiene	0.719	0.787	-9.5	114	0.00	18.82
100		1,2,4-Trichlorobenzene	1.022	1.046	-2.3	104	0.00	18.91
101		Naphthalene	1.863	1.819	2.4	97	0.00	19.26
102		1,2,3-Trichlorobenzene	0.891	0.880	1.2	100	0.00	19.46
103	I	Tert Butyl Alcohol-d10	1.000	1.000	0.0	80	0.00	8.13
			Amount	Calc.	%Drift			
104		Ethanol	1000.000	969.279	3.1	91	0.01	6.53
105		Acrolein	250.000	40.417	83.8#	15	0.00	7.45
			AvgRF	CCRF	%Dev			
106		Tert Butyl Alcohol	1.399	1.319	5.7	84	0.01	8.25
107		Isobutyl alcohol	0.452	0.470	-4.0	90	0.00	10.86
108		Tert Amyl Alcohol	1.206	1.225	-1.6	85	0.00	11.00
109		1,4-Dioxane	0.097	0.087	10.3	80	0.02	12.36

(#) = Out of Range SPCC's out = 0 CCC's out = 0
G0054780.D APP9-GR.M Thu Dec 11 15:20:58 2008

Continuing Calibration Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample: VG2071-CC2070
Lab FileID: G0054808.D

Evaluate Continuing Calibration Report

Data File : G:\HPCHEM\1\DATA\121208\G0054808.D Vial: 1
Acq On : 12 Dec 2008 9:03 am Operator: MikeM
Sample : cc2070-4 Inst : MSVOA1
Misc : ms11045,vg2071,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p

Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	109	-0.02	11.23
2		Dichlorodifluoromethane	0.414	0.381	8.0	95	0.00	4.26
3	P	Chloromethane	0.602	0.561	6.8	101	0.00	4.68
4	C	Vinyl Chloride	0.412	0.384	6.8	98	0.00	4.89
5		Bromomethane	0.179	0.172	3.9	104	-0.02	5.53
6		Chloroethane	0.199	0.190	4.5	102	-0.02	5.79
7		Trichlorofluoromethane	0.358	0.347	3.1	103	-0.02	6.05
8		Ethyl Ether	0.273	0.221	19.0	89	0.00	6.51
9		1,2-Dichlorotrifluoroetha	0.611	0.599	2.0	106	-0.02	6.86
10	C	1,1-Dichloroethene	0.646	0.638	1.2	105	-0.02	6.92
11		Freon 113	0.347	0.331	4.6	103	-0.02	6.96
12		Carbon Disulfide	1.219	1.243	-2.0	104	-0.02	7.03
13		Iodomethane	0.746	0.717	3.9	99	-0.02	7.20
14		Allyl chloride	0.685	0.719	-5.0	105	-0.02	7.63
			Amount	Calc.	%Drift			
15		Methylene Chloride	100.000	95.868	4.1	99	-0.02	7.83
16		Acetone	500.000	359.871	28.0#	80	0.00	7.86
17		Methyl acetate	500.000	352.732	29.5#	68	0.00	8.01
			AvgRF	CCRF	%Dev			
18		trans-1,2-Dichloroethene	0.658	0.633	3.8	101	0.00	8.05
19		Hexane	0.365	0.354	3.0	105	0.00	8.12
20		Methyl Tert Butyl Ether	0.998	0.778	22.0#	84	0.00	8.15
			Amount	Calc.	%Drift			
21		Acetonitrile	1000.000	873.874	12.6	88	0.00	8.57
			AvgRF	CCRF	%Dev			
22		Di-isopropyl ether	1.870	1.630	12.8	93	0.00	8.64
23		Chloroprene	0.668	0.687	-2.8	106	-0.02	8.88
24	P	1,1-Dichloroethane	0.772	0.734	4.9	101	0.00	8.93
25		Acrylonitrile	0.123	0.093	24.4#	82	-0.02	8.98
26		ETBE	1.458	1.224	16.0	91	-0.02	9.14
27		Vinyl acetate	0.712	0.676	5.1	102	-0.02	9.18
28		cis-1,2-Dichloroethene	0.373	0.351	5.9	99	-0.02	9.65
29		2,2-Dichloropropane	0.261	0.259	0.8	101	0.00	9.80
30		Bromochloromethane	0.206	0.178	13.6	89	0.00	9.92
31		Cyclohexane	0.699	0.681	2.6	104	-0.02	9.95
32	C	Chloroform	0.732	0.675	7.8	98	0.00	9.98
			Amount	Calc.	%Drift			

Continuing Calibration Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample: VG2071-CC2070
Lab FileID: G0054808.D

33		Ethyl acetate	500.000	398.608	20.3#	77	0.00	10.06
		----------	AvgRF	CCRF	%Dev	----------		
34		Tetrahydrofuran	0.158	0.096	39.2#	89	-0.02	10.21
35	S	Dibromofluoromethane	0.319	0.315	1.3	108	0.00	10.22
36		Carbon Tetrachloride	0.489	0.443	9.4	93	0.00	10.21
37		1,1,1-Trichloroethane	0.505	0.475	5.9	100	0.00	10.30
		----------	Amount	Calc.	%Drift	----------		
38		2-Butanone	500.000	324.932	35.0#	74	0.00	10.36
		----------	AvgRF	CCRF	%Dev	----------		
39		1,1-Dichloropropene	0.553	0.538	2.7	105	0.00	10.43
		----------	Amount	Calc.	%Drift	----------		
40		Propionitrile	1000.000	638.878	36.1#	74	0.00	10.76
41		Methacrylonitrile	1000.000	662.582	33.7#	76	-0.02	10.78
		----------	AvgRF	CCRF	%Dev	----------		
42		Benzene	1.322	1.250	5.4	102	0.00	10.75
43		TAME	1.078	0.854	20.8#	87	-0.02	10.80
44	S	1,2-Dichloroethane-d4	0.417	0.366	12.2	98	0.00	10.92
45		1,2-Dichloroethane	0.648	0.516	20.4#	85	0.00	11.00
46		Trichloroethene	0.390	0.366	6.2	103	0.00	11.44
47		Methylcyclohexane	0.521	0.515	1.2	105	0.00	11.45
48		Dibromomethane	0.248	0.198	20.2#	87	-0.02	11.96
49	C	1,2-Dichloropropane	0.441	0.381	13.6	90	-0.02	12.07
50		Bromodichloromethane	0.544	0.482	11.4	92	0.00	12.11
51		Methyl methacrylate	0.459	0.318	30.7#	79	0.00	12.21
52		2-Chloroethyl vinyl ether	0.166	0.120	27.7#	79	0.00	12.70
53		cis-1,3-Dichloropropene	0.602	0.547	9.1	92	0.00	12.84
54	I	Chlorobenzene-d5	1.000	1.000	0.0	107	0.00	14.81
55	S	Toluene-d8	1.427	1.485	-4.1	109	-0.02	13.05
56	C	Toluene	1.842	1.781	3.3	101	-0.02	13.11
57		2-Nitropropane	0.164	0.109	33.5#	69	0.00	13.38
58		4-Methyl-2-pentanone	0.704	0.449	36.2#	71	0.00	13.48
59		trans-1,3-Dichloropropene	0.711	0.591	16.9	86	-0.02	13.55
60		Tetrachloroethene	0.476	0.463	2.7	102	0.00	13.58
61		Ethyl methacrylate	0.640	0.504	21.3#	82	0.00	13.64
62		1,1,2-Trichloroethane	0.382	0.303	20.7#	85	-0.02	13.75
63		Dibromochloromethane	0.494	0.416	15.8	86	-0.02	13.97
64		1,3-Dichloropropane	0.777	0.618	20.5#	85	-0.02	14.07
65		1,2-Dibromoethane	0.434	0.336	22.6#	82	0.00	14.29
66		2-hexanone	0.575	0.390	32.2#	76	0.00	14.40
67		1-Chlorohexane	0.647	0.644	0.5	103	0.00	14.72
68	C	Ethylbenzene	1.981	1.937	2.2	101	-0.02	14.80
69	P	Chlorobenzene	1.094	1.039	5.0	100	-0.02	14.83
70		1,1,1,2-Tetrachloroethane	0.416	0.389	6.5	95	0.00	14.88
71		m,p-Xylene	1.600	1.540	3.8	102	0.00	14.95
72		o-Xylene	1.693	1.606	5.1	99	0.00	15.42
73		Styrene	1.149	1.063	7.5	95	0.00	15.47
		----------	Amount	Calc.	%Drift	----------		
74	P	Bromoform	100.000	71.874	28.1#	79	0.00	15.56
		----------	AvgRF	CCRF	%Dev	----------		
75		Isopropylbenzene	1.582	1.522	3.8	100	0.00	15.72
76	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00	17.08

Continuing Calibration Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample: VG2071-CC2070
Lab FileID: G0054808.D

77	S	4-Bromofluorobenzene	0.873	0.852	2.4	102	0.00	16.04
78		cis-1,4-Dichloro-2-butene	0.455	0.327	28.1#	78	0.00	16.06
79		n-Propylbenzene	4.677	4.462	4.6	100	0.00	16.11
80		Bromobenzene	0.902	0.825	8.5	96	0.00	16.17
81	P	1,1,2,2-Tetrachloroethane	1.041	0.721	30.7#	76	0.00	16.18
82		1,3,5-Trimethylbenzene	2.986	2.850	4.6	100	0.00	16.27
83		2-Chlorotoluene	3.270	3.141	3.9	101	0.00	16.31
84		trans-1,4-Dichloro-2-Bute	0.184	0.128	30.4#	74	0.00	16.35
85		1,2,3-Trichloropropane	0.249	0.168	32.5#	71	0.00	16.35
			Amount	Calc.	%Drift			
86		Cyclohexanone	500.000	382.723	23.5#	73	0.00	16.43
			AvgRF	CCRF	%Dev			
87		4-Chlorotoluene	2.977	2.848	4.3	99	0.00	16.46
88		tert-Butylbenzene	2.073	1.954	5.7	100	0.00	16.60
89		1,2,4-Trimethylbenzene	2.988	2.858	4.4	99	0.00	16.64
90		Pentachloroethane	0.532	0.534	-0.4	101	0.00	16.66
91		sec-Butylbenzene	3.752	3.729	0.6	102	0.00	16.75
92		4-Isopropyltoluene	2.799	2.726	2.6	101	0.00	16.86
93		1,3-Dichlorobenzene	1.615	1.523	5.7	98	0.00	17.02
94		1,4-Dichlorobenzene	1.621	1.453	10.4	94	0.00	17.10
95		n-Butylbenzene	1.807	1.824	-0.9	99	0.00	17.26
96		Benzyl Chloride	0.290	0.227	21.7#	79	0.00	17.30
97		1,2-Dichlorobenzene	1.513	1.326	12.4	93	0.00	17.50
			Amount	Calc.	%Drift			
98		1,2-Dibromo-3-Chloropropa	100.000	65.019	35.0#	64	0.00	18.25
			AvgRF	CCRF	%Dev			
99		Hexachlorobutadiene	0.719	0.726	-1.0	104	0.00	18.81
100		1,2,4-Trichlorobenzene	1.022	0.901	11.8	91	0.00	18.90
101		Naphthalene	1.863	1.288	30.9#	74	0.00	19.26
102		1,2,3-Trichlorobenzene	0.891	0.735	17.5	87	0.00	19.45
103	I	Tert Butyl Alcohol-d10	1.000	1.000	0.0	74	-0.02	8.11
			Amount	Calc.	%Drift			
104		Ethanol	2000.000	2118.150	-5.9	86	0.00	6.51
105		Acrolein	500.000	540.516	-8.1	91	0.00	7.44
			AvgRF	CCRF	%Dev			
106		Tert Butyl Alcohol	1.399	1.141	18.4	63	-0.02	8.22
107		Isobutyl alcohol	0.452	0.411	9.1	67	-0.02	10.84
108		Tert Amyl Alcohol	1.206	1.020	15.4	64	0.00	10.99
109		1,4-Dioxane	0.097	0.091	6.2	68	0.00	12.34

(#) = Out of Range SPCC's out = 0 CCC's out = 0

G0054781.D APP9-GR.M Fri Dec 12 12:43:28 2008

GC/MS Volatiles

6

Raw Data

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054802.D Vial: 25
Acq On : 11 Dec 2008 9:55 pm Operator: MikeM
Sample : f61975-1 Inst : MSVOA1
Misc : ms11045,vg2070,5.39,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 07:03:13 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

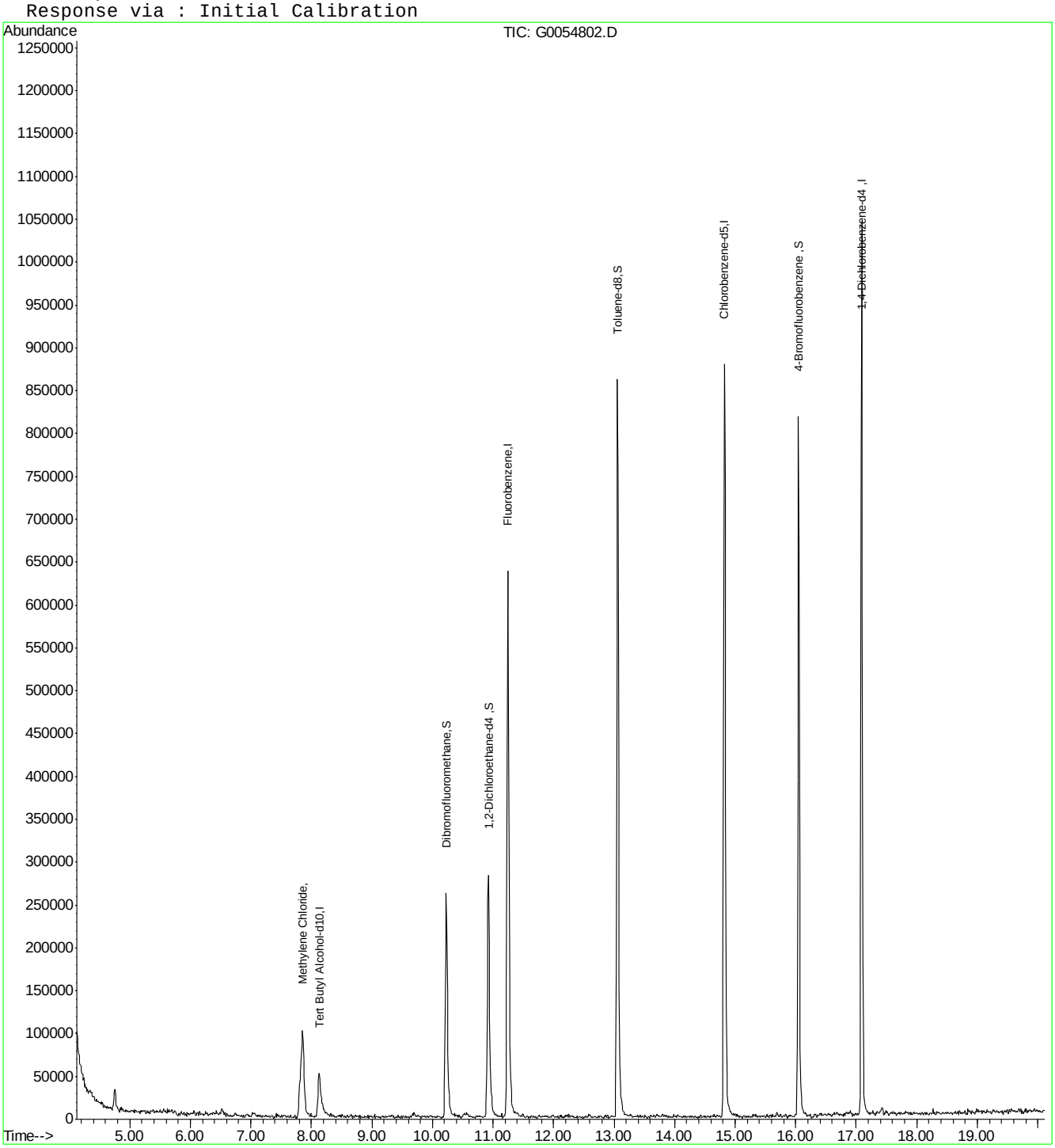
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	11.24	96	594182	50.00	ug/Kg	0.00
54) Chlorobenzene-d5	14.82	117	462879	50.00	ug/Kg	0.00
76) 1,4-Dichlorobenzene-d4	17.09	152	240458	50.00	ug/Kg	0.00
103) Tert Butyl Alcohol-d10	8.13	65	91140	250.00	ug/Kg	0.00
System Monitoring Compounds						
35) Dibromofluoromethane	10.23	113	196381	51.87	ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 121		Recovery = 103.74%			
44) 1,2-Dichloroethane-d4	10.93	65	267149	53.93	ug/Kg	0.00
Spiked Amount 50.000	Range 77 - 123		Recovery = 107.86%			
55) Toluene-d8	13.06	98	610498	46.20	ug/Kg	0.00
Spiked Amount 50.000	Range 71 - 130		Recovery = 92.40%			
77) 4-Bromofluorobenzene	16.04	174	197836	47.11	ug/Kg	0.00
Spiked Amount 50.000	Range 59 - 148		Recovery = 94.22%			
Target Compounds						Qvalue
15) Methylene Chloride	7.85	49	136439	16.72	ug/Kg	91

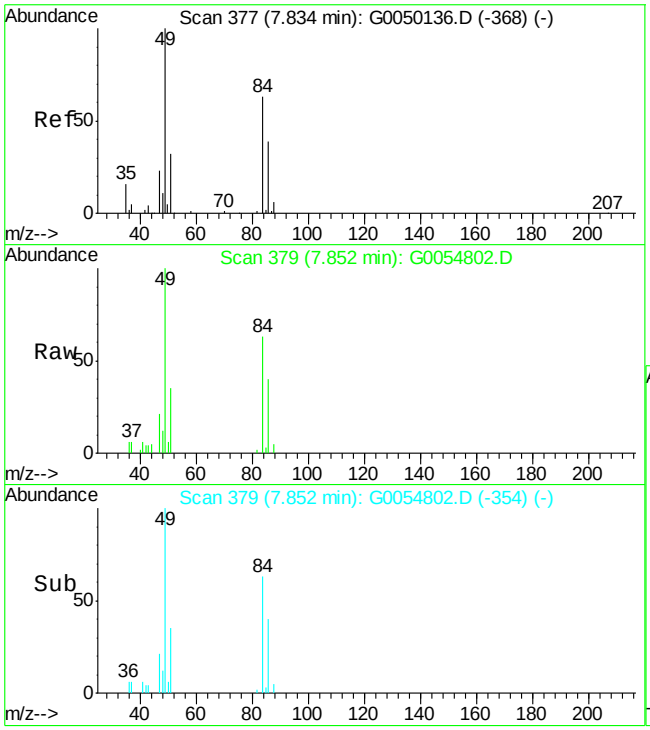
(#) = qualifier out of range (m) = manual integration (+) = signals summed
G0054802.D APP9-GR.M Fri Dec 12 08:25:48 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054802.D Vial: 25
Acq On : 11 Dec 2008 9:55 pm Operator: MikeM
Sample : f61975-1 Inst : MSVOA1
Misc : ms11045,vg2070,5.39,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 7:02 2008 Quant Results File: APP9-GR.RES

Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration

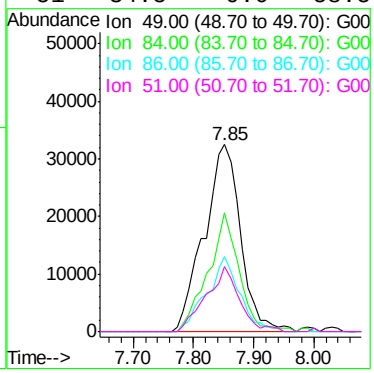




#15
Methylene Chloride
Concen: 16.72 ug/Kg
RT: 7.85 min Scan# 379
Delta R.T. 0.00 min
Lab File: G0054802.D
Acq: 11 Dec 2008 9:55 pm

Tgt Ion: 49 Resp: 136439

Ion	Ratio	Lower	Upper
49	100		
84	63.3	26.5	86.5
86	40.2	6.7	66.7
51	34.5	0.0	58.5



Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054803.D Vial: 26
Acq On : 11 Dec 2008 10:20 pm Operator: MikeM
Sample : f61975-2 Inst : MSVOA1
Misc : ms11045,vg2070,5.98,,100,5,1, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 07:03:14 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

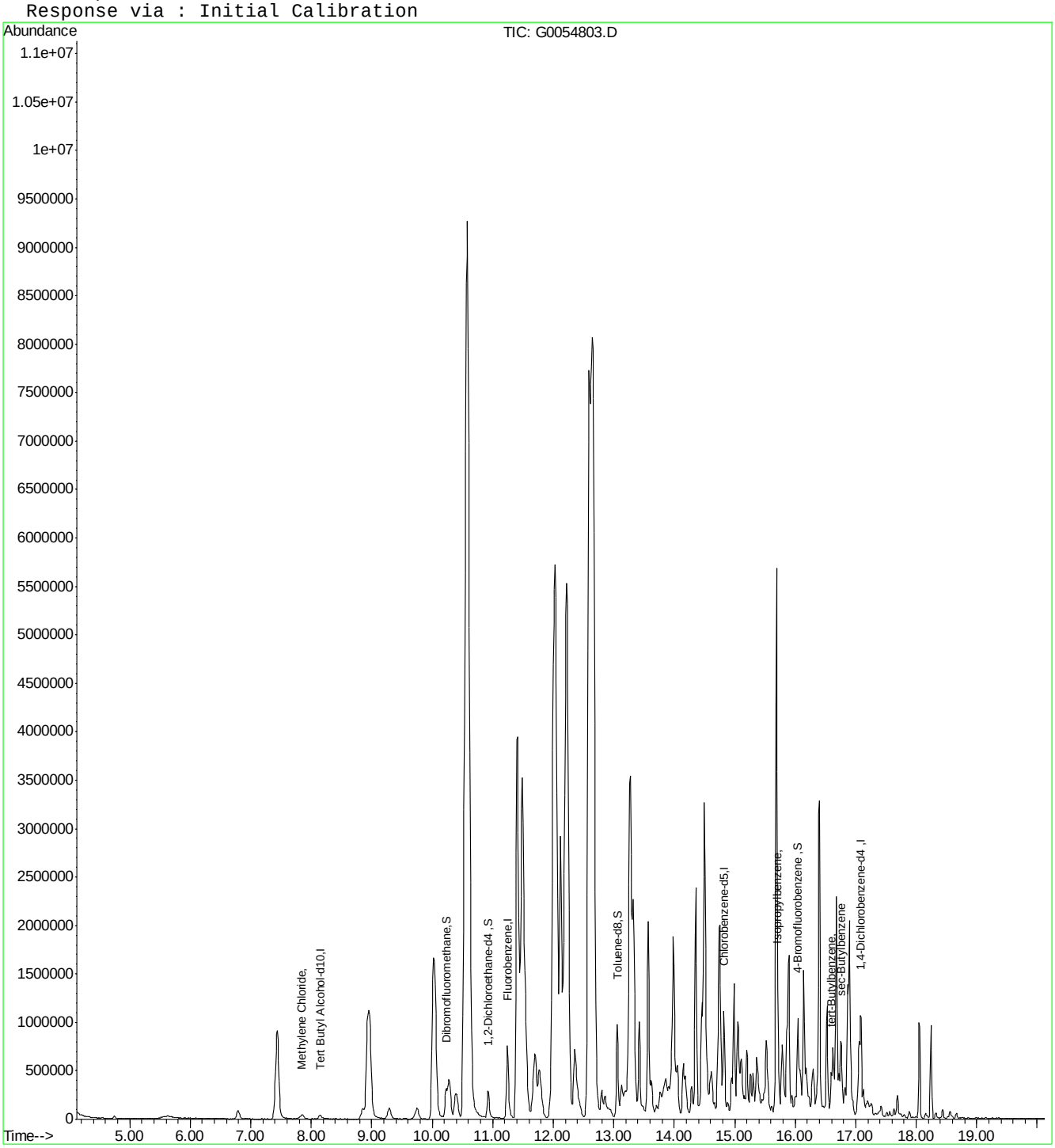
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	11.24	96	632126	50.00	ug/Kg	0.00
54) Chlorobenzene-d5	14.82	117	489819	50.00	ug/Kg	0.00
76) 1,4-Dichlorobenzene-d4	17.09	152	248491	50.00	ug/Kg	0.00
103) Tert Butyl Alcohol-d10	8.14	65	71181	250.00	ug/Kg	0.01
System Monitoring Compounds						
35) Dibromofluoromethane	10.23	113	185228	45.99	ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 121		Recovery = 91.98%			
44) 1,2-Dichloroethane-d4	10.92	65	260915	49.51	ug/Kg	0.00
Spiked Amount 50.000	Range 77 - 123		Recovery = 99.02%			
55) Toluene-d8	13.06	98	649469	46.44	ug/Kg	0.00
Spiked Amount 50.000	Range 71 - 130		Recovery = 92.88%			
77) 4-Bromofluorobenzene	16.04	174	202269	46.60	ug/Kg	0.00
Spiked Amount 50.000	Range 59 - 148		Recovery = 93.20%			
Target Compounds						Qvalue
15) Methylene Chloride	7.84	49	55602	6.40	ug/Kg	93
75) Isopropylbenzene	15.72	105	208282	13.44	ug/Kg	100
88) tert-Butylbenzene	16.60	91	125552	12.19	ug/Kg#	65
91) sec-Butylbenzene	16.75	105	277106	14.86	ug/Kg	95

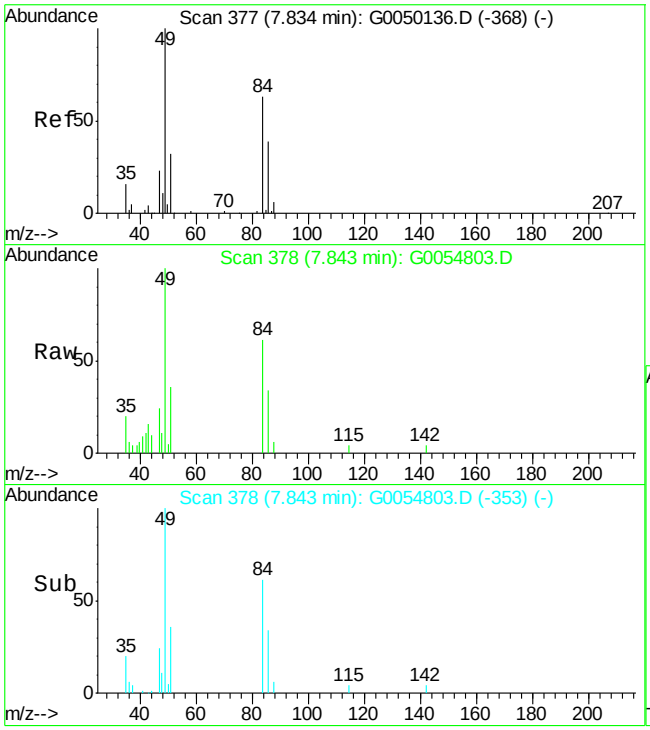
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054803.D Vial: 26
Acq On : 11 Dec 2008 10:20 pm Operator: MikeM
Sample : f61975-2 Inst : MSVOA1
Misc : ms11045,vg2070,5.98,,100,5,1, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 7:52 2008 Quant Results File: APP9-GR.RES

Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration

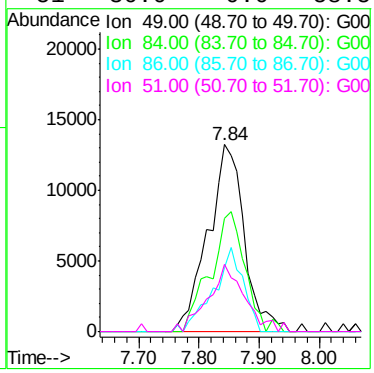


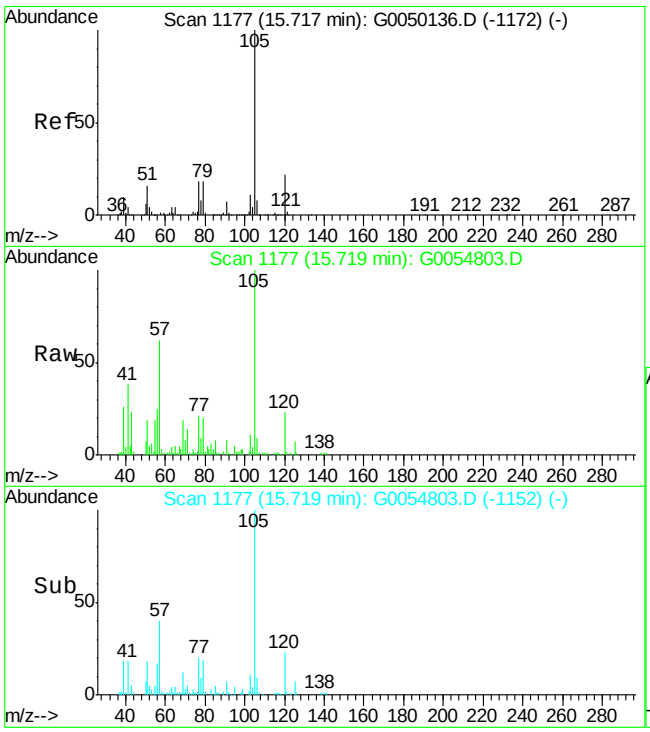


#15
Methylene Chloride
Concen: 6.40 ug/Kg
RT: 7.84 min Scan# 378
Delta R.T. -0.01 min
Lab File: G0054803.D
Acq: 11 Dec 2008 10:20 pm

Tgt Ion: 49 Resp: 55602

Ion	Ratio	Lower	Upper
49	100		
84	60.6	26.5	86.5
86	34.0	6.7	66.7
51	36.0	0.0	58.5

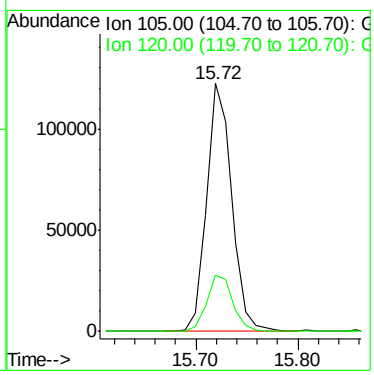




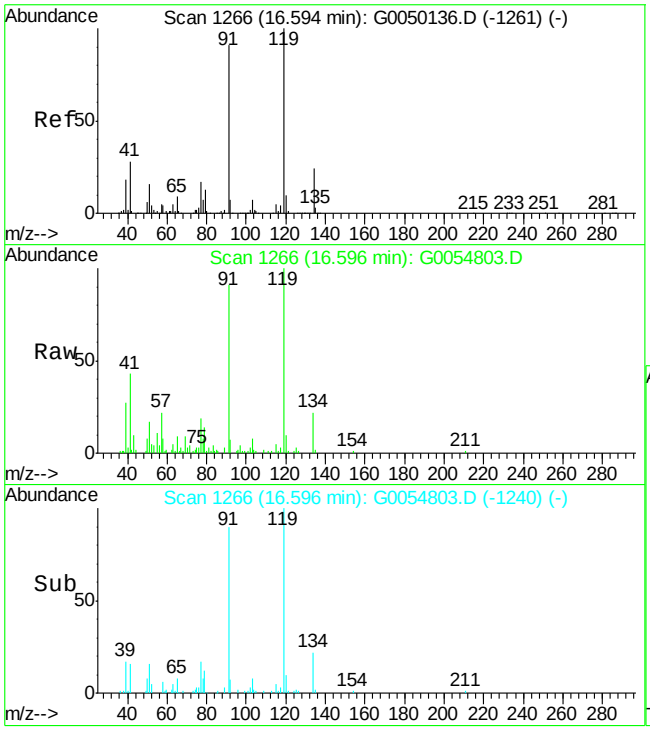
#75
Isopropylbenzene
Concen: 13.44 ug/Kg
RT: 15.72 min Scan# 1177
Delta R.T. -0.01 min
Lab File: G0054803.D
Acq: 11 Dec 2008 10:20 pm

Tgt Ion:105 Resp: 208282

Ion	Ratio	Lower	Upper
105	100		
120	22.7	0.0	52.6



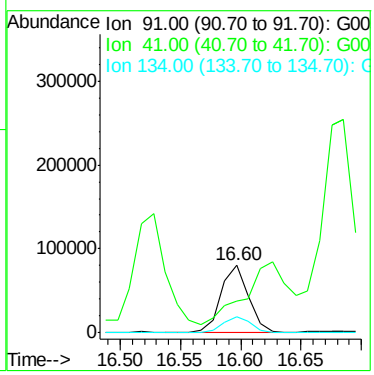
ACCUTEST Laboratories F61975

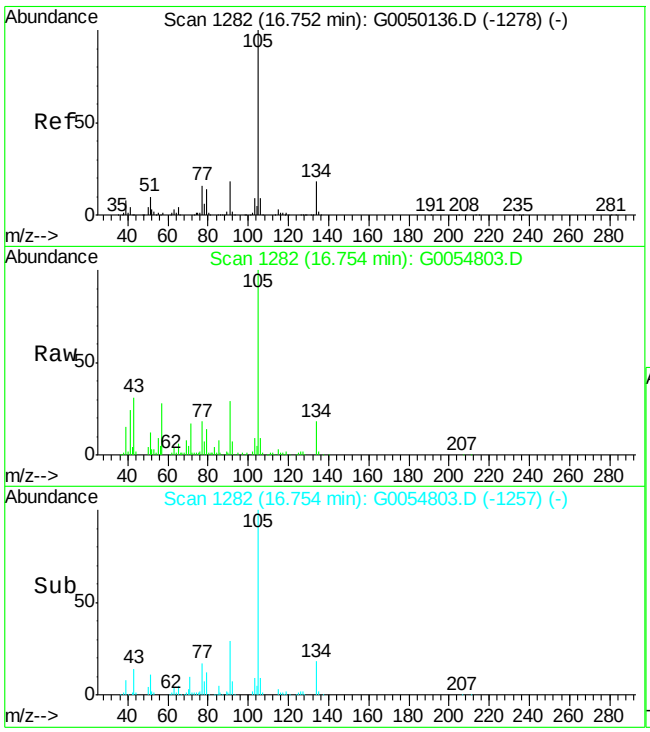


#88
tert-Butylbenzene
Concen: 12.19 ug/Kg
RT: 16.60 min Scan# 1266
Delta R.T. 0.00 min
Lab File: G0054803.D
Acq: 11 Dec 2008 10:20 pm

Tgt Ion: 91 Resp: 125552

Ion	Ratio	Lower	Upper
91	100		
41	0.0	2.2	62.2#
134	24.6	0.0	53.0

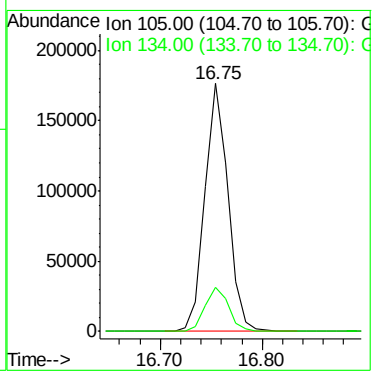




#91
sec-Butylbenzene
Concen: 14.86 ug/Kg
RT: 16.75 min Scan# 1282
Delta R.T. -0.01 min
Lab File: G0054803.D
Acq: 11 Dec 2008 10:20 pm

Tgt Ion:105 Resp: 277106

Ion	Ratio	Lower	Upper
105	100		
134	18.0	0.0	45.8



Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054804.D Vial: 27
Acq On : 11 Dec 2008 10:46 pm Operator: MikeM
Sample : f61975-3 Inst : MSVOA1
Misc : ms11045,vg2070,5.20,,100,5,1, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 07:03:15 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

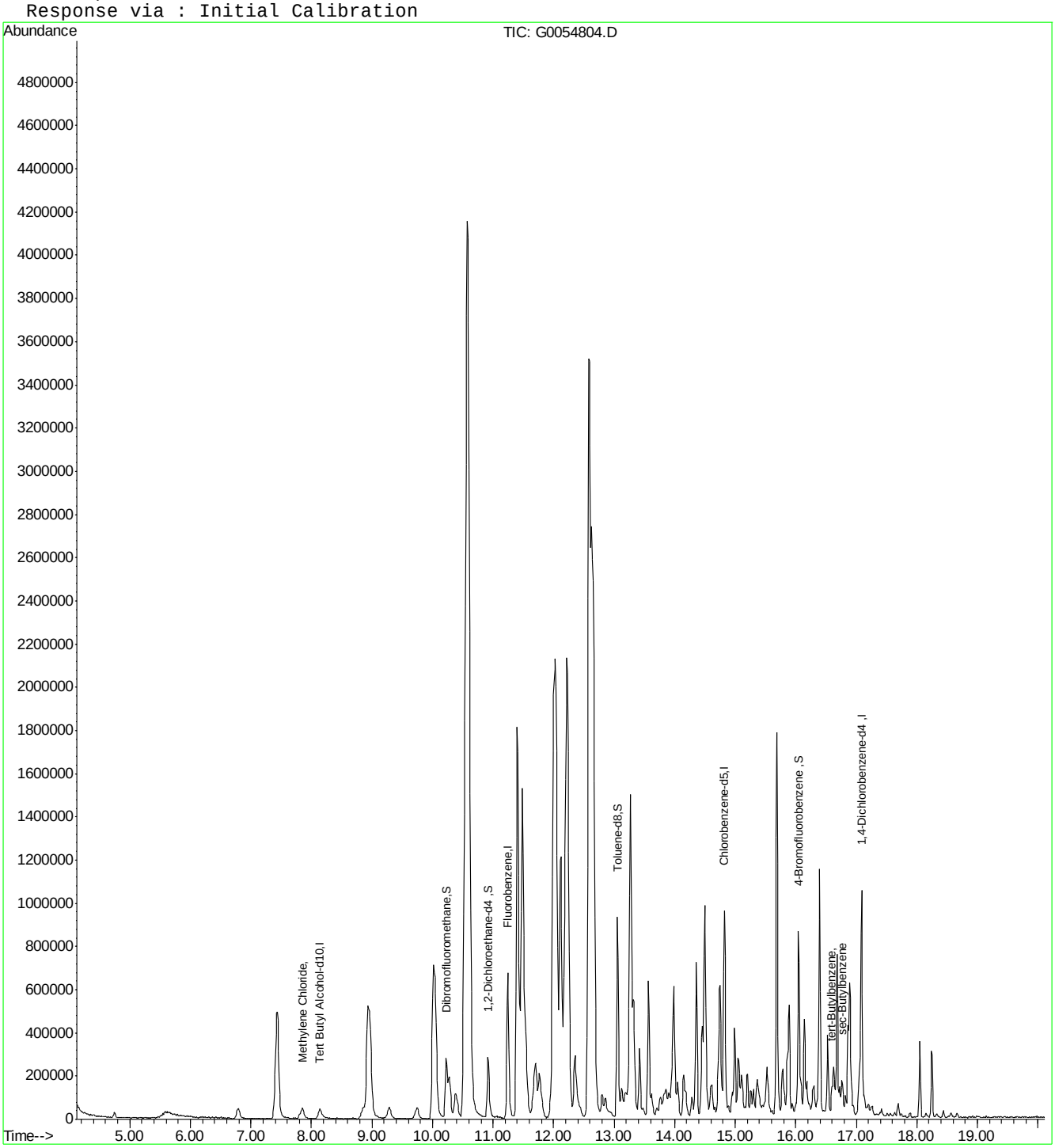
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	11.24	96	595831	50.00	ug/Kg	0.00
54) Chlorobenzene-d5	14.82	117	471052	50.00	ug/Kg	0.00
76) 1,4-Dichlorobenzene-d4	17.09	152	238903	50.00	ug/Kg	0.00
103) Tert Butyl Alcohol-d10	8.14	65	76670	250.00	ug/Kg	0.00
System Monitoring Compounds						
35) Dibromofluoromethane	10.23	113	181085	47.70	ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 121		Recovery = 95.40%			
44) 1,2-Dichloroethane-d4	10.92	65	258712	52.08	ug/Kg	0.00
Spiked Amount 50.000	Range 77 - 123		Recovery = 104.16%			
55) Toluene-d8	13.06	98	630334	46.87	ug/Kg	0.00
Spiked Amount 50.000	Range 71 - 130		Recovery = 93.74%			
77) 4-Bromofluorobenzene	16.05	174	199851	47.89	ug/Kg	0.00
Spiked Amount 50.000	Range 59 - 148		Recovery = 95.78%			
Target Compounds						Qvalue
15) Methylene Chloride	7.85	49	62670	7.66	ug/Kg	90
88) tert-Butylbenzene	16.59	91	42613	4.30	ug/Kg	89
91) sec-Butylbenzene	16.75	105	34759	1.94	ug/Kg	92

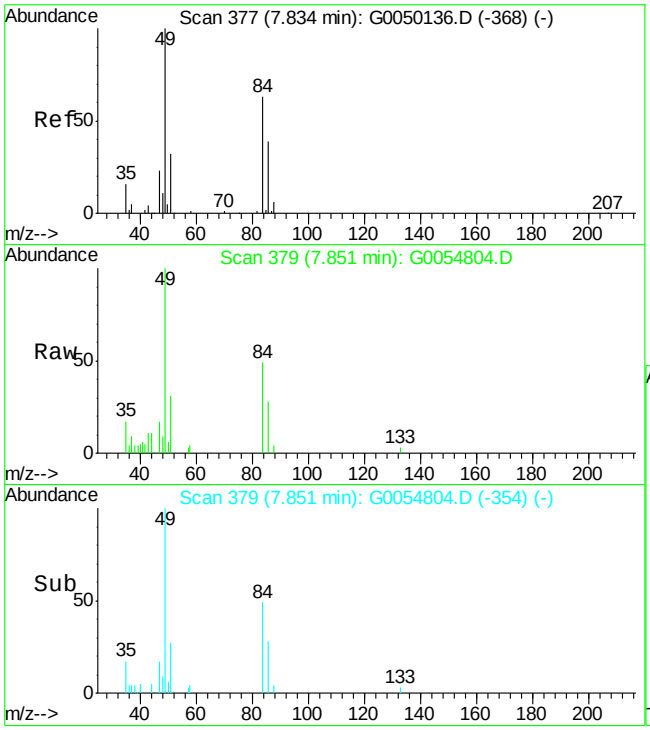
(#) = qualifier out of range (m) = manual integration (+) = signals summed
G0054804.D APP9-GR.M Fri Dec 12 08:26:05 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054804.D Vial: 27
Acq On : 11 Dec 2008 10:46 pm Operator: MikeM
Sample : f61975-3 Inst : MSVOA1
Misc : ms11045,vg2070,5.20,,100,5,1, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 7:54 2008 Quant Results File: APP9-GR.RES

Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration

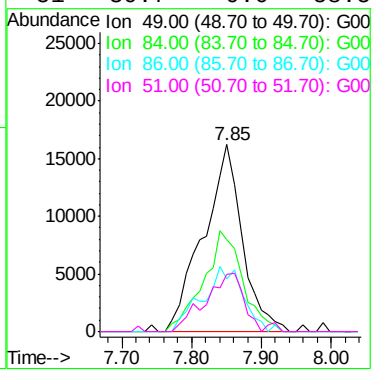


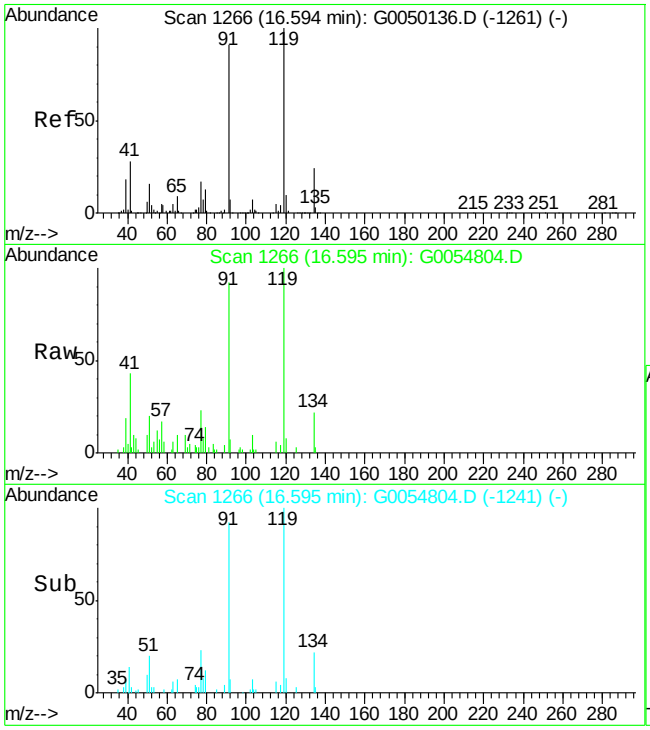


#15
Methylene Chloride
Concen: 7.66 ug/Kg
RT: 7.85 min Scan# 379
Delta R.T. 0.00 min
Lab File: G0054804.D
Acq: 11 Dec 2008 10:46 pm

Tgt Ion: 49 Resp: 62670

Ion	Ratio	Lower	Upper
49	100		
84	49.1	26.5	86.5
86	28.2	6.7	66.7
51	30.7	0.0	58.5

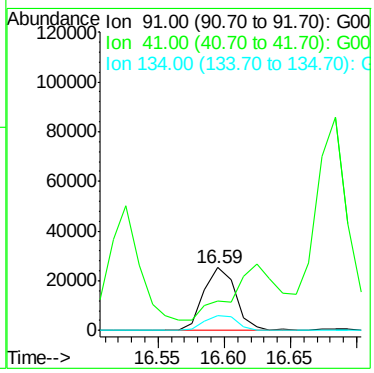


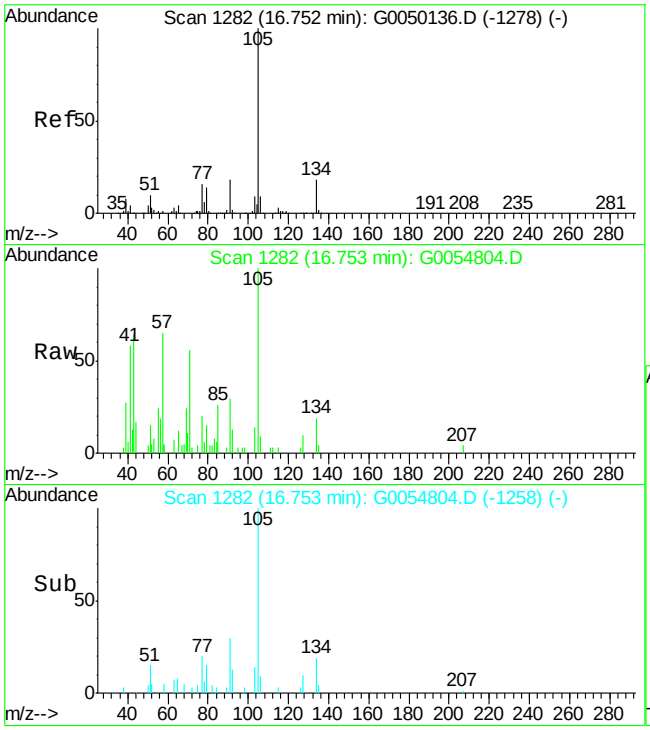


#88
tert-Butylbenzene
Concen: 4.30 ug/Kg
RT: 16.59 min Scan# 1266
Delta R.T. -0.00 min
Lab File: G0054804.D
Acq: 11 Dec 2008 10:46 pm

Tgt Ion: 91 Resp: 42613

Ion	Ratio	Lower	Upper
91	100		
41	22.9	2.2	62.2
134	24.1	0.0	53.0

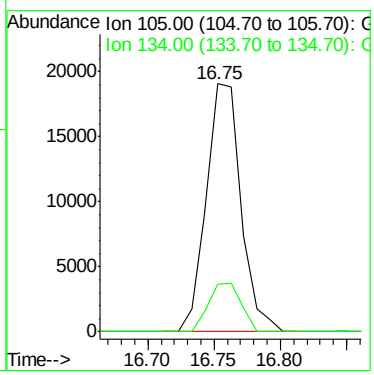




#91
sec-Butylbenzene
Concen: 1.94 ug/Kg
RT: 16.75 min Scan# 1282
Delta R.T. -0.01 min
Lab File: G0054804.D
Acq: 11 Dec 2008 10:46 pm

Tgt Ion:105 Resp: 34759

Ion	Ratio	Lower	Upper
105	100		
134	19.2	0.0	45.8



Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121208\G0054815.D Vial: 7
Acq On : 12 Dec 2008 12:36 pm Operator: MikeM
Sample : f61975-3 Inst : MSVOA1
Misc : ms11045,vg2071,5.96,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 12:57:44 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

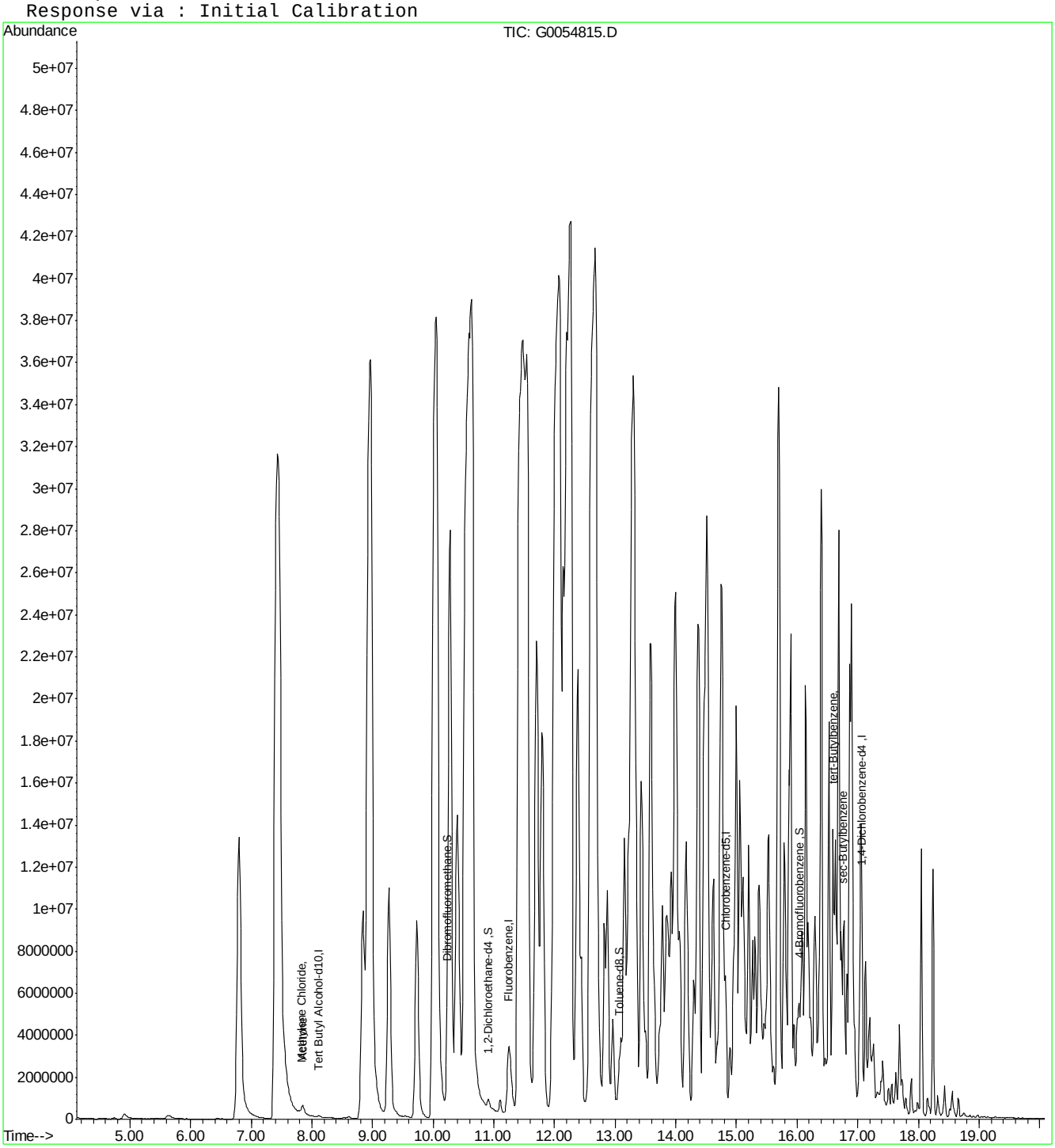
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	11.23	96	805043	50.00	ug/Kg	-0.02
54) Chlorobenzene-d5	14.81	117	569510	50.00	ug/Kg	0.00
76) 1,4-Dichlorobenzene-d4	17.08	152	288820	50.00	ug/Kg	0.00
103) Tert Butyl Alcohol-d10	8.11	65	118277	250.00	ug/Kg	-0.02
System Monitoring Compounds						
35) Dibromofluoromethane	10.22	113	226199	44.10	ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 121		Recovery = 88.20%			
44) 1,2-Dichloroethane-d4	10.92	65	340963	50.80	ug/Kg	0.00
Spiked Amount 50.000	Range 77 - 123		Recovery = 101.60%			
55) Toluene-d8	13.06	98	842439	51.81	ug/Kg	0.00
Spiked Amount 50.000	Range 71 - 130		Recovery = 103.62%			
77) 4-Bromofluorobenzene	16.04	174	227635	45.12	ug/Kg	0.00
Spiked Amount 50.000	Range 59 - 148		Recovery = 90.24%			
Target Compounds						Qvalue
15) Methylene Chloride	7.82	49	119742	10.83	ug/Kg	94
16) Acetone	7.85	43	1152392	299.61	ug/Kg	86
38) 2-Butanone	10.39	43	22264849	Below Cal		64
88) tert-Butylbenzene	16.60	91	4676752	390.58	ug/Kg#	65
91) sec-Butylbenzene	16.75	105	1154654	53.28	ug/Kg	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed
G0054815.D APP9-GR.M Fri Dec 12 13:03:44 2008 Page 1

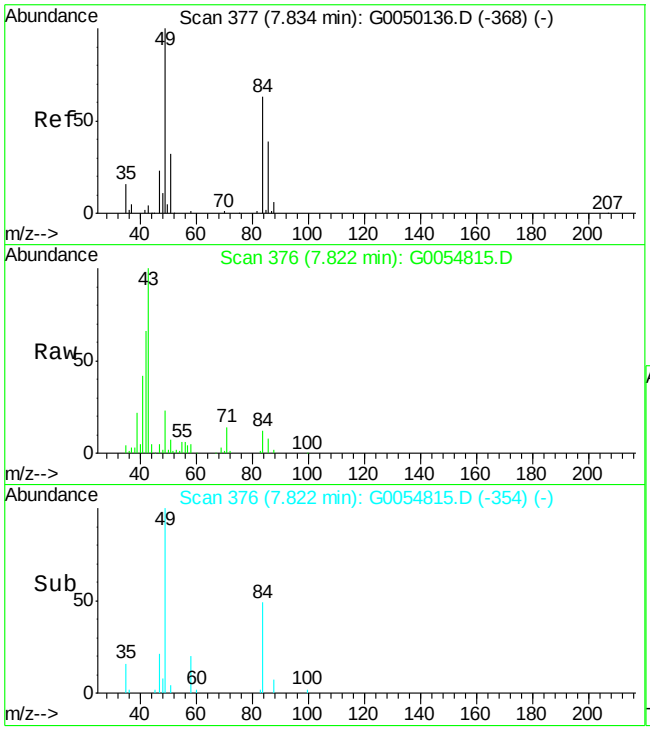
Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121208\G0054815.D Vial: 7
Acq On : 12 Dec 2008 12:36 pm Operator: MikeM
Sample : f61975-3 Inst : MSVOA1
Misc : ms11045,vg2071,5.96,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 13:02 2008 Quant Results File: APP9-GR.RES

Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration



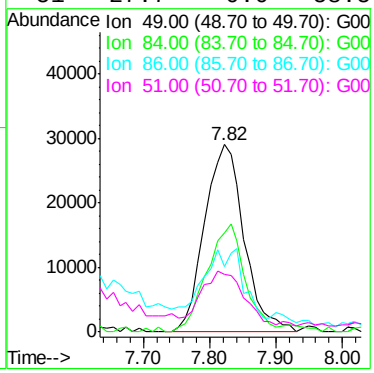
ACCUTEST Laboratories F61975

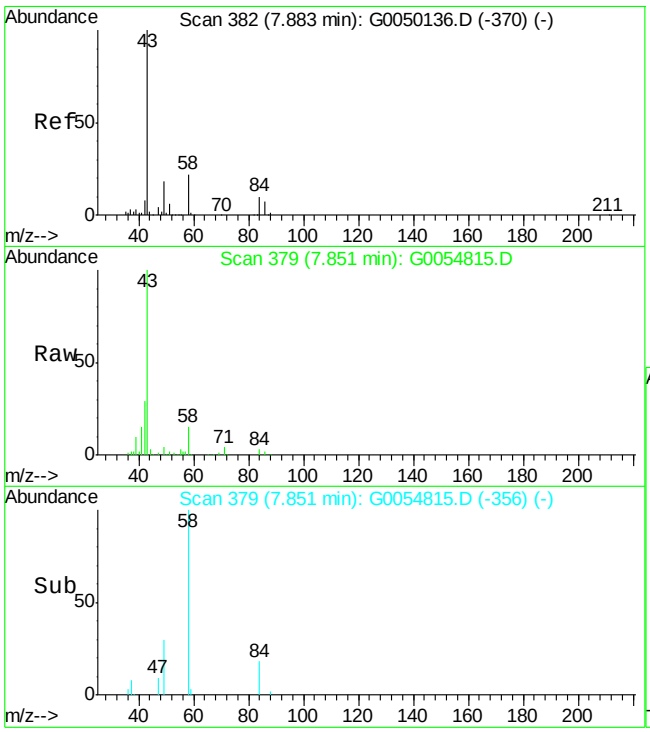


#15
Methylene Chloride
Concen: 10.83 ug/Kg
RT: 7.82 min Scan# 376
Delta R.T. -0.03 min
Lab File: G0054815.D
Acq: 12 Dec 2008 12:36 pm

Tgt Ion: 49 Resp: 119742

Ion	Ratio	Lower	Upper
49	100		
84	52.9	26.5	86.5
86	29.8	6.7	66.7
51	27.7	0.0	58.5

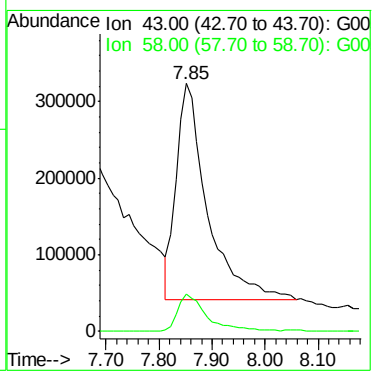


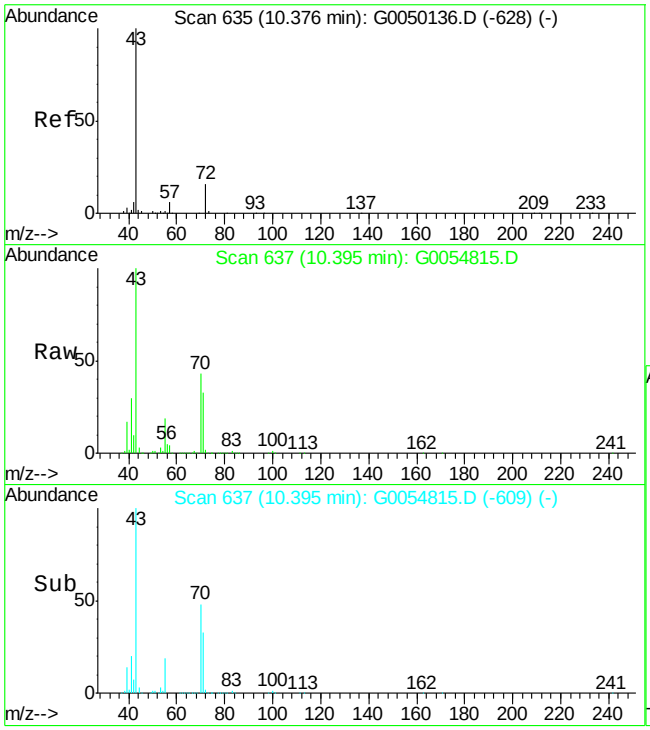


#16
Acetone
Concen: 299.61 ug/Kg
RT: 7.85 min Scan# 379
Delta R.T. -0.02 min
Lab File: G0054815.D
Acq: 12 Dec 2008 12:36 pm

Tgt Ion: 43 Resp: 1152392

Ion	Ratio	Lower	Upper
43	100		
58	15.2	0.0	52.0

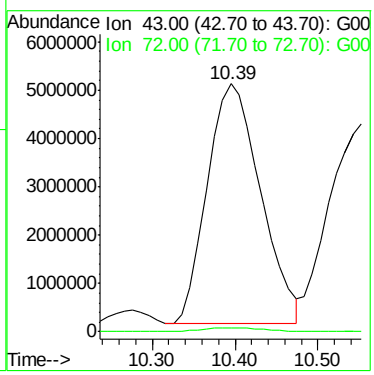


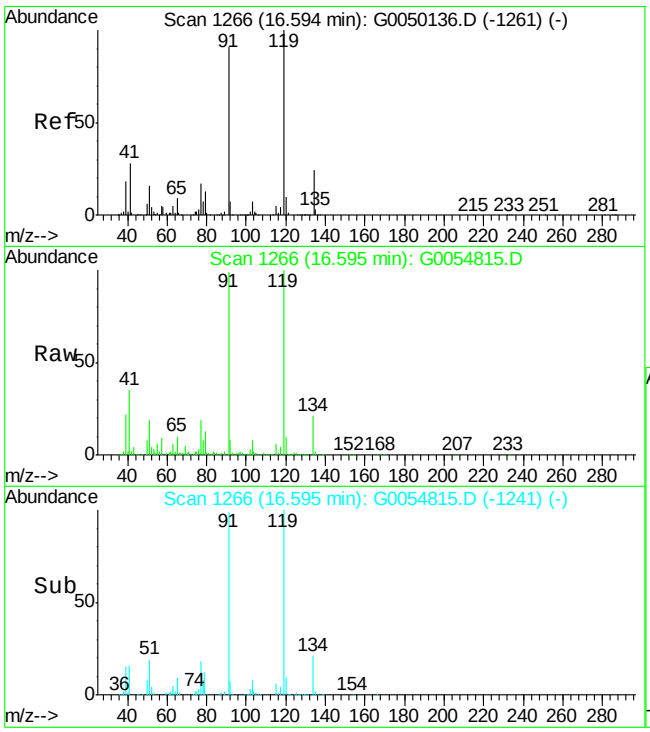


#38
2-Butanone
Concen: Below Cal
RT: 10.39 min Scan# 637
Delta R.T. 0.03 min
Lab File: G0054815.D
Acq: 12 Dec 2008 12:36 pm

Tgt Ion: 43 Resp:22264849

Ion	Ratio	Lower	Upper
43	100		
72	1.8	0.0	47.7

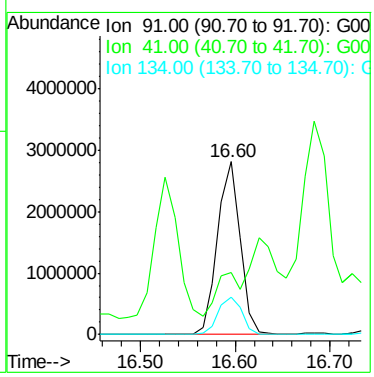


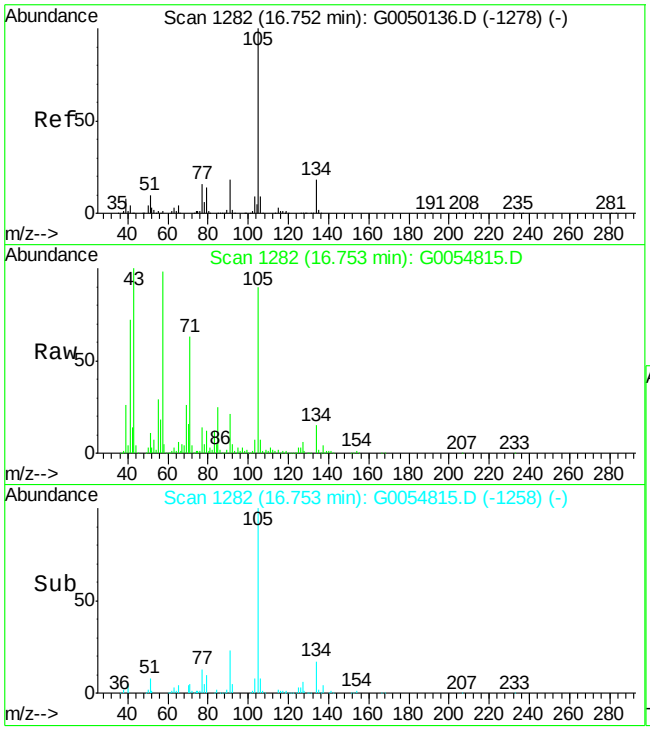


#88
tert-Butylbenzene
Concen: 390.58 ug/Kg
RT: 16.60 min Scan# 1266
Delta R.T. 0.00 min
Lab File: G0054815.D
Acq: 12 Dec 2008 12:36 pm

Tgt Ion: 91 Resp: 4676752

Ion	Ratio	Lower	Upper
91	100		
41	0.0	2.2	62.2#
134	21.7	0.0	53.0

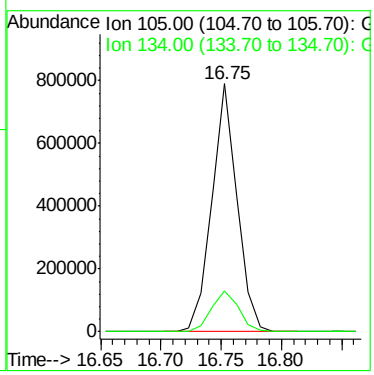




#91
sec-Butylbenzene
Concen: 53.28 ug/Kg
RT: 16.75 min Scan# 1282
Delta R.T. -0.01 min
Lab File: G0054815.D
Acq: 12 Dec 2008 12:36 pm

Tgt Ion:105 Resp: 1154654

Ion	Ratio	Lower	Upper
105	100		
134	16.5	0.0	45.8



Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121208\G0054816.D Vial: 8
Acq On : 12 Dec 2008 1:01 pm Operator: MikeM
Sample : f61975-4 Inst : MSVOA1
Misc : ms11045,vg2071,5.90,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 14:59:51 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

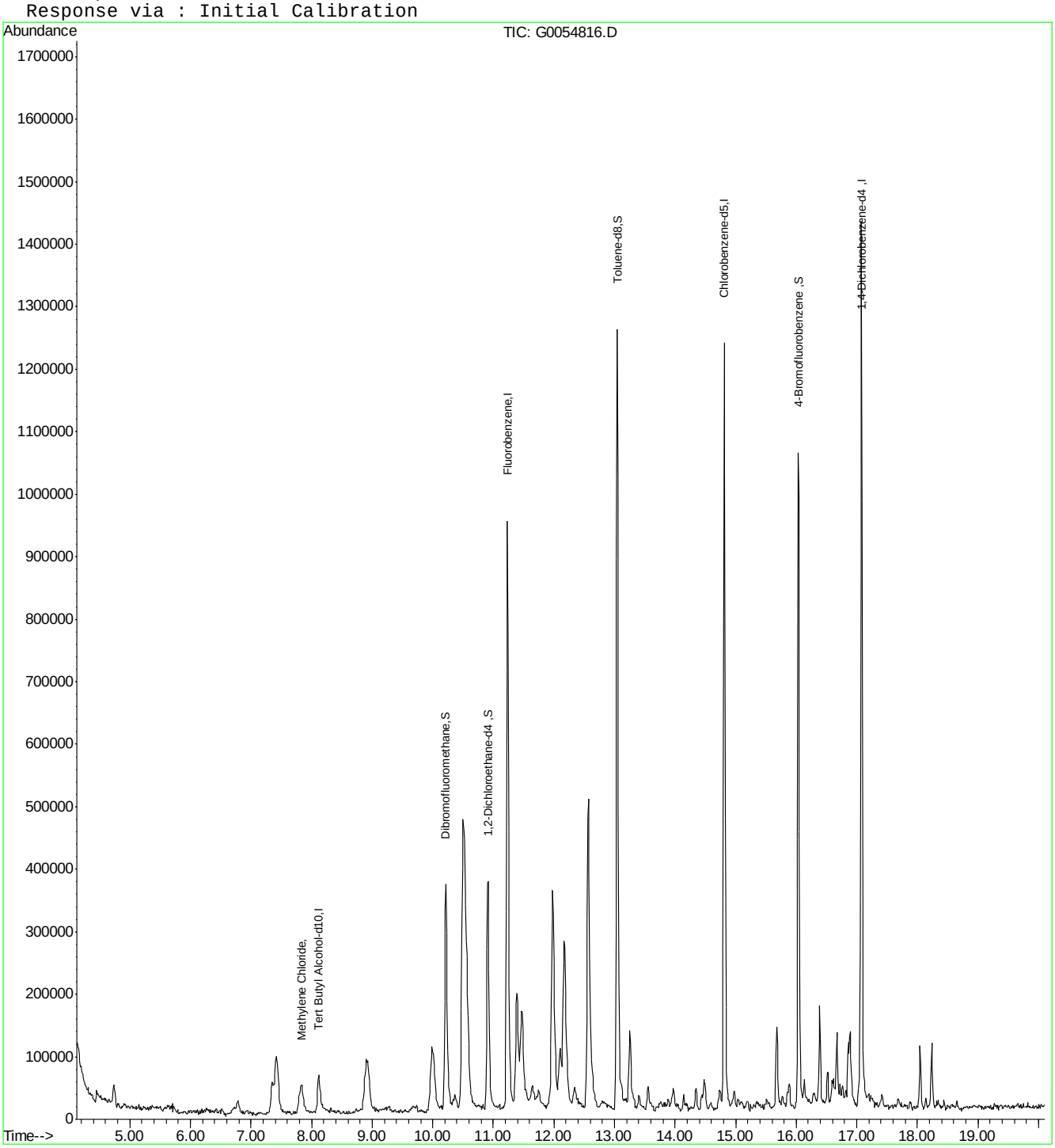
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	11.23	96	870157	50.00	ug/Kg	-0.02
54) Chlorobenzene-d5	14.81	117	649613	50.00	ug/Kg	-0.01
76) 1,4-Dichlorobenzene-d4	17.08	152	320516	50.00	ug/Kg	-0.01
103) Tert Butyl Alcohol-d10	8.12	65	118142	250.00	ug/Kg	-0.01
System Monitoring Compounds						
35) Dibromofluoromethane	10.22	113	263892	47.60	ug/Kg	-0.01
Spiked Amount 50.000	Range 80 - 121		Recovery = 95.20%			
44) 1,2-Dichloroethane-d4	10.91	65	354364	48.85	ug/Kg	-0.02
Spiked Amount 50.000	Range 77 - 123		Recovery = 97.70%			
55) Toluene-d8	13.05	98	875582	47.21	ug/Kg	-0.02
Spiked Amount 50.000	Range 71 - 130		Recovery = 94.42%			
77) 4-Bromofluorobenzene	16.04	174	259245	46.31	ug/Kg	-0.01
Spiked Amount 50.000	Range 59 - 148		Recovery = 92.62%			
Target Compounds						Qvalue
15) Methylene Chloride	7.82	49	63269	5.29	ug/Kg	82

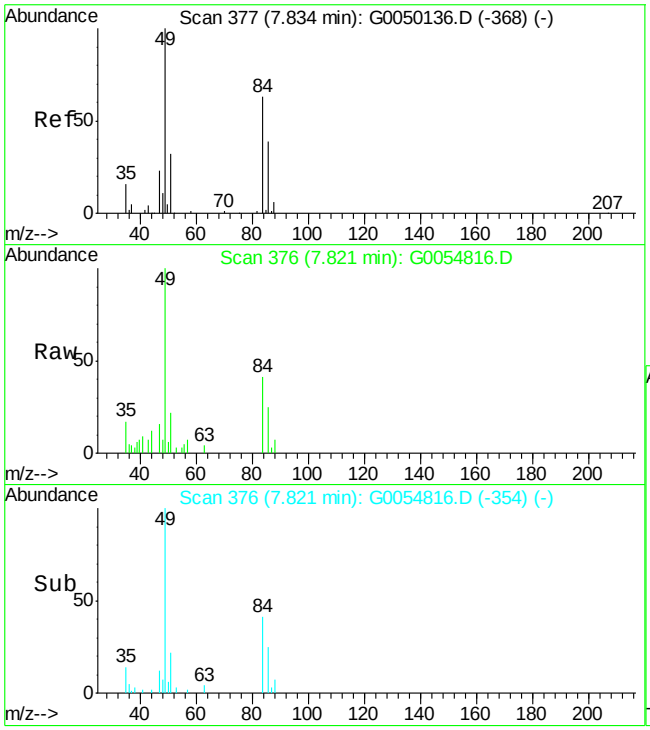
(#) = qualifier out of range (m) = manual integration (+) = signals summed
G0054816.D APP9-GR.M Fri Dec 12 15:01:43 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121208\G0054816.D Vial: 8
Acq On : 12 Dec 2008 1:01 pm Operator: MikeM
Sample : f61975-4 Inst : MSVOA1
Misc : ms11045,vg2071,5.90,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 15:00 2008 Quant Results File: APP9-GR.RES

Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration

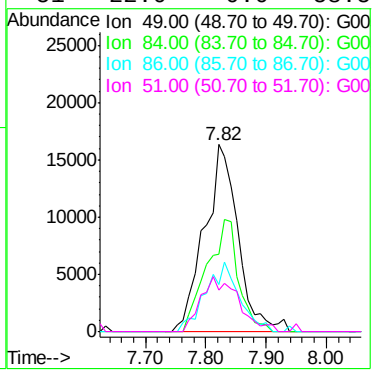




#15
Methylene Chloride
Concen: 5.29 ug/Kg
RT: 7.82 min Scan# 376
Delta R.T. -0.03 min
Lab File: G0054816.D
Acq: 12 Dec 2008 1:01 pm

Tgt Ion: 49 Resp: 63269

Ion	Ratio	Lower	Upper
49	100		
84	41.1	26.5	86.5
86	25.2	6.7	66.7
51	22.0	0.0	58.5



Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121208\G0054819.D Vial: 11
Acq On : 12 Dec 2008 2:18 pm Operator: MikeM
Sample : f61975-5 Inst : MSVOA1
Misc : ms11045,vg2071,5.58,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 14:59:54 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

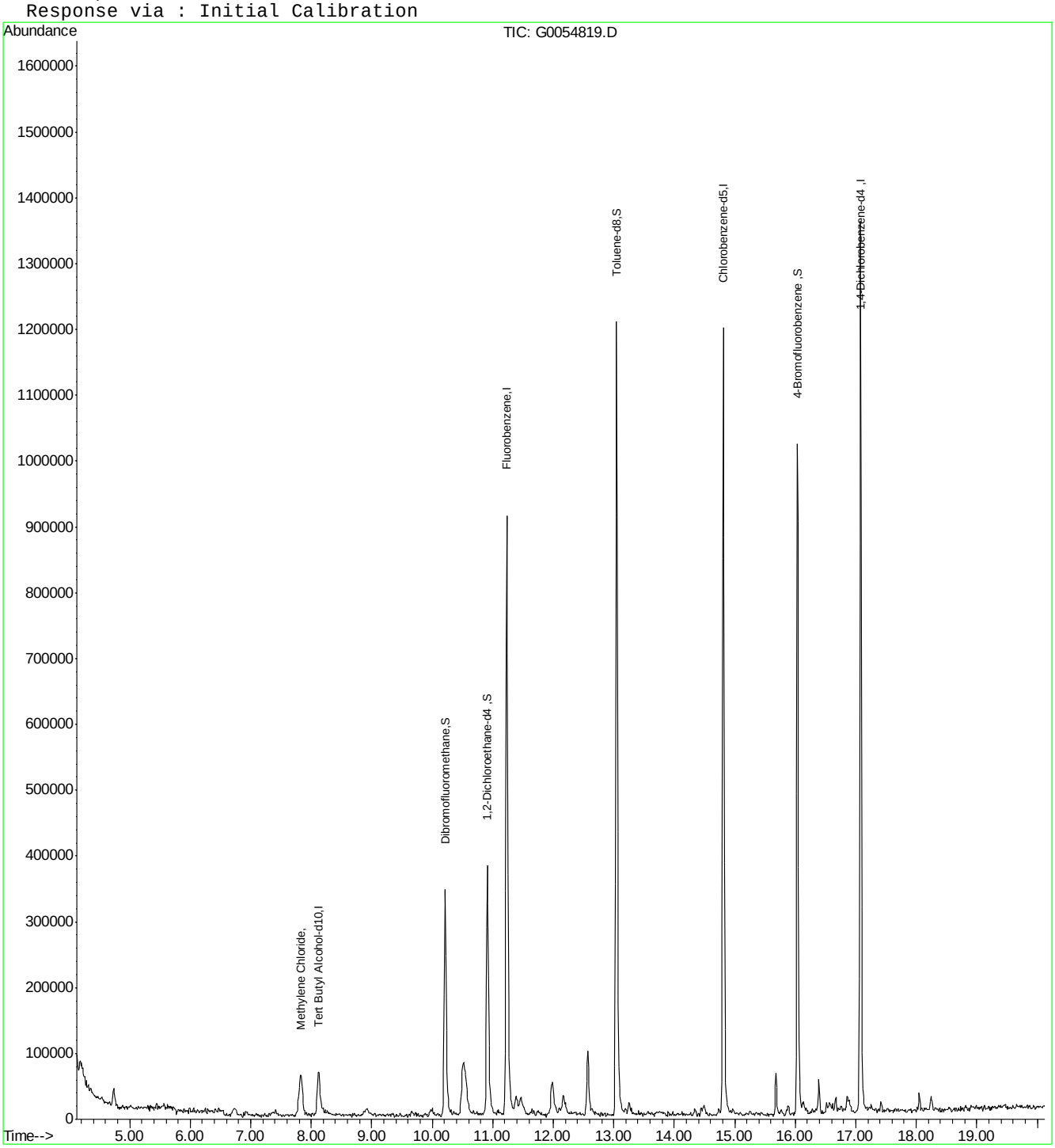
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	11.23	96	829360	50.00	ug/Kg	-0.02
54) Chlorobenzene-d5	14.81	117	624598	50.00	ug/Kg	0.00
76) 1,4-Dichlorobenzene-d4	17.08	152	312805	50.00	ug/Kg	0.00
103) Tert Butyl Alcohol-d10	8.12	65	123906	250.00	ug/Kg	0.00
System Monitoring Compounds						
35) Dibromofluoromethane	10.22	113	253377	47.95	ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 121		Recovery = 95.90%			
44) 1,2-Dichloroethane-d4	10.91	65	361089	52.23	ug/Kg	-0.02
Spiked Amount 50.000	Range 77 - 123		Recovery = 104.46%			
55) Toluene-d8	13.05	98	846371	47.46	ug/Kg	-0.02
Spiked Amount 50.000	Range 71 - 130		Recovery = 94.92%			
77) 4-Bromofluorobenzene	16.04	174	254271	46.54	ug/Kg	0.00
Spiked Amount 50.000	Range 59 - 148		Recovery = 93.08%			
Target Compounds						Qvalue
15) Methylene Chloride	7.83	49	89312	7.84	ug/Kg	96

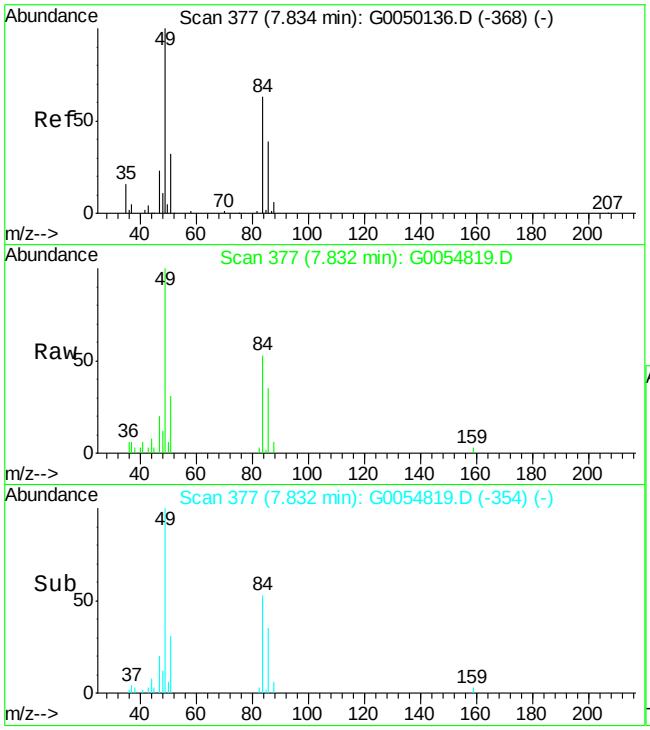
(#) = qualifier out of range (m) = manual integration (+) = signals summed
G0054819.D APP9-GR.M Fri Dec 12 15:02:55 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121208\G0054819.D Vial: 11
Acq On : 12 Dec 2008 2:18 pm Operator: MikeM
Sample : f61975-5 Inst : MSVOA1
Misc : ms11045,vg2071,5.58,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 15:00 2008 Quant Results File: APP9-GR.RES

Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration

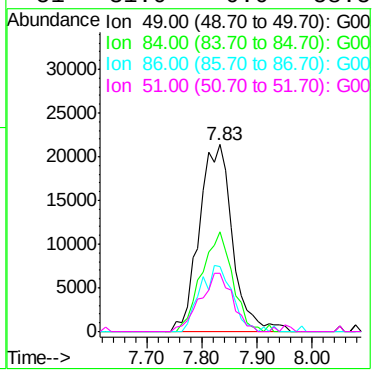




#15
Methylene Chloride
Concen: 7.84 ug/Kg
RT: 7.83 min Scan# 377
Delta R.T. -0.02 min
Lab File: G0054819.D
Acq: 12 Dec 2008 2:18 pm

Tgt Ion: 49 Resp: 89312

Ion	Ratio	Lower	Upper
49	100		
84	53.1	26.5	86.5
86	35.0	6.7	66.7
51	31.0	0.0	58.5



Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121208\G0054820.D Vial: 12
Acq On : 12 Dec 2008 2:43 pm Operator: MikeM
Sample : f61975-6 Inst : MSVOA1
Misc : ms11045,vg2071,5.53,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 15:29:11 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

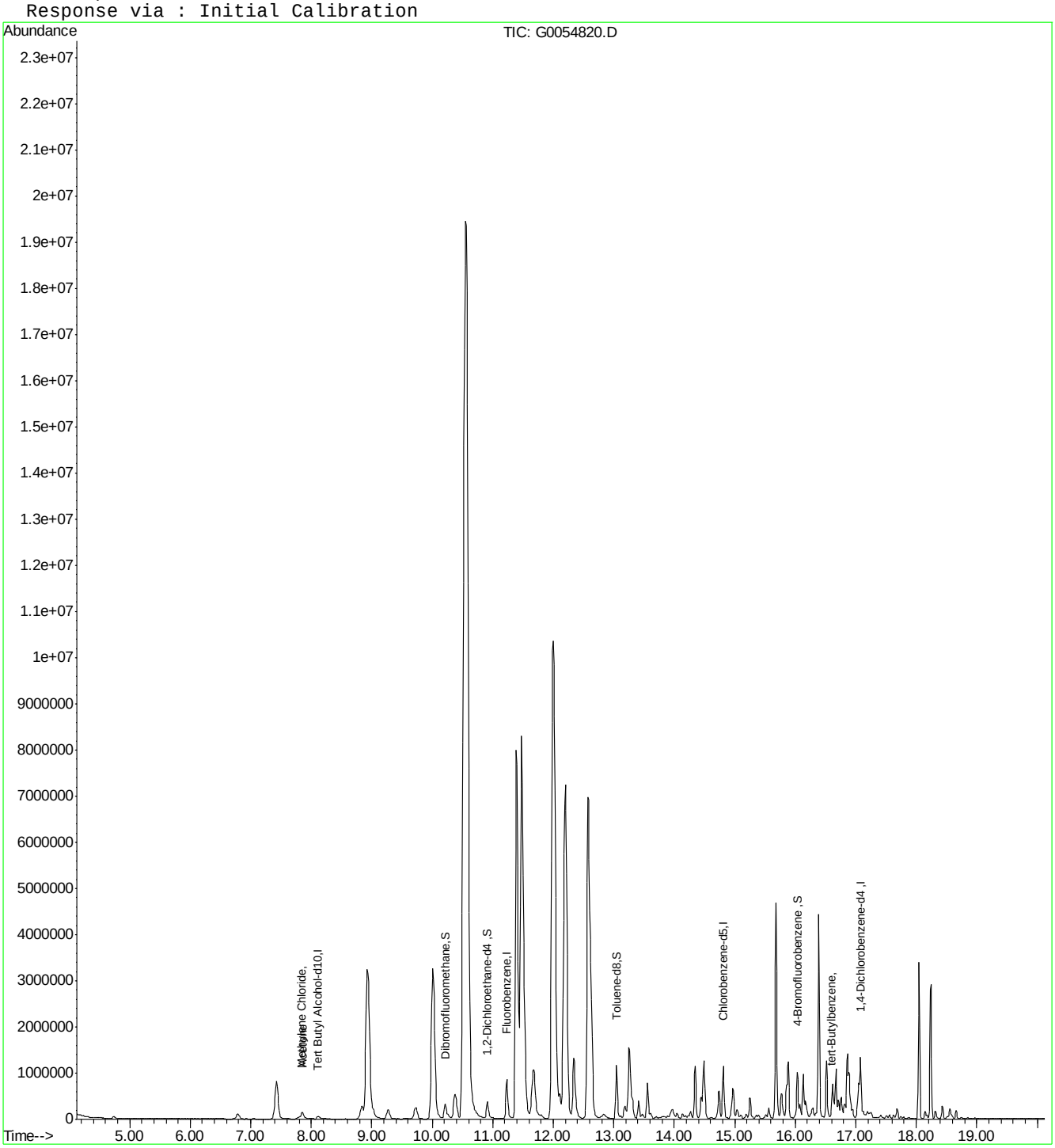
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	11.23	96	788180	50.00	ug/Kg	-0.02
54) Chlorobenzene-d5	14.81	117	579806	50.00	ug/Kg	0.00
76) 1,4-Dichlorobenzene-d4	17.08	152	295238	50.00	ug/Kg	0.00
103) Tert Butyl Alcohol-d10	8.12	65	110921	250.00	ug/Kg	0.00
System Monitoring Compounds						
35) Dibromofluoromethane	10.21	113	236659	47.12	ug/Kg	-0.02
Spiked Amount 50.000	Range 80 - 121		Recovery = 94.24%			
44) 1,2-Dichloroethane-d4	10.91	65	329177	50.10	ug/Kg	-0.02
Spiked Amount 50.000	Range 77 - 123		Recovery = 100.20%			
55) Toluene-d8	13.05	98	791288	47.80	ug/Kg	-0.02
Spiked Amount 50.000	Range 71 - 130		Recovery = 95.60%			
77) 4-Bromofluorobenzene	16.04	174	239031	46.35	ug/Kg	0.00
Spiked Amount 50.000	Range 59 - 148		Recovery = 92.70%			
Target Compounds						Qvalue
15) Methylene Chloride	7.83	49	68089	6.29	ug/Kg	90
16) Acetone	7.86	43	278603	68.78	ug/Kg	98
88) tert-Butylbenzene	16.59	91	22502	1.84	ug/Kg#	63

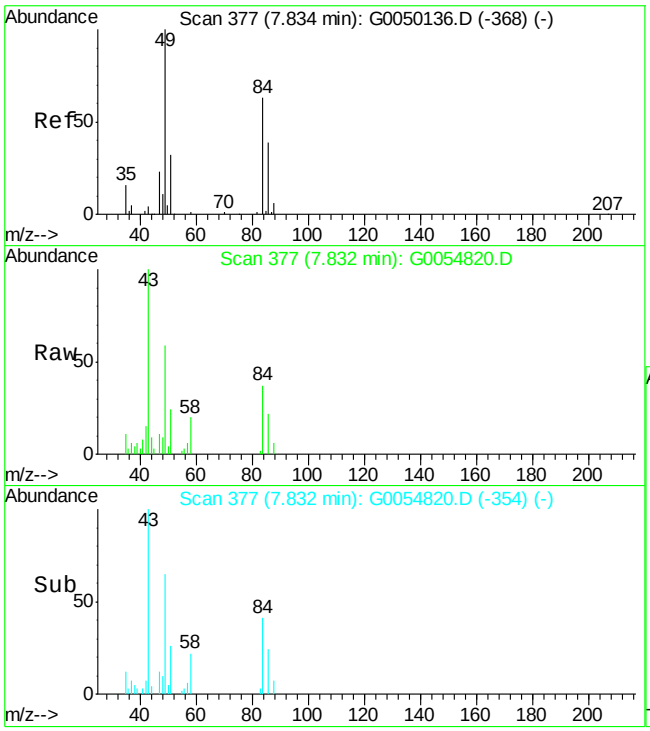
(#) = qualifier out of range (m) = manual integration (+) = signals summed
G0054820.D APP9-GR.M Fri Dec 12 15:41:38 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121208\G0054820.D Vial: 12
Acq On : 12 Dec 2008 2:43 pm Operator: MikeM
Sample : f61975-6 Inst : MSVOA1
Misc : ms11045,vg2071,5.53,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 15:34 2008 Quant Results File: APP9-GR.RES

Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration

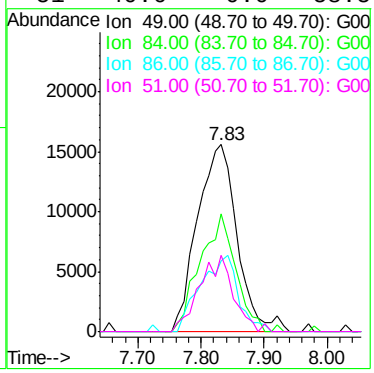


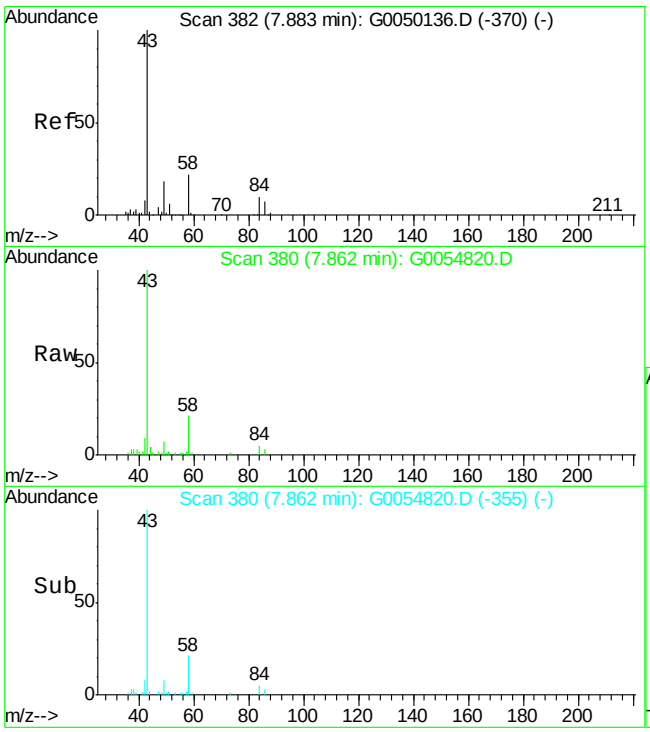


#15
Methylene Chloride
Concen: 6.29 ug/Kg
RT: 7.83 min Scan# 377
Delta R.T. -0.02 min
Lab File: G0054820.D
Acq: 12 Dec 2008 2:43 pm

Tgt Ion: 49 Resp: 68089

Ion	Ratio	Lower	Upper
49	100		
84	63.0	26.5	86.5
86	37.8	6.7	66.7
51	40.6	0.0	58.5

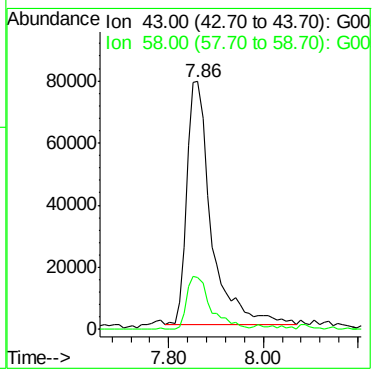


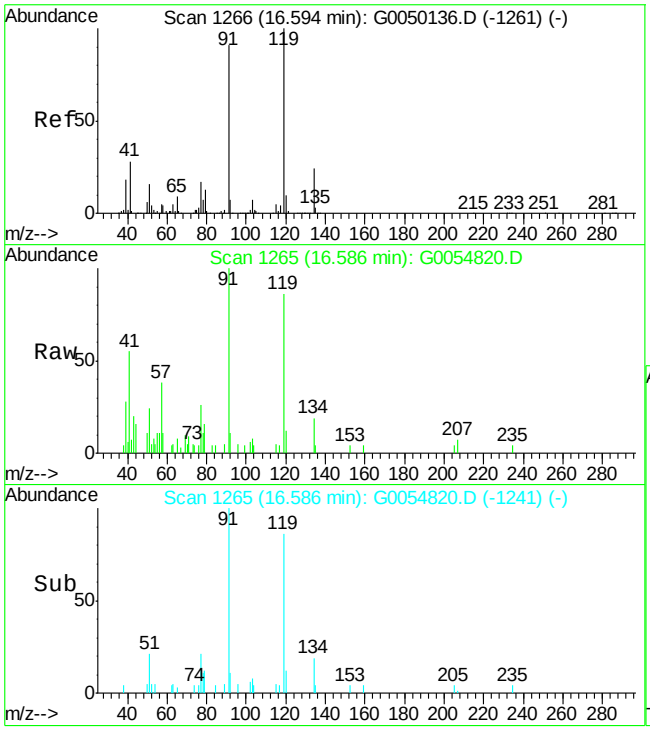


#16
Acetone
Concen: 68.78 ug/Kg
RT: 7.86 min Scan# 380
Delta R.T. -0.01 min
Lab File: G0054820.D
Acq: 12 Dec 2008 2:43 pm

Tgt Ion: 43 Resp: 278603

Ion	Ratio	Lower	Upper
43	100		
58	20.9	0.0	52.0

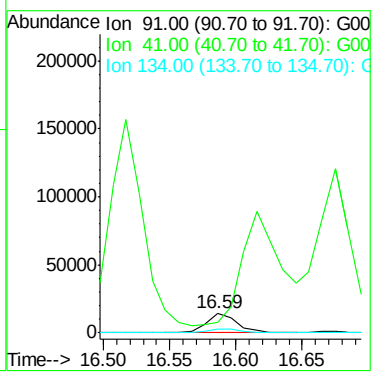




#88
tert-Butylbenzene
Concen: 1.84 ug/Kg
RT: 16.59 min Scan# 1265
Delta R.T. -0.01 min
Lab File: G0054820.D
Acq: 12 Dec 2008 2:43 pm

Tgt Ion: 91 Resp: 22502

Ion	Ratio	Lower	Upper
91	100		
41	0.0	2.2	62.2#
134	19.3	0.0	53.0



Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121208\G0054821.D Vial: 13
Acq On : 12 Dec 2008 3:09 pm Operator: MikeM
Sample : f61975-7 Inst : MSVOA1
Misc : ms11045,vg2071,5.64,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 15:40:40 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

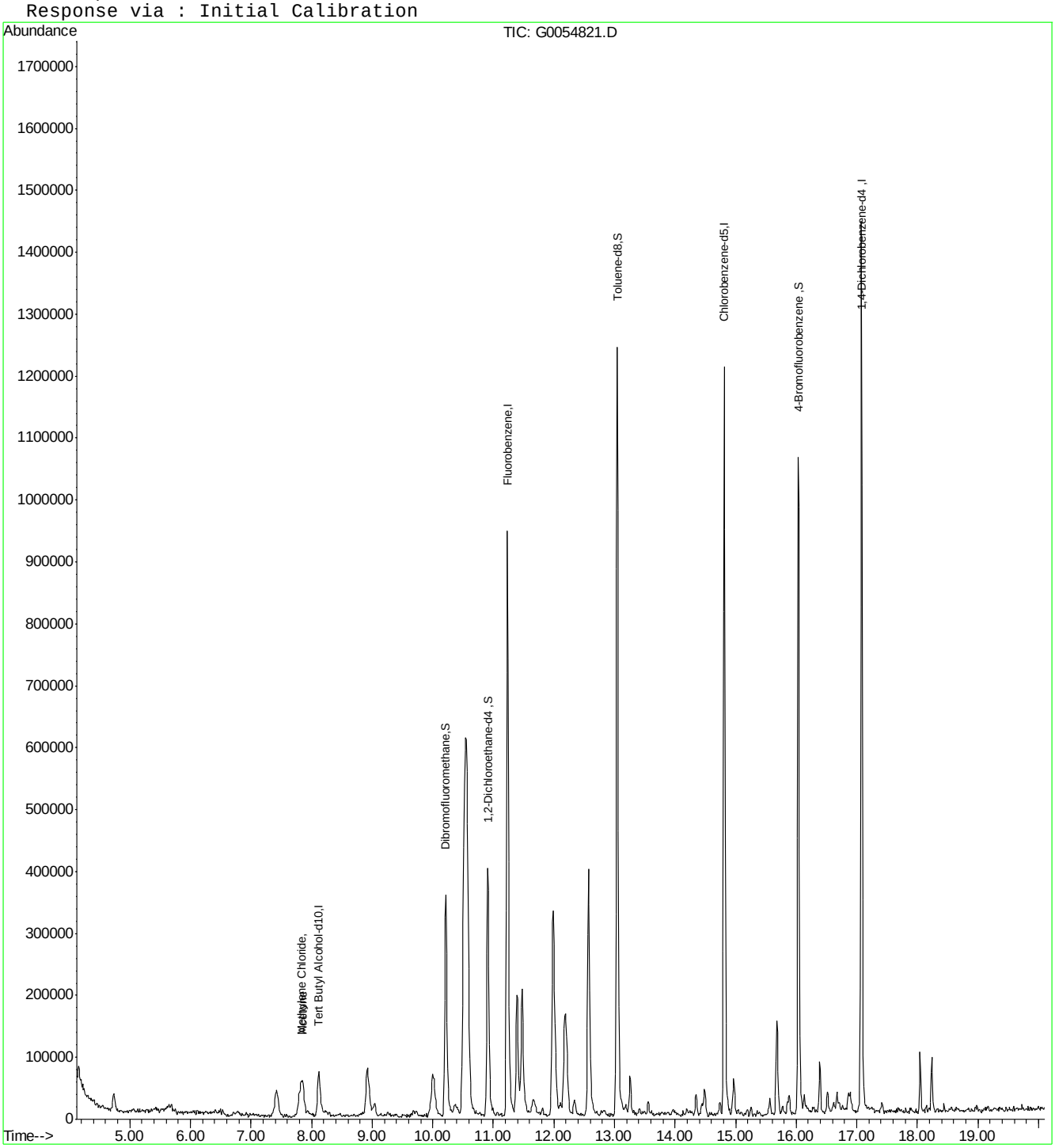
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	11.23	96	856375	50.00	ug/Kg	-0.02
54) Chlorobenzene-d5	14.81	117	633595	50.00	ug/Kg	-0.01
76) 1,4-Dichlorobenzene-d4	17.08	152	324143	50.00	ug/Kg	-0.01
103) Tert Butyl Alcohol-d10	8.12	65	126238	250.00	ug/Kg	-0.01
System Monitoring Compounds						
35) Dibromofluoromethane	10.22	113	266881	48.91	ug/Kg	-0.01
Spiked Amount 50.000	Range 80 - 121		Recovery = 97.82%			
44) 1,2-Dichloroethane-d4	10.91	65	363988	50.98	ug/Kg	-0.02
Spiked Amount 50.000	Range 77 - 123		Recovery = 101.96%			
55) Toluene-d8	13.05	98	865976	47.87	ug/Kg	-0.02
Spiked Amount 50.000	Range 71 - 130		Recovery = 95.74%			
77) 4-Bromofluorobenzene	16.04	174	266310	47.04	ug/Kg	-0.01
Spiked Amount 50.000	Range 59 - 148		Recovery = 94.08%			
Target Compounds						Qvalue
15) Methylene Chloride	7.82	49	65215	5.54	ug/Kg	90
16) Acetone	7.86	43	86745	19.42	ug/Kg	98

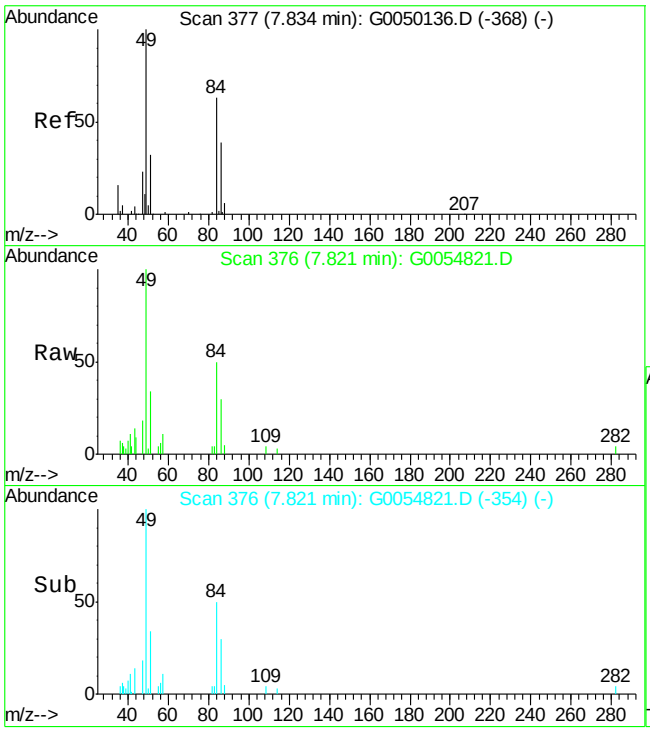
(#) = qualifier out of range (m) = manual integration (+) = signals summed
G0054821.D APP9-GR.M Fri Dec 12 15:41:46 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121208\G0054821.D Vial: 13
Acq On : 12 Dec 2008 3:09 pm Operator: MikeM
Sample : f61975-7 Inst : MSVOA1
Misc : ms11045,vg2071,5.64,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 15:40 2008 Quant Results File: APP9-GR.RES

Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration

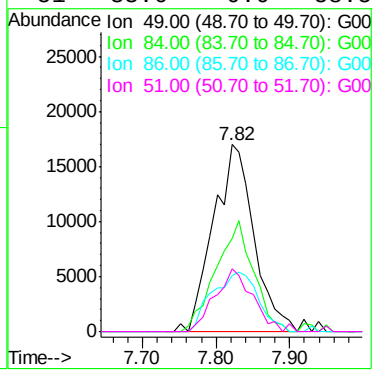


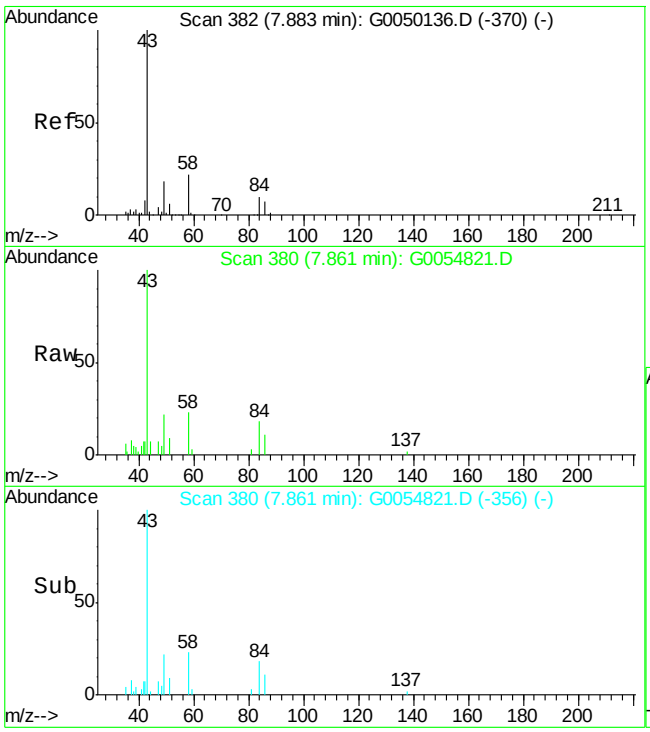


#15
Methylene Chloride
Concen: 5.54 ug/Kg
RT: 7.82 min Scan# 376
Delta R.T. -0.03 min
Lab File: G0054821.D
Acq: 12 Dec 2008 3:09 pm

Tgt Ion: 49 Resp: 65215

Ion	Ratio	Lower	Upper
49	100		
84	49.7	26.5	86.5
86	30.1	6.7	66.7
51	33.6	0.0	58.5

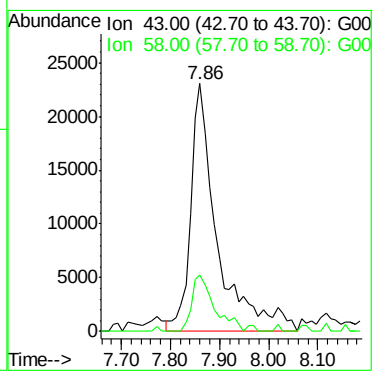




#16
Acetone
Concen: 19.42 ug/Kg
RT: 7.86 min Scan# 380
Delta R.T. -0.01 min
Lab File: G0054821.D
Acq: 12 Dec 2008 3:09 pm

Tgt Ion: 43 Resp: 86745

Ion	Ratio	Lower	Upper
43	100		
58	22.9	0.0	52.0



Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121208\G0054822.D Vial: 14
Acq On : 12 Dec 2008 3:34 pm Operator: MikeM
Sample : f61975-8 Inst : MSVOA1
Misc : ms11045,vg2071,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 16:00:52 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

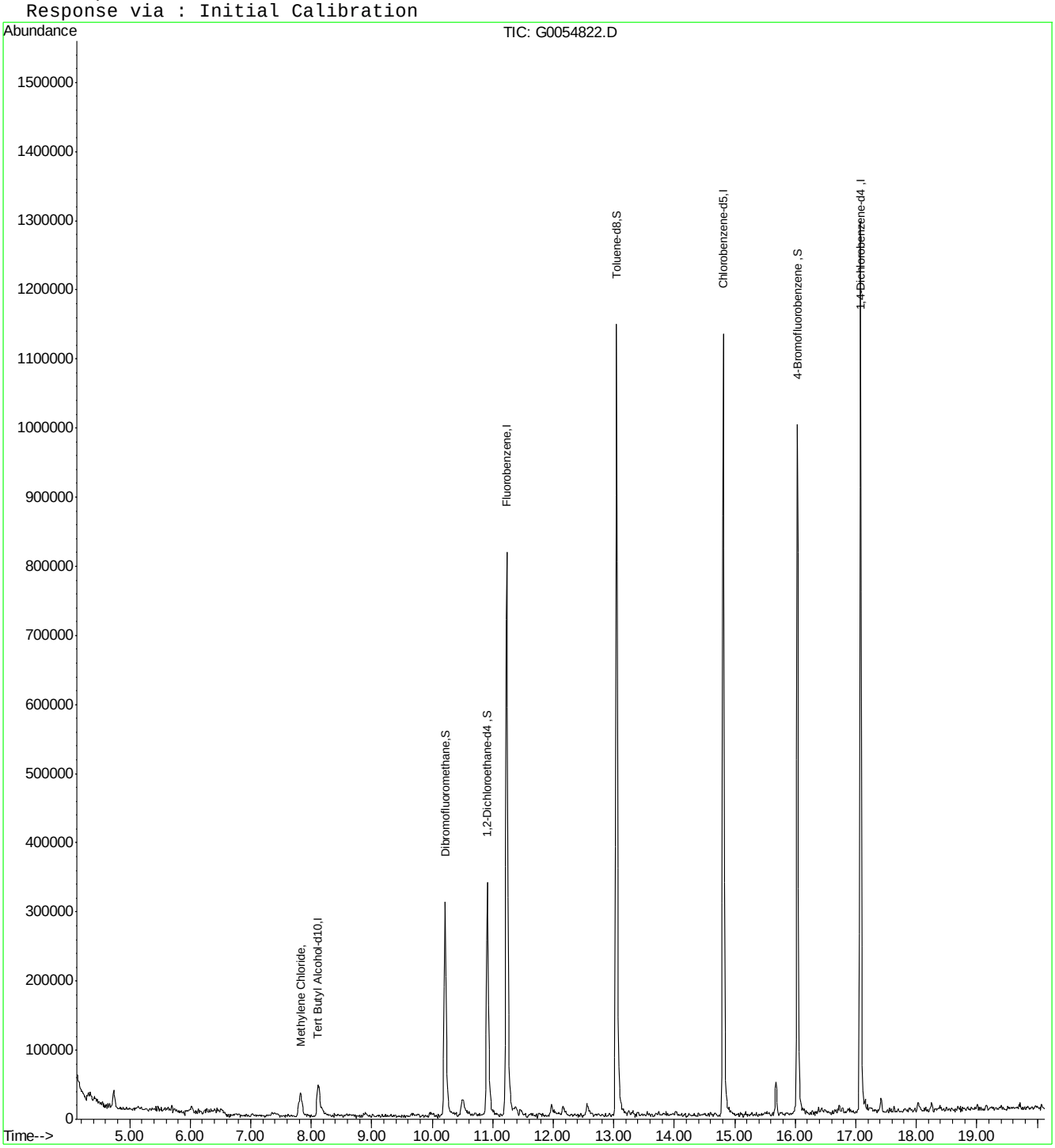
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	11.23	96	764584	50.00	ug/Kg	-0.02
54) Chlorobenzene-d5	14.81	117	615231	50.00	ug/Kg	0.00
76) 1,4-Dichlorobenzene-d4	17.08	152	292193	50.00	ug/Kg	0.00
103) Tert Butyl Alcohol-d10	8.12	65	93289	250.00	ug/Kg	0.00
System Monitoring Compounds						
35) Dibromofluoromethane	10.22	113	234324	48.10	ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 121		Recovery = 96.20%			
44) 1,2-Dichloroethane-d4	10.91	65	310687	48.74	ug/Kg	-0.02
Spiked Amount 50.000	Range 77 - 123		Recovery = 97.48%			
55) Toluene-d8	13.05	98	785733	44.73	ug/Kg	-0.02
Spiked Amount 50.000	Range 71 - 130		Recovery = 89.46%			
77) 4-Bromofluorobenzene	16.04	174	244211	47.85	ug/Kg	0.00
Spiked Amount 50.000	Range 59 - 148		Recovery = 95.70%			
Target Compounds						Qvalue
15) Methylene Chloride	7.82	49	41566	3.96	ug/Kg	92

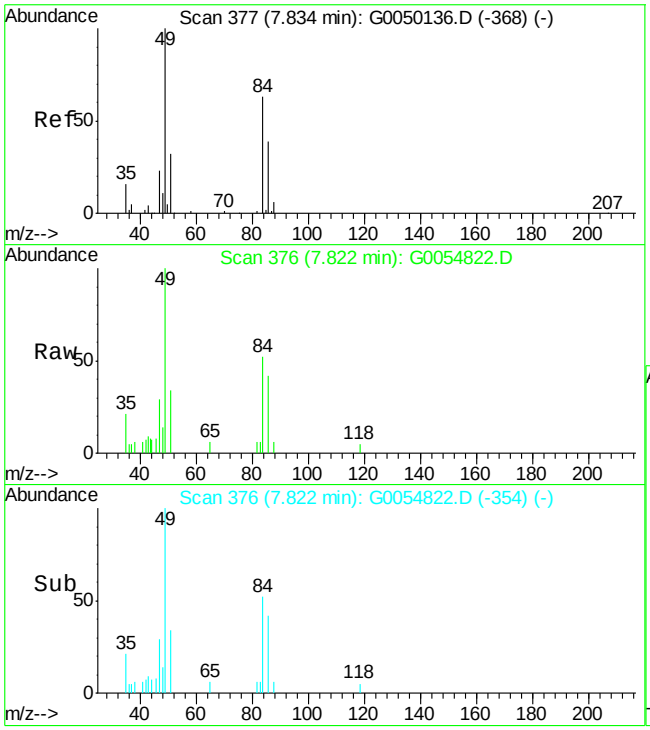
(#) = qualifier out of range (m) = manual integration (+) = signals summed
G0054822.D APP9-GR.M Sat Dec 13 10:58:08 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121208\G0054822.D Vial: 14
Acq On : 12 Dec 2008 3:34 pm Operator: MikeM
Sample : f61975-8 Inst : MSVOA1
Misc : ms11045,vg2071,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 16:01 2008 Quant Results File: APP9-GR.RES

Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration

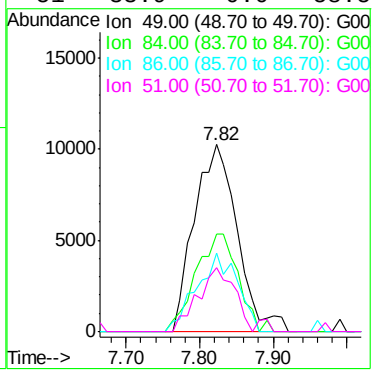




#15
Methylene Chloride
Concen: 3.96 ug/Kg
RT: 7.82 min Scan# 376
Delta R.T. -0.03 min
Lab File: G0054822.D
Acq: 12 Dec 2008 3:34 pm

Tgt Ion: 49 Resp: 41566

Ion	Ratio	Lower	Upper
49	100		
84	52.4	26.5	86.5
86	42.1	6.7	66.7
51	33.9	0.0	58.5



Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054786.D Vial: 9
Acq On : 11 Dec 2008 3:09 pm Operator: MikeM
Sample : mb Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:31:16 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

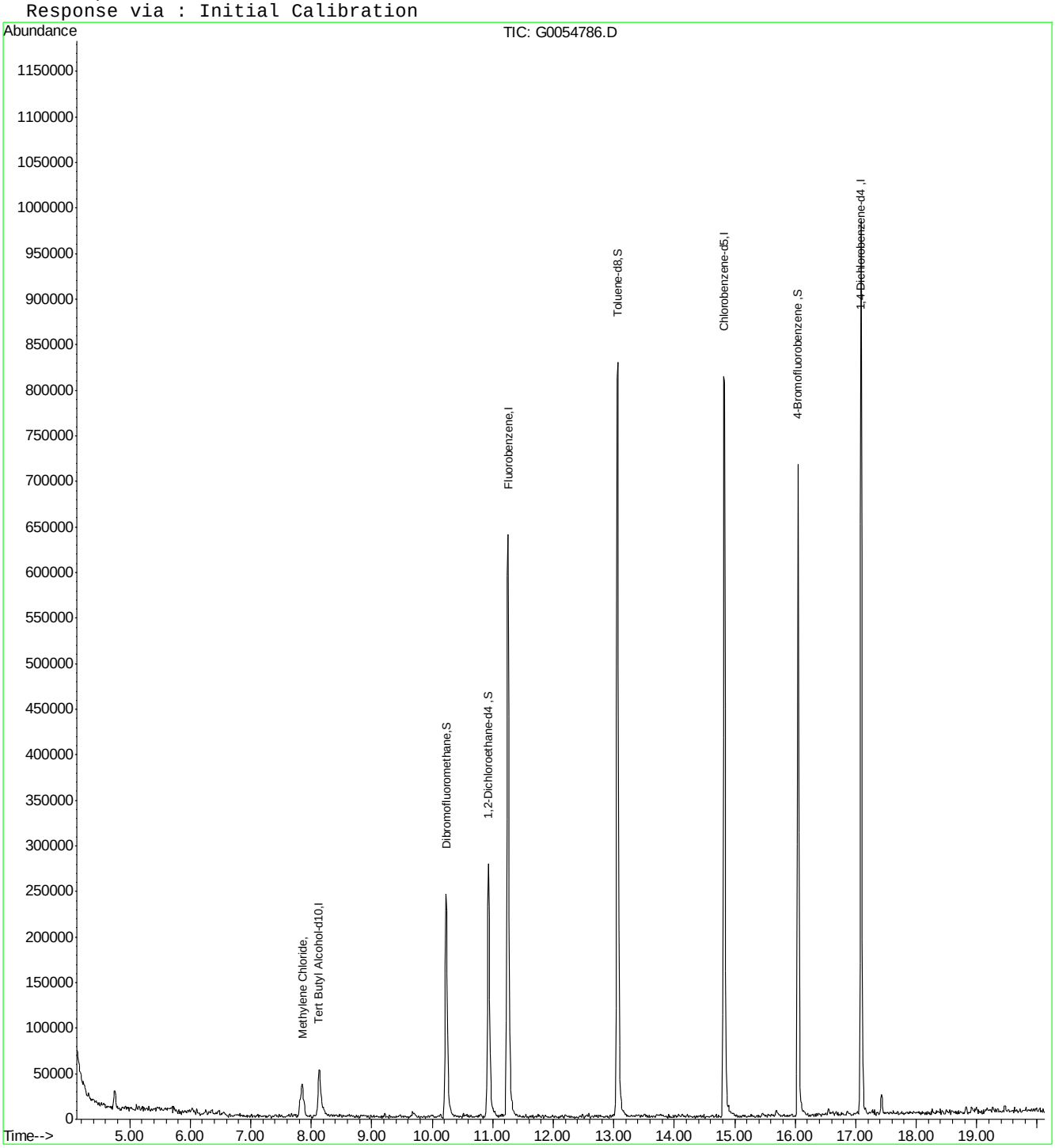
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	11.25	96	595239	50.00	ug/Kg	0.00
54) Chlorobenzene-d5	14.83	117	458281	50.00	ug/Kg	0.01
76) 1,4-Dichlorobenzene-d4	17.09	152	225303	50.00	ug/Kg	0.00
103) Tert Butyl Alcohol-d10	8.13	65	88356	250.00	ug/Kg	0.00
System Monitoring Compounds						
35) Dibromofluoromethane	10.23	113	184876	48.75	ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 121		Recovery = 97.50%			
44) 1,2-Dichloroethane-d4	10.93	65	250722	50.53	ug/Kg	0.00
Spiked Amount 50.000	Range 77 - 123		Recovery = 101.06%			
55) Toluene-d8	13.07	98	619966	47.39	ug/Kg	0.00
Spiked Amount 50.000	Range 71 - 130		Recovery = 94.78%			
77) 4-Bromofluorobenzene	16.05	174	196655	49.97	ug/Kg	0.00
Spiked Amount 50.000	Range 59 - 148		Recovery = 99.94%			
Target Compounds						Qvalue
15) Methylene Chloride	7.85	49	46632	5.70	ug/Kg	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed
G0054786.D APP9-GR.M Thu Dec 11 15:31:38 2008 Page 1

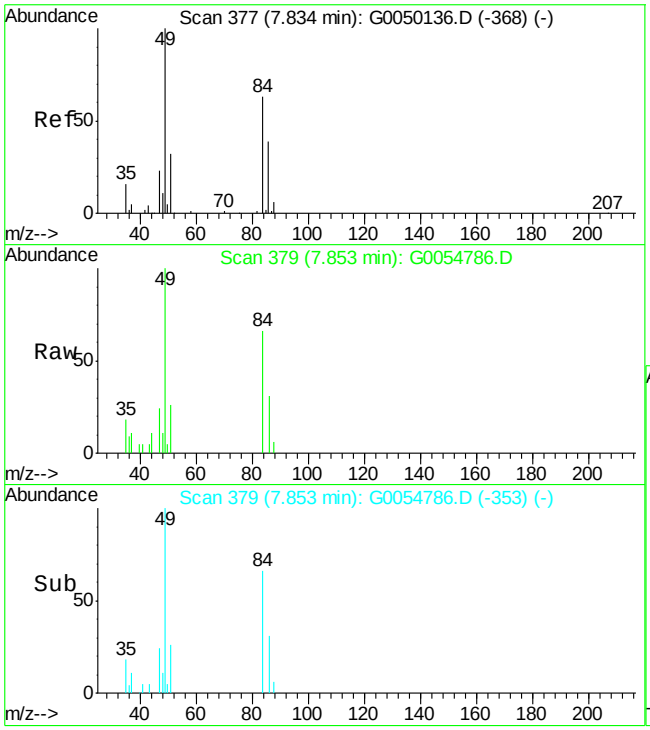
Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054786.D Vial: 9
Acq On : 11 Dec 2008 3:09 pm Operator: MikeM
Sample : mb Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:30 2008 Quant Results File: APP9-GR.RES

Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration



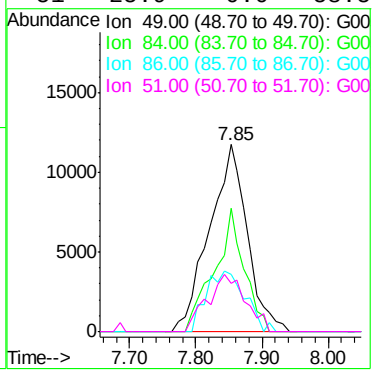
ACCUTEST Laboratories F61975



#15
Methylene Chloride
Concen: 5.70 ug/Kg
RT: 7.85 min Scan# 379
Delta R.T. 0.00 min
Lab File: G0054786.D
Acq: 11 Dec 2008 3:09 pm

Tgt Ion: 49 Resp: 46632

Ion	Ratio	Lower	Upper
49	100		
84	65.7	26.5	86.5
86	30.8	6.7	66.7
51	25.9	0.0	58.5



Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121208\G0054811.D Vial: 3
Acq On : 12 Dec 2008 10:54 am Operator: MikeM
Sample : mb Inst : MSVOA1
Misc : ms11045,vg2071,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 12:44:16 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

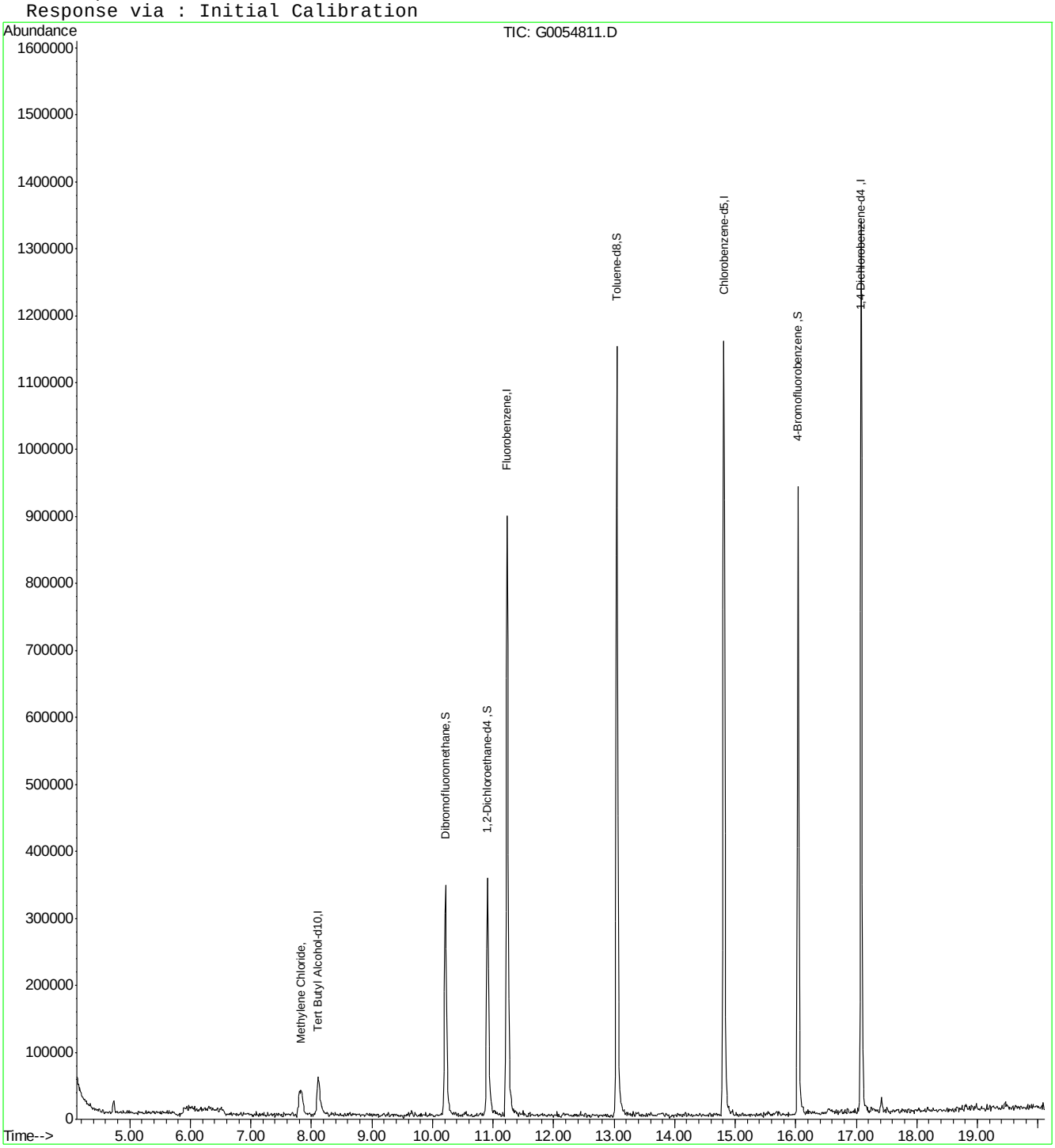
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	11.23	96	799952	50.00	ug/Kg	-0.02
54) Chlorobenzene-d5	14.81	117	614882	50.00	ug/Kg	0.00
76) 1,4-Dichlorobenzene-d4	17.08	152	308434	50.00	ug/Kg	0.00
103) Tert Butyl Alcohol-d10	8.11	65	98888	250.00	ug/Kg	-0.02
System Monitoring Compounds						
35) Dibromofluoromethane	10.22	113	255115	50.05	ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 121		Recovery = 100.10%			
44) 1,2-Dichloroethane-d4	10.91	65	335099	50.25	ug/Kg	-0.02
Spiked Amount 50.000	Range 77 - 123		Recovery = 100.50%			
55) Toluene-d8	13.05	98	799168	45.53	ug/Kg	-0.02
Spiked Amount 50.000	Range 71 - 130		Recovery = 91.06%			
77) 4-Bromofluorobenzene	16.04	174	247736	45.99	ug/Kg	0.00
Spiked Amount 50.000	Range 59 - 148		Recovery = 91.98%			
Target Compounds						Qvalue
15) Methylene Chloride	7.82	49	53242	4.85	ug/Kg	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed
G0054811.D APP9-GR.M Fri Dec 12 12:55:01 2008 Page 1

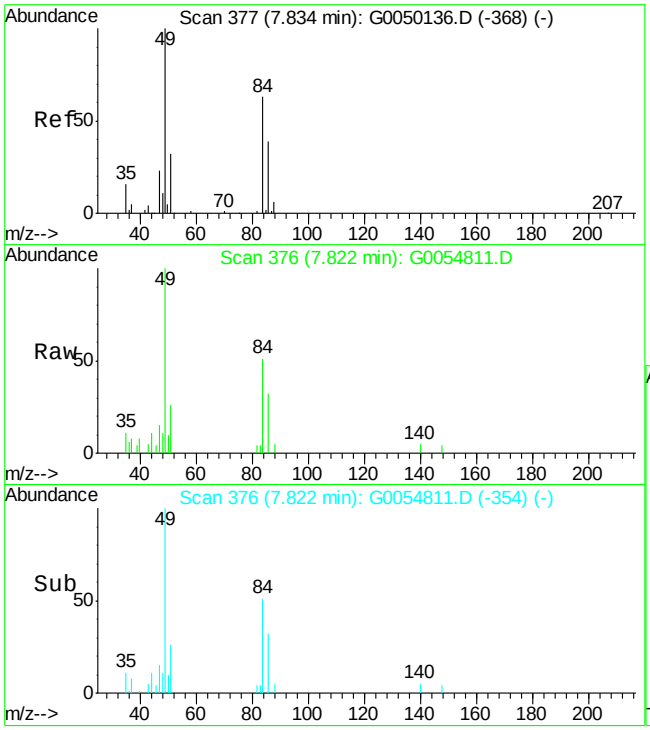
Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121208\G0054811.D Vial: 3
Acq On : 12 Dec 2008 10:54 am Operator: MikeM
Sample : mb Inst : MSVOA1
Misc : ms11045,vg2071,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 12:43 2008 Quant Results File: APP9-GR.RES

Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration



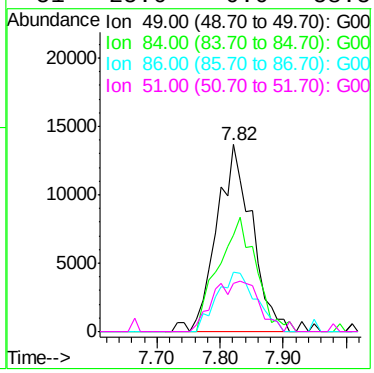
ACCUTEST Laboratories F61975



#15
Methylene Chloride
Concen: 4.85 ug/Kg
RT: 7.82 min Scan# 376
Delta R.T. -0.03 min
Lab File: G0054811.D
Acq: 12 Dec 2008 10:54 am

Tgt Ion: 49 Resp: 53242

Ion	Ratio	Lower	Upper
49	100		
84	51.4	26.5	86.5
86	31.6	6.7	66.7
51	25.6	0.0	58.5



Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054785.D Vial: 8
Acq On : 11 Dec 2008 2:44 pm Operator: MikeM
Sample : bs Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:13:14 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:10:45 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	11.25	96	604403	50.00	ug/Kg	0.00
54) Chlorobenzene-d5	14.83	117	443034	50.00	ug/Kg	0.01
76) 1,4-Dichlorobenzene-d4	17.09	152	220238	50.00	ug/Kg	0.00
103) Tert Butyl Alcohol-d10	8.14	65	56450	250.00	ug/Kg	0.01
System Monitoring Compounds						
35) Dibromofluoromethane	10.24	113	191683	49.77	ug/Kg	0.01
Spiked Amount 50.000	Range 80 - 121		Recovery = 99.54%			
44) 1,2-Dichloroethane-d4	10.93	65	228069	45.26	ug/Kg	0.00
Spiked Amount 50.000	Range 77 - 123		Recovery = 90.52%			
55) Toluene-d8	13.07	98	620824	49.08	ug/Kg	0.00
Spiked Amount 50.000	Range 71 - 130		Recovery = 98.16%			
77) 4-Bromofluorobenzene	16.05	174	189906	49.37	ug/Kg	0.00
Spiked Amount 50.000	Range 59 - 148		Recovery = 98.74%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.27	85	169728	33.89	ug/Kg	96
3) Chloromethane	4.69	50	350673	48.21	ug/Kg	96
4) Vinyl Chloride	4.90	62	226272	45.45	ug/Kg	92
5) Bromomethane	5.56	94	106980	49.42	ug/Kg	92
6) Chloroethane	5.81	64	104877	43.58	ug/Kg	95
7) Trichlorofluoromethane	6.08	101	204870	47.33	ug/Kg	92
8) Ethyl Ether	6.53	59	143032	43.27	ug/Kg	94
9) 1,2-Dichlorotrifluoroethan	6.89	67	342461	46.35	ug/Kg	95
10) 1,1-Dichloroethene	6.94	61	380396	48.74	ug/Kg	97
11) Freon 113	6.98	101	203999	48.59	ug/Kg	88
12) Carbon Disulfide	7.06	76	613393	41.61	ug/Kg	97
13) Iodomethane	7.22	142	365135	40.51	ug/Kg	100
14) Allyl chloride	7.65	41	488981	59.09	ug/Kg	91
15) Methylene Chloride	7.85	49	430661	51.88	ug/Kg	93
16) Acetone	7.87	43	392307	128.64	ug/Kg	99
17) Methyl acetate	8.02	43	834230	241.25	ug/Kg	98
18) trans-1,2-Dichloroethene	8.06	61	404507	50.88	ug/Kg	99
19) Hexane	8.14	56	234075	53.01	ug/Kg#	91
20) Methyl Tert Butyl Ether	8.17	73	498737	41.34	ug/Kg	91
21) Acetonitrile	8.58	41	116194	401.73	ug/Kg	97
22) Di-isopropyl ether	8.66	45	1051705	46.52	ug/Kg	98
23) Chloroprene	8.90	53	447120	55.35	ug/Kg	96
24) 1,1-Dichloroethane	8.94	63	493948	52.93	ug/Kg	97
25) Acrylonitrile	9.00	53	307577	206.91	ug/Kg	91
26) ETBE	9.16	59	773849	43.91	ug/Kg	100
27) Vinyl acetate	9.20	43	1435144	166.68	ug/Kg	98
28) cis-1,2-Dichloroethene	9.67	96	220934	48.96	ug/Kg	91
29) 2,2-Dichloropropane	9.82	77	165240	52.29	ug/Kg	94
30) Bromochloromethane	9.94	128	103302	41.56	ug/Kg	92
31) Cyclohexane	9.97	56	434547	51.43	ug/Kg	94
32) Chloroform	9.99	83	459420	51.92	ug/Kg	95
33) Ethyl acetate	10.07	43	1491576	375.20	ug/Kg	99
34) Tetrahydrofuran	10.23	42	60587	31.72	ug/Kg	90
36) Carbon Tetrachloride	10.23	117	311254	52.68	ug/Kg	97

(#) = qualifier out of range (m) = manual integration
G0054785.D APP9-GR.M Thu Dec 11 15:17:16 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054785.D Vial: 8
Acq On : 11 Dec 2008 2:44 pm Operator: MikeM
Sample : bs Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:13:14 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:10:45 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
37)	1,1,1-Trichloroethane	10.31	97	324103	53.11	ug/Kg	96
38)	2-Butanone	10.37	43	571324	149.31	ug/Kg	91
39)	1,1-Dichloropropene	10.45	75	337891	50.56	ug/Kg	95
40)	Propionitrile	10.78	54	213190	370.95	ug/Kg#	56
41)	Methacrylonitrile	10.80	41	1720921	401.25	ug/Kg	97
42)	Benzene	10.77	78	831613	52.05	ug/Kg	100
43)	TAME	10.82	73	571454	43.84	ug/Kg	95
45)	1,2-Dichloroethane	11.01	62	357986	45.69	ug/Kg	98
46)	Trichloroethene	11.46	95	229333	48.71	ug/Kg	95
47)	Methylcyclohexane	11.47	83	352098	55.90	ug/Kg	96
48)	Dibromomethane	11.98	93	143717	48.00	ug/Kg	98
49)	1,2-Dichloropropane	12.09	63	265511	49.80	ug/Kg	97
50)	Bromodichloromethane	12.13	83	315019	47.92	ug/Kg	98
51)	Methyl methacrylate	12.22	41	249271	44.89	ug/Kg	94
52)	2-Chloroethyl vinyl ether	12.71	63	609658	304.01	ug/Kg	92
53)	cis-1,3-Dichloropropene	12.85	75	368537	50.68	ug/Kg	97
56)	Toluene	13.13	91	842089	51.59	ug/Kg	99
57)	2-Nitropropane	13.40	41	278734	192.07	ug/Kg	97
58)	4-Methyl-2-pentanone	13.49	43	1190436	190.78	ug/Kg	97
59)	trans-1,3-Dichloropropene	13.57	75	314007	49.81	ug/Kg	97
60)	Tetrachloroethene	13.59	166	221153	52.45	ug/Kg	98
61)	Ethyl methacrylate	13.66	69	223559	39.44	ug/Kg	99
62)	1,1,2-Trichloroethane	13.77	83	150804	44.50	ug/Kg	94
63)	Dibromochloromethane	13.99	129	207483	47.40	ug/Kg	98
64)	1,3-Dichloropropane	14.09	76	304896	44.26	ug/Kg	97
65)	1,2-Dibromoethane	14.31	107	165162	42.91	ug/Kg	98
66)	2-hexanone	14.42	43	916264	179.68	ug/Kg	99
67)	1-Chlorohexane	14.73	91	318252	55.48	ug/Kg	92
68)	Ethylbenzene	14.82	91	922962	52.59	ug/Kg	97
69)	Chlorobenzene	14.85	112	499523	51.51	ug/Kg	97
70)	1,1,1,2-Tetrachloroethane	14.89	131	193743	52.62	ug/Kg	94
71)	m,p-Xylene	14.97	91	1517290	107.00	ug/Kg	99
72)	o-Xylene	15.43	91	793096	52.87	ug/Kg	99
73)	Styrene	15.48	104	522666	51.34	ug/Kg	95
74)	Bromoform	15.57	173	120846	41.74	ug/Kg	93
75)	Isopropylbenzene	15.73	105	772963	55.14	ug/Kg	99
78)	cis-1,4-Dichloro-2-butene	16.07	53	83639	41.74	ug/Kg	89
79)	n-Propylbenzene	16.12	91	1138888	55.28	ug/Kg	96
80)	Bromobenzene	16.18	156	207601	52.25	ug/Kg	97
81)	1,1,2,2-Tetrachloroethane	16.19	83	204819	44.66	ug/Kg	99
82)	1,3,5-Trimethylbenzene	16.28	105	719733	54.72	ug/Kg	99
83)	2-Chlorotoluene	16.32	91	773667	53.72	ug/Kg	99
84)	trans-1,4-Dichloro-2-Buten	16.36	53	71192	88.00	ug/Kg	96
85)	1,2,3-Trichloropropane	16.36	110	42719	38.91	ug/Kg	92
86)	Cyclohexanone	16.45	55	33652	241.33	ug/Kg	87
87)	4-Chlorotoluene	16.47	91	711653	54.27	ug/Kg	97
88)	tert-Butylbenzene	16.60	91	504880	55.30	ug/Kg	95
89)	1,2,4-Trimethylbenzene	16.65	105	726328	55.18	ug/Kg	98
90)	Pentachloroethane	16.67	167	121934	52.02	ug/Kg	89

(#) = qualifier out of range (m) = manual integration
G0054785.D APP9-GR.M Thu Dec 11 15:17:17 2008 Page 2

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054785.D Vial: 8
Acq On : 11 Dec 2008 2:44 pm Operator: MikeM
Sample : bs Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:13:14 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:10:45 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

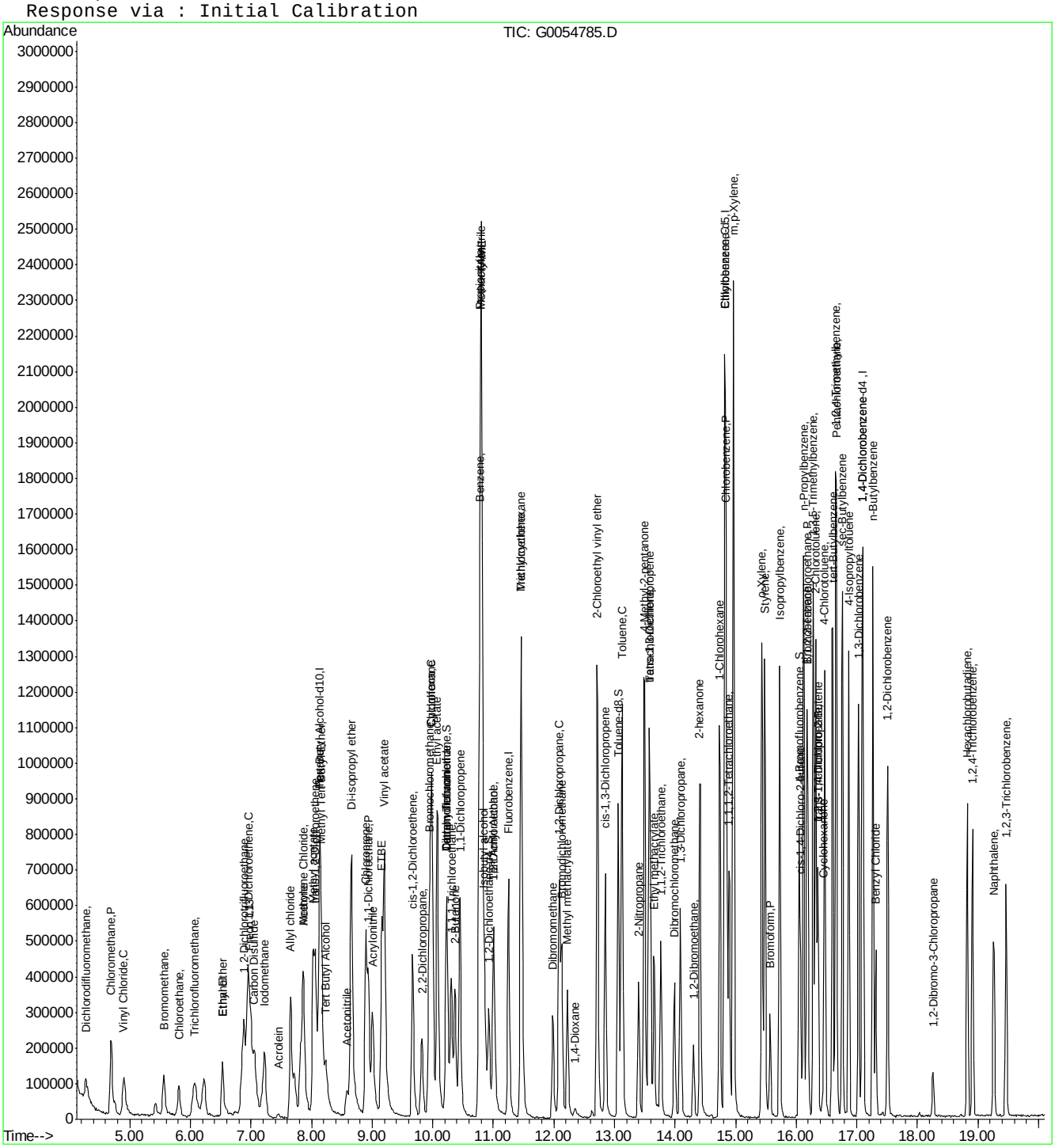
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	sec-Butylbenzene	16.76	105	925666	56.01	ug/Kg	98
92)	4-Isopropyltoluene	16.87	119	693090	56.22	ug/Kg	97
93)	1,3-Dichlorobenzene	17.03	146	385633	54.22	ug/Kg	98
94)	1,4-Dichlorobenzene	17.11	146	373556	52.30	ug/Kg	92
95)	n-Butylbenzene	17.27	92	453159	56.94	ug/Kg	95
96)	Benzyl Chloride	17.31	126	48006	37.59	ug/Kg#	84
97)	1,2-Dichlorobenzene	17.51	146	348558	52.31	ug/Kg	95
98)	1,2-Dibromo-3-Chloropropan	18.26	75	29860	40.46	ug/Kg	86
99)	Hexachlorobutadiene	18.82	225	185071	58.42	ug/Kg	92
100)	1,2,4-Trichlorobenzene	18.91	180	233435	51.88	ug/Kg	91
101)	Naphthalene	19.27	128	385021	46.93	ug/Kg	98
102)	1,2,3-Trichlorobenzene	19.46	180	198028	50.46	ug/Kg	92
104)	Ethanol	6.53	45	136102	1035.29	ug/Kg	98
105)	Acrolein	7.45	56	12513	37.46	ug/Kg	81
106)	Tert Butyl Alcohol	8.24	59	164214	519.94	ug/Kg	67
107)	Isobutyl alcohol	10.86	42	118052	1156.22	ug/Kg	97
108)	Tert Amyl Alcohol	11.01	59	151975	558.30	ug/Kg	89
109)	1,4-Dioxane	12.35	88	24317	1107.04	ug/Kg	82

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054785.D Vial: 8
Acq On : 11 Dec 2008 2:44 pm Operator: MikeM
Sample : bs Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:12 2008 Quant Results File: APP9-GR.RES

Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:10:45 2008
Response via : Initial Calibration



ACCUTEST Laboratories F61975

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121208\G0054810.D Vial: 2
Acq On : 12 Dec 2008 10:29 am Operator: MikeM
Sample : bs Inst : MSVOA1
Misc : ms11045,vg2071,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 12:44:15 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	11.23	96	613475	50.00	ug/Kg	-0.02
54) Chlorobenzene-d5	14.81	117	438831	50.00	ug/Kg	0.00
76) 1,4-Dichlorobenzene-d4	17.08	152	221947	50.00	ug/Kg	0.00
103) Tert Butyl Alcohol-d10	8.12	65	51751	250.00	ug/Kg	0.00
System Monitoring Compounds						
35) Dibromofluoromethane	10.22	113	187172	47.88	ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 121		Recovery = 95.76%			
44) 1,2-Dichloroethane-d4	10.91	65	221802	43.37	ug/Kg	-0.02
Spiked Amount 50.000	Range 77 - 123		Recovery = 86.74%			
55) Toluene-d8	13.05	98	605277	48.31	ug/Kg	-0.02
Spiked Amount 50.000	Range 71 - 130		Recovery = 96.62%			
77) 4-Bromofluorobenzene	16.04	174	191678	49.45	ug/Kg	0.00
Spiked Amount 50.000	Range 59 - 148		Recovery = 98.90%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.26	85	177288	34.88	ug/Kg	93
3) Chloromethane	4.68	50	358664	48.58	ug/Kg	96
4) Vinyl Chloride	4.87	62	219481	43.43	ug/Kg	98
5) Bromomethane	5.54	94	111515	50.76	ug/Kg	98
6) Chloroethane	5.78	64	119485	48.92	ug/Kg	98
7) Trichlorofluoromethane	6.06	101	215553	49.06	ug/Kg	99
8) Ethyl Ether	6.51	59	148052	44.13	ug/Kg	89
9) 1,2-Dichlorotrifluoroethan	6.86	67	335855	44.79	ug/Kg	98
10) 1,1-Dichloroethene	6.92	61	384779	48.58	ug/Kg	98
11) Freon 113	6.96	101	206650	48.49	ug/Kg	91
12) Carbon Disulfide	7.03	76	667712	44.63	ug/Kg	99
13) Iodomethane	7.20	142	390436	42.68	ug/Kg	94
14) Allyl chloride	7.63	41	508230	60.51	ug/Kg	97
15) Methylene Chloride	7.83	49	438143	52.00	ug/Kg	97
16) Acetone	7.86	43	433043	140.41	ug/Kg	98
17) Methyl acetate	8.01	43	777624	221.55	ug/Kg	98
18) trans-1,2-Dichloroethene	8.04	61	407255	50.47	ug/Kg	97
19) Hexane	8.12	56	246041	54.89	ug/Kg	97
20) Methyl Tert Butyl Ether	8.15	73	543323	44.37	ug/Kg	91
21) Acetonitrile	8.56	41	153637	523.33	ug/Kg	94
22) Di-isopropyl ether	8.64	45	1113855	48.54	ug/Kg	98
23) Chloroprene	8.88	53	438776	53.51	ug/Kg	97
24) 1,1-Dichloroethane	8.93	63	520710	54.97	ug/Kg	95
25) Acrylonitrile	8.99	53	302321	200.37	ug/Kg	92
26) ETBE	9.14	59	811041	45.34	ug/Kg	97
27) Vinyl acetate	9.18	43	1618237	185.17	ug/Kg	99
28) cis-1,2-Dichloroethene	9.66	96	235339	51.38	ug/Kg	97
29) 2,2-Dichloropropane	9.80	77	172699	53.84	ug/Kg	93
30) Bromochloromethane	9.93	128	108557	43.03	ug/Kg	90
31) Cyclohexane	9.95	56	421584	49.16	ug/Kg	95
32) Chloroform	9.98	83	473396	52.71	ug/Kg	97
33) Ethyl acetate	10.06	43	1426907	353.63	ug/Kg	97
34) Tetrahydrofuran	10.21	42	67624	34.89	ug/Kg	92
36) Carbon Tetrachloride	10.21	117	281738	46.98	ug/Kg	95

(#) = qualifier out of range (m) = manual integration
G0054810.D APP9-GR.M Fri Dec 12 12:54:43 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121208\G0054810.D Vial: 2
Acq On : 12 Dec 2008 10:29 am Operator: MikeM
Sample : bs Inst : MSVOA1
Misc : ms11045,vg2071,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 12:44:15 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
37)	1,1,1-Trichloroethane	10.30	97	327502	52.88	ug/Kg	94
38)	2-Butanone	10.36	43	576617	148.42	ug/Kg	93
39)	1,1-Dichloropropene	10.43	75	326855	48.18	ug/Kg	97
40)	Propionitrile	10.76	54	207500	354.75	ug/Kg#	60
41)	Methacrylonitrile	10.78	41	1658412	379.59	ug/Kg	98
42)	Benzene	10.75	78	859145	52.98	ug/Kg	97
43)	TAME	10.81	73	578812	43.75	ug/Kg	97
45)	1,2-Dichloroethane	11.00	62	352568	44.34	ug/Kg	98
46)	Trichloroethene	11.44	95	245645	51.40	ug/Kg	96
47)	Methylcyclohexane	11.45	83	341383	53.40	ug/Kg	96
48)	Dibromomethane	11.97	93	136484	44.91	ug/Kg	93
49)	1,2-Dichloropropane	12.08	63	267810	49.48	ug/Kg	96
50)	Bromodichloromethane	12.11	83	318861	47.79	ug/Kg	96
51)	Methyl methacrylate	12.21	41	225385	39.98	ug/Kg	96
52)	2-Chloroethyl vinyl ether	12.70	63	564145	277.16	ug/Kg	89
53)	cis-1,3-Dichloropropene	12.84	75	374457	50.74	ug/Kg	94
56)	Toluene	13.12	91	867635	53.67	ug/Kg	99
57)	2-Nitropropane	13.38	41	280060	194.83	ug/Kg	91
58)	4-Methyl-2-pentanone	13.48	43	1179039	190.77	ug/Kg	97
59)	trans-1,3-Dichloropropene	13.56	75	314513	50.37	ug/Kg	96
60)	Tetrachloroethene	13.58	166	224803	53.82	ug/Kg	94
61)	Ethyl methacrylate	13.64	69	230909	41.12	ug/Kg	100
62)	1,1,2-Trichloroethane	13.75	83	147769	44.03	ug/Kg	93
63)	Dibromochloromethane	13.98	129	199676	46.05	ug/Kg	96
64)	1,3-Dichloropropane	14.07	76	301206	44.15	ug/Kg	94
65)	1,2-Dibromoethane	14.29	107	160687	42.15	ug/Kg	92
66)	2-hexanone	14.40	43	871989	172.64	ug/Kg	99
67)	1-Chlorohexane	14.72	91	298228	52.48	ug/Kg	92
68)	Ethylbenzene	14.81	91	953574	54.86	ug/Kg	96
69)	Chlorobenzene	14.83	112	510167	53.11	ug/Kg	91
70)	1,1,1,2-Tetrachloroethane	14.88	131	189746	52.03	ug/Kg	93
71)	m,p-Xylene	14.95	91	1546192	110.08	ug/Kg	99
72)	o-Xylene	15.42	91	817511	55.02	ug/Kg	99
73)	Styrene	15.47	104	551898	54.73	ug/Kg	95
74)	Bromoform	15.56	173	109020	38.02	ug/Kg	95
75)	Isopropylbenzene	15.72	105	795094	57.26	ug/Kg	98
78)	cis-1,4-Dichloro-2-butene	16.06	53	78009	38.63	ug/Kg	91
79)	n-Propylbenzene	16.11	91	1168011	56.26	ug/Kg	95
80)	Bromobenzene	16.17	156	213695	53.37	ug/Kg	97
81)	1,1,2,2-Tetrachloroethane	16.18	83	194075	41.99	ug/Kg	91
82)	1,3,5-Trimethylbenzene	16.27	105	759273	57.29	ug/Kg	99
83)	2-Chlorotoluene	16.31	91	815534	56.19	ug/Kg	98
84)	trans-1,4-Dichloro-2-Buten	16.35	53	69492	85.24	ug/Kg	93
85)	1,2,3-Trichloropropane	16.35	110	42218	38.16	ug/Kg	95
86)	Cyclohexanone	16.44	55	25708	182.94	ug/Kg	95
87)	4-Chlorotoluene	16.47	91	719992	54.49	ug/Kg	97
88)	tert-Butylbenzene	16.60	91	512599	55.71	ug/Kg	93
89)	1,2,4-Trimethylbenzene	16.64	105	733599	55.31	ug/Kg	95
90)	Pentachloroethane	16.66	167	134158	56.80	ug/Kg	94

(#) = qualifier out of range (m) = manual integration
G0054810.D APP9-GR.M Fri Dec 12 12:54:44 2008 Page 2

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121208\G0054810.D Vial: 2
Acq On : 12 Dec 2008 10:29 am Operator: MikeM
Sample : bs Inst : MSVOA1
Misc : ms11045,vg2071,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 12:44:15 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

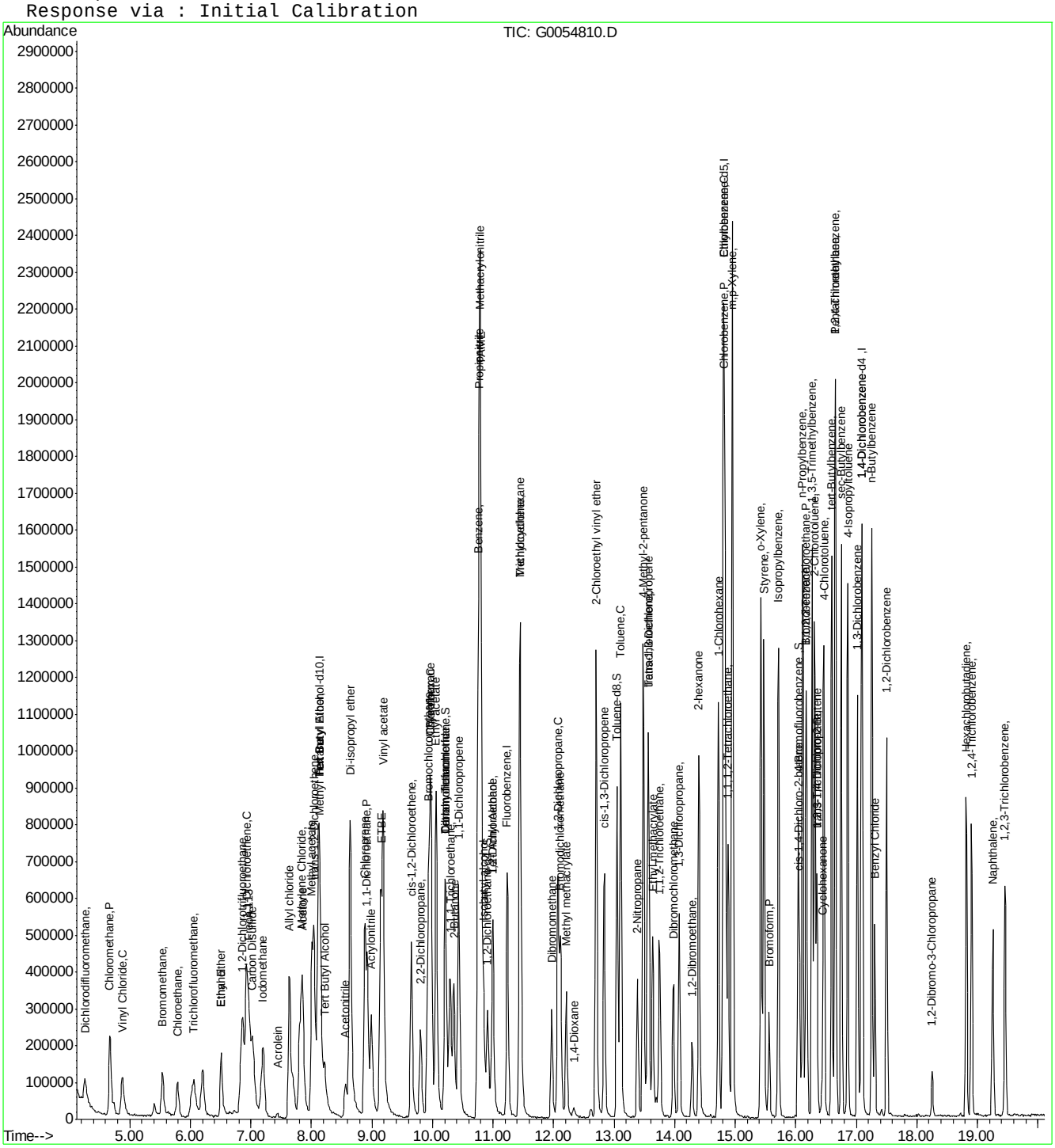
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	sec-Butylbenzene	16.75	105	946909	56.86	ug/Kg	98
92)	4-Isopropyltoluene	16.86	119	720635	58.01	ug/Kg	95
93)	1,3-Dichlorobenzene	17.02	146	389548	54.35	ug/Kg	96
94)	1,4-Dichlorobenzene	17.10	146	387841	53.89	ug/Kg	95
95)	n-Butylbenzene	17.26	92	479594	59.80	ug/Kg	99
96)	Benzyl Chloride	17.31	126	51207	39.79	ug/Kg	96
97)	1,2-Dichlorobenzene	17.50	146	348263	51.86	ug/Kg	93
98)	1,2-Dibromo-3-Chloropropan	18.25	75	30319	40.77	ug/Kg	93
99)	Hexachlorobutadiene	18.82	225	189982	59.50	ug/Kg	96
100)	1,2,4-Trichlorobenzene	18.90	180	247747	54.63	ug/Kg	98
101)	Naphthalene	19.26	128	361562	43.73	ug/Kg	99
102)	1,2,3-Trichlorobenzene	19.46	180	198137	50.10	ug/Kg	93
104)	Ethanol	6.51	45	139015	1153.47	ug/Kg	96
105)	Acrolein	7.44	56	13919	45.45	ug/Kg	79
106)	Tert Butyl Alcohol	8.22	59	153970	531.77	ug/Kg	79
107)	Isobutyl alcohol	10.85	42	101292	1082.15	ug/Kg	90
108)	Tert Amyl Alcohol	10.99	59	134024	537.06	ug/Kg	96
109)	1,4-Dioxane	12.33	88	22434	1114.06	ug/Kg	85

(#) = qualifier out of range (m) = manual integration (+) = signals summed
G0054810.D APP9-GR.M Fri Dec 12 12:54:44 2008 Page 3

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121208\G0054810.D Vial: 2
Acq On : 12 Dec 2008 10:29 am Operator: MikeM
Sample : bs Inst : MSVOA1
Misc : ms11045,vg2071,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 12:43 2008 Quant Results File: APP9-GR.RES

Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration



ACCUTEST Laboratories F61975

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054789.D Vial: 12
Acq On : 11 Dec 2008 4:25 pm Operator: MikeM
Sample : f61879-3ms Inst : MSVOA1
Misc : ms11035,vg2070,5.34,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 07:03:00 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	11.25	96	598197	50.00	ug/Kg	0.00
54) Chlorobenzene-d5	14.83	117	416698	50.00	ug/Kg	0.01
76) 1,4-Dichlorobenzene-d4	17.09	152	219553	50.00	ug/Kg	0.00
103) Tert Butyl Alcohol-d10	8.14	65	50236	250.00	ug/Kg	0.01
System Monitoring Compounds						
35) Dibromofluoromethane	10.24	113	182940	48.00	ug/Kg	0.01
Spiked Amount 50.000	Range 80 - 121		Recovery = 96.00%			
44) 1,2-Dichloroethane-d4	10.93	65	208973	41.90	ug/Kg	0.00
Spiked Amount 50.000	Range 77 - 123		Recovery = 83.80%			
55) Toluene-d8	13.07	98	595875	50.09	ug/Kg	0.00
Spiked Amount 50.000	Range 71 - 130		Recovery = 100.18%			
77) 4-Bromofluorobenzene	16.05	174	184943	48.23	ug/Kg	0.00
Spiked Amount 50.000	Range 59 - 148		Recovery = 96.46%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.28	85	154774	31.23	ug/Kg	93
3) Chloromethane	4.69	50	334726	46.50	ug/Kg	98
4) Vinyl Chloride	4.89	62	196868	39.95	ug/Kg	93
5) Bromomethane	5.56	94	98214	45.85	ug/Kg	90
6) Chloroethane	5.81	64	105908	44.47	ug/Kg	98
7) Trichlorofluoromethane	6.08	101	192326	44.89	ug/Kg	96
8) Ethyl Ether	6.53	59	140384	42.91	ug/Kg	93
9) 1,2-Dichlorotrifluoroethan	6.89	67	321327	43.95	ug/Kg	92
10) 1,1-Dichloroethene	6.95	61	362678	46.95	ug/Kg	99
11) Freon 113	6.98	101	185504	44.64	ug/Kg	94
12) Carbon Disulfide	7.05	76	595835	40.84	ug/Kg	96
13) Iodomethane	7.23	142	348188	39.03	ug/Kg	99
14) Allyl chloride	7.66	41	447523	54.64	ug/Kg	98
15) Methylene Chloride	7.85	49	423128	51.50	ug/Kg	98
16) Acetone	7.88	43	296893	97.42	ug/Kg	98
17) Methyl acetate	8.03	43	403662	117.94	ug/Kg	98
18) trans-1,2-Dichloroethene	8.06	61	379315	48.21	ug/Kg	97
19) Hexane	8.14	56	197199	45.12	ug/Kg	98
20) Methyl Tert Butyl Ether	8.17	73	478064	40.03	ug/Kg	96
21) Acetonitrile	8.58	41	106681	372.67	ug/Kg	98
22) Di-isopropyl ether	8.66	45	1029370	46.00	ug/Kg	98
23) Chloroprene	8.90	53	429197	53.68	ug/Kg	99
24) 1,1-Dichloroethane	8.94	63	477185	51.67	ug/Kg	91
25) Acrylonitrile	9.01	53	282345	191.91	ug/Kg	97
26) ETBE	9.16	59	750894	43.05	ug/Kg	97
27) Vinyl acetate	9.16	43	142968	16.78	ug/Kg	37
28) cis-1,2-Dichloroethene	9.67	96	209890	46.99	ug/Kg	88
29) 2,2-Dichloropropane	9.82	77	131855	42.16	ug/Kg	92
30) Bromochloromethane	9.94	128	105074	42.72	ug/Kg	95
31) Cyclohexane	9.97	56	424251	50.73	ug/Kg	97
32) Chloroform	9.99	83	446325	50.96	ug/Kg	94
33) Ethyl acetate	10.08	43	69500	17.66	ug/Kg	92
34) Tetrahydrofuran	10.23	42	58438	30.92	ug/Kg	97
36) Carbon Tetrachloride	10.23	117	309903	53.00	ug/Kg	97

(#) = qualifier out of range (m) = manual integration
G0054789.D APP9-GR.M Fri Dec 12 07:55:28 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054789.D Vial: 12
Acq On : 11 Dec 2008 4:25 pm Operator: MikeM
Sample : f61879-3ms Inst : MSVOA1
Misc : ms11035,vg2070,5.34,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 07:03:00 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
37) 1,1,1-Trichloroethane	10.31	97	313089	51.84	ug/Kg	96
38) 2-Butanone	10.38	43	389034	100.97	ug/Kg	99
39) 1,1-Dichloropropene	10.44	75	323416	48.89	ug/Kg	97
40) Propionitrile	10.78	54	192491	336.47	ug/Kg#	59
41) Methacrylonitrile	10.80	41	1570876	368.03	ug/Kg	96
42) Benzene	10.77	78	790090	49.97	ug/Kg	97
43) TAME	10.82	73	552648	42.84	ug/Kg	99
45) 1,2-Dichloroethane	11.01	62	347362	44.80	ug/Kg	98
46) Trichloroethene	11.46	95	228802	49.10	ug/Kg	94
47) Methylcyclohexane	11.47	83	321507	51.57	ug/Kg	96
48) Dibromomethane	11.98	93	136768	46.15	ug/Kg	95
49) 1,2-Dichloropropane	12.09	63	248203	47.03	ug/Kg	94
50) Bromodichloromethane	12.13	83	302877	46.55	ug/Kg	98
51) Methyl methacrylate	12.22	41	218330	39.72	ug/Kg	97
52) 2-Chloroethyl vinyl ether	12.71	63	585754	295.12	ug/Kg	92
53) cis-1,3-Dichloropropene	12.85	75	337532	46.90	ug/Kg	99
56) Toluene	13.13	91	809098	52.70	ug/Kg	98
57) 2-Nitropropane	13.40	41	254579	186.51	ug/Kg	97
58) 4-Methyl-2-pentanone	13.49	43	1128759	192.33	ug/Kg	97
59) trans-1,3-Dichloropropene	13.57	75	287934	48.56	ug/Kg	96
60) Tetrachloroethene	13.59	166	228222	57.54	ug/Kg	97
61) Ethyl methacrylate	13.66	69	32986	6.19	ug/Kg	88
62) 1,1,2-Trichloroethane	13.77	83	142834	44.82	ug/Kg	96
63) Dibromochloromethane	13.99	129	191250	46.45	ug/Kg	97
64) 1,3-Dichloropropane	14.09	76	288914	44.59	ug/Kg	94
65) 1,2-Dibromoethane	14.31	107	158809	43.87	ug/Kg	95
66) 2-hexanone	14.42	43	753052	157.01	ug/Kg	98
67) 1-Chlorohexane	14.74	91	274680	50.91	ug/Kg	96
68) Ethylbenzene	14.82	91	873022	52.89	ug/Kg	99
69) Chlorobenzene	14.85	112	480545	52.69	ug/Kg	97
70) 1,1,1,2-Tetrachloroethane	14.89	131	177153	51.16	ug/Kg	95
71) m,p-Xylene	14.96	91	1444059	108.27	ug/Kg	96
72) o-Xylene	15.43	91	755661	53.56	ug/Kg	98
73) Styrene	15.48	104	505434	52.78	ug/Kg	90
74) Bromoform	15.57	173	114099	41.90	ug/Kg	96
75) Isopropylbenzene	15.73	105	735549	55.78	ug/Kg	100
78) cis-1,4-Dichloro-2-butene	16.07	53	72747	36.42	ug/Kg#	89
79) n-Propylbenzene	16.12	91	1041205	50.69	ug/Kg	98
80) Bromobenzene	16.18	156	204380	51.60	ug/Kg	99
81) 1,1,2,2-Tetrachloroethane	16.19	83	191454	41.87	ug/Kg	97
82) 1,3,5-Trimethylbenzene	16.28	105	695622	53.06	ug/Kg	99
83) 2-Chlorotoluene	16.32	91	741595	51.66	ug/Kg	100
84) trans-1,4-Dichloro-2-Buten	16.36	53	58682	72.76	ug/Kg#	91
85) 1,2,3-Trichloropropane	16.36	110	41092	37.54	ug/Kg	94
86) Cyclohexanone	16.44	55	9308	66.96	ug/Kg	93
87) 4-Chlorotoluene	16.47	91	675650	51.69	ug/Kg	99
88) tert-Butylbenzene	16.60	91	491249	53.97	ug/Kg	99
89) 1,2,4-Trimethylbenzene	16.66	105	688947	52.51	ug/Kg	97
90) Pentachloroethane	16.68	167	118452	50.70	ug/Kg#	82

(#) = qualifier out of range (m) = manual integration
G0054789.D APP9-GR.M Fri Dec 12 07:55:29 2008 Page 2

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054789.D Vial: 12
Acq On : 11 Dec 2008 4:25 pm Operator: MikeM
Sample : f61879-3ms Inst : MSVOA1
Misc : ms11035,vg2070,5.34,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 07:03:00 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

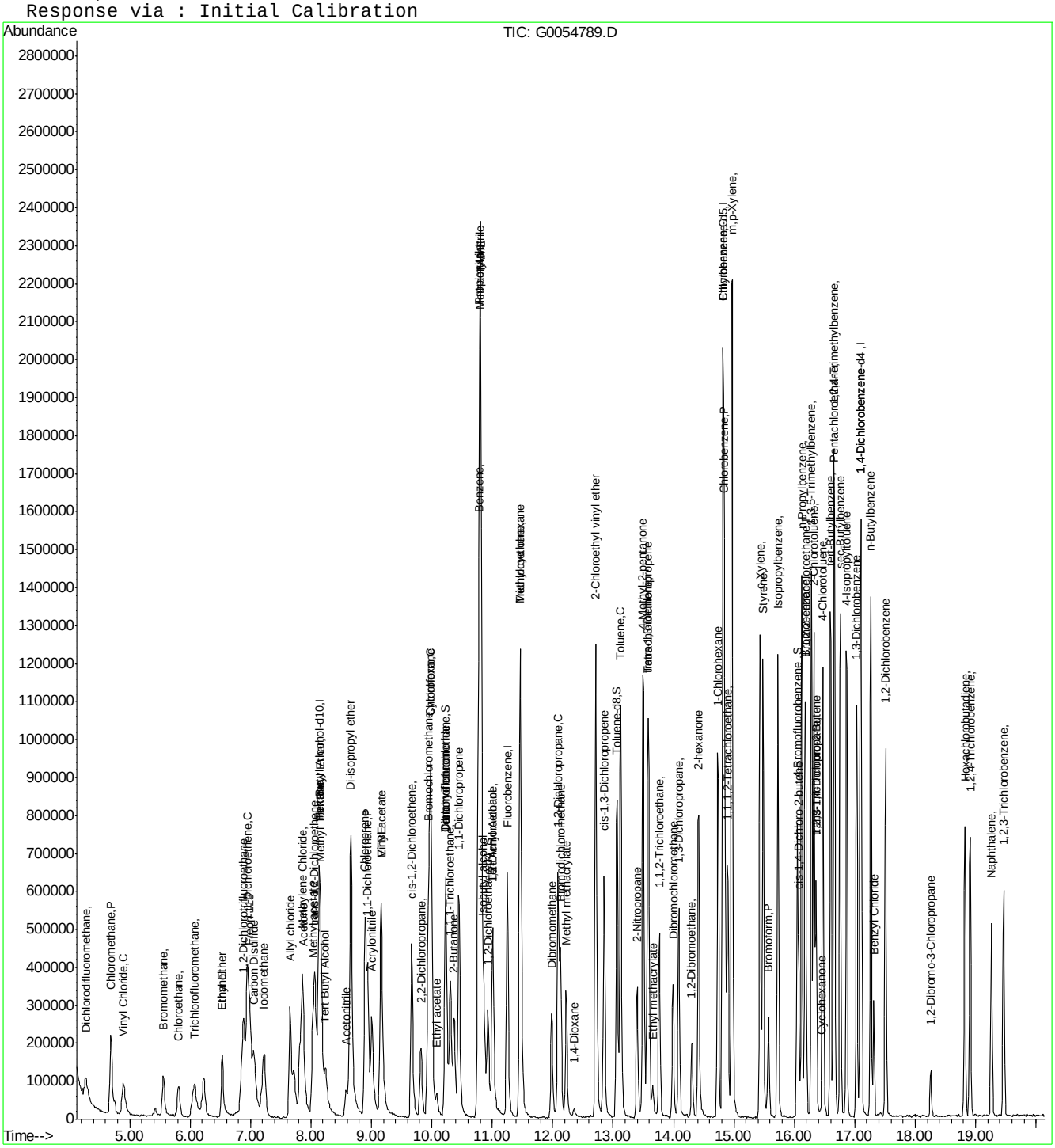
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	sec-Butylbenzene	16.76	105	869485	52.78	ug/Kg	99
92)	4-Isopropyltoluene	16.87	119	653692	53.19	ug/Kg	97
93)	1,3-Dichlorobenzene	17.03	146	366924	51.75	ug/Kg	98
94)	1,4-Dichlorobenzene	17.11	146	362809	50.96	ug/Kg	95
95)	n-Butylbenzene	17.27	92	408840	51.53	ug/Kg	97
96)	Benzyl Chloride	17.32	126	31766	24.95	ug/Kg#	88
97)	1,2-Dichlorobenzene	17.51	146	347982	52.38	ug/Kg	98
98)	1,2-Dibromo-3-Chloropropan	18.25	75	28534	38.79	ug/Kg	86
99)	Hexachlorobutadiene	18.82	225	167534	53.05	ug/Kg	96
100)	1,2,4-Trichlorobenzene	18.91	180	223804	49.89	ug/Kg	93
101)	Naphthalene	19.26	128	369425	45.17	ug/Kg	100
102)	1,2,3-Trichlorobenzene	19.46	180	182841	46.73	ug/Kg	96
104)	Ethanol	6.53	45	135750	1160.34	ug/Kg	99
106)	Tert Butyl Alcohol	8.25	59	131449	467.68	ug/Kg	88
107)	Isobutyl alcohol	10.86	42	93028	1023.83	ug/Kg	91
108)	Tert Amyl Alcohol	11.01	59	113005	466.49	ug/Kg	96
109)	1,4-Dioxane	12.35	88	19269	985.74	ug/Kg	74

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054789.D Vial: 12
Acq On : 11 Dec 2008 4:25 pm Operator: MikeM
Sample : f61879-3ms Inst : MSVOA1
Misc : ms11035,vg2070,5.34,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 7:02 2008 Quant Results File: APP9-GR.RES

Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration



ACCUTEST Laboratories F61975

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054790.D Vial: 13
Acq On : 11 Dec 2008 4:50 pm Operator: MikeM
Sample : f61879-3msd Inst : MSVOA1
Misc : ms11035,vg2070,5.37,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 07:03:01 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	11.25	96	606635	50.00	ug/Kg	0.00
54) Chlorobenzene-d5	14.83	117	449638	50.00	ug/Kg	0.01
76) 1,4-Dichlorobenzene-d4	17.09	152	229707	50.00	ug/Kg	0.00
103) Tert Butyl Alcohol-d10	8.14	65	64446	250.00	ug/Kg	0.01
System Monitoring Compounds						
35) Dibromofluoromethane	10.24	113	194101	50.22	ug/Kg	0.01
Spiked Amount 50.000	Range 80 - 121		Recovery = 100.44%			
44) 1,2-Dichloroethane-d4	10.93	65	254358	50.30	ug/Kg	0.00
Spiked Amount 50.000	Range 77 - 123		Recovery = 100.60%			
55) Toluene-d8	13.07	98	639434	49.81	ug/Kg	0.00
Spiked Amount 50.000	Range 71 - 130		Recovery = 99.62%			
77) 4-Bromofluorobenzene	16.05	174	184195	45.91	ug/Kg	0.00
Spiked Amount 50.000	Range 59 - 148		Recovery = 91.82%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.28	85	148838	29.61	ug/Kg	96
3) Chloromethane	4.69	50	331827	45.45	ug/Kg	100
4) Vinyl Chloride	4.89	62	199790	39.98	ug/Kg	95
5) Bromomethane	5.55	94	98883	45.52	ug/Kg	92
6) Chloroethane	5.81	64	105710	43.77	ug/Kg	95
7) Trichlorofluoromethane	6.07	101	185583	42.72	ug/Kg	94
8) Ethyl Ether	6.53	59	143166	43.15	ug/Kg	89
9) 1,2-Dichlorotrifluoroethan	6.89	67	322097	43.44	ug/Kg	90
10) 1,1-Dichloroethene	6.94	61	362195	46.24	ug/Kg	98
11) Freon 113	6.98	101	190027	45.10	ug/Kg	95
12) Carbon Disulfide	7.05	76	591017	39.95	ug/Kg	98
13) Iodomethane	7.22	142	335019	37.04	ug/Kg	94
14) Allyl chloride	7.65	41	447374	53.87	ug/Kg	96
15) Methylene Chloride	7.85	49	413422	49.62	ug/Kg	96
16) Acetone	7.88	43	319977	103.73	ug/Kg	97
17) Methyl acetate	8.03	43	440648	126.96	ug/Kg	100
18) trans-1,2-Dichloroethene	8.06	61	377391	47.30	ug/Kg	95
19) Hexane	8.14	56	177626	40.08	ug/Kg	94
20) Methyl Tert Butyl Ether	8.17	73	514140	42.46	ug/Kg	98
21) Acetonitrile	8.58	41	120385	414.69	ug/Kg	98
22) Di-isopropyl ether	8.66	45	1058451	46.64	ug/Kg	99
23) Chloroprene	8.90	53	427305	52.70	ug/Kg	97
24) 1,1-Dichloroethane	8.94	63	481854	51.45	ug/Kg	96
25) Acrylonitrile	9.00	53	325310	218.04	ug/Kg	90
26) ETBE	9.16	59	802304	45.35	ug/Kg	95
27) Vinyl acetate	9.16	43	151050	17.48	ug/Kg	36
28) cis-1,2-Dichloroethene	9.67	96	216065	47.70	ug/Kg	92
29) 2,2-Dichloropropane	9.82	77	127036	40.05	ug/Kg	96
30) Bromochloromethane	9.94	128	102899	41.25	ug/Kg	94
31) Cyclohexane	9.97	56	406383	47.92	ug/Kg	96
32) Chloroform	9.99	83	452663	50.97	ug/Kg	99
33) Ethyl acetate	10.08	43	80926	20.28	ug/Kg	94
34) Tetrahydrofuran	10.23	42	70236	36.64	ug/Kg	97
36) Carbon Tetrachloride	10.23	117	251653	42.44	ug/Kg	96

(#) = qualifier out of range (m) = manual integration
G0054790.D APP9-GR.M Fri Dec 12 07:55:35 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054790.D Vial: 13
Acq On : 11 Dec 2008 4:50 pm Operator: MikeM
Sample : f61879-3msd Inst : MSVOA1
Misc : ms11035,vg2070,5.37,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 07:03:01 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
37)	1,1,1-Trichloroethane	10.31	97	296794	48.46	ug/Kg	94
38)	2-Butanone	10.38	43	473165	122.01	ug/Kg	95
39)	1,1-Dichloropropene	10.45	75	313381	46.72	ug/Kg	93
40)	Propionitrile	10.78	54	218290	378.93	ug/Kg#	64
41)	Methacrylonitrile	10.80	41	1814160	422.96	ug/Kg	98
42)	Benzene	10.77	78	797898	49.76	ug/Kg	96
43)	TAME	10.82	73	591331	45.20	ug/Kg	97
45)	1,2-Dichloroethane	11.02	62	370473	47.11	ug/Kg	98
46)	Trichloroethene	11.46	95	227928	48.23	ug/Kg	98
47)	Methylcyclohexane	11.47	83	313668	49.61	ug/Kg	95
48)	Dibromomethane	11.98	93	138437	46.06	ug/Kg	93
49)	1,2-Dichloropropane	12.09	63	262781	49.10	ug/Kg	99
50)	Bromodichloromethane	12.13	83	311710	47.24	ug/Kg	98
51)	Methyl methacrylate	12.22	41	237313	42.57	ug/Kg	96
52)	2-Chloroethyl vinyl ether	12.71	63	659680	327.75	ug/Kg	94
53)	cis-1,3-Dichloropropene	12.85	75	358336	49.10	ug/Kg	96
56)	Toluene	13.13	91	812934	49.07	ug/Kg	97
57)	2-Nitropropane	13.40	41	298052	202.37	ug/Kg	99
58)	4-Methyl-2-pentanone	13.50	43	1311166	207.05	ug/Kg	97
59)	trans-1,3-Dichloropropene	13.57	75	311235	48.65	ug/Kg	96
60)	Tetrachloroethene	13.59	166	241709	56.48	ug/Kg	90
61)	Ethyl methacrylate	13.66	69	37495	6.52	ug/Kg	94
62)	1,1,2-Trichloroethane	13.77	83	157956	45.93	ug/Kg	97
63)	Dibromochloromethane	13.99	129	200843	45.21	ug/Kg	98
64)	1,3-Dichloropropane	14.09	76	313247	44.81	ug/Kg	98
65)	1,2-Dibromoethane	14.31	107	166191	42.54	ug/Kg	91
66)	2-hexanone	14.41	43	881302	170.29	ug/Kg	99
67)	1-Chlorohexane	14.73	91	281020	48.27	ug/Kg	92
68)	Ethylbenzene	14.82	91	896166	50.31	ug/Kg	99
69)	Chlorobenzene	14.85	112	479183	48.69	ug/Kg	93
70)	1,1,1,2-Tetrachloroethane	14.89	131	193245	51.71	ug/Kg	96
71)	m,p-Xylene	14.97	91	1441990	100.20	ug/Kg	100
72)	o-Xylene	15.43	91	762555	50.09	ug/Kg	99
73)	Styrene	15.48	104	511979	49.55	ug/Kg	95
74)	Bromoform	15.57	173	126802	43.16	ug/Kg	97
75)	Isopropylbenzene	15.73	105	742771	52.20	ug/Kg	99
78)	cis-1,4-Dichloro-2-butene	16.07	53	81571	39.03	ug/Kg	91
79)	n-Propylbenzene	16.12	91	1060561	49.35	ug/Kg	97
80)	Bromobenzene	16.18	156	199612	48.17	ug/Kg	99
81)	1,1,2,2-Tetrachloroethane	16.19	83	219780	45.94	ug/Kg	98
82)	1,3,5-Trimethylbenzene	16.28	105	683916	49.86	ug/Kg	99
83)	2-Chlorotoluene	16.32	91	752441	50.09	ug/Kg	98
84)	trans-1,4-Dichloro-2-Buten	16.36	53	68752	81.48	ug/Kg	97
85)	1,2,3-Trichloropropane	16.36	110	45680	39.89	ug/Kg	89
86)	Cyclohexanone	16.44	55	11866	81.59	ug/Kg	88
87)	4-Chlorotoluene	16.47	91	672081	49.14	ug/Kg	99
88)	tert-Butylbenzene	16.60	91	473472	49.72	ug/Kg	98
89)	1,2,4-Trimethylbenzene	16.65	105	703214	51.22	ug/Kg	97
90)	Pentachloroethane	16.66	167	113953	46.62	ug/Kg	92

(#) = qualifier out of range (m) = manual integration
G0054790.D APP9-GR.M Fri Dec 12 07:55:36 2008 Page 2

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054790.D Vial: 13
Acq On : 11 Dec 2008 4:50 pm Operator: MikeM
Sample : f61879-3msd Inst : MSVOA1
Misc : ms11035,vg2070,5.37,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 07:03:01 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

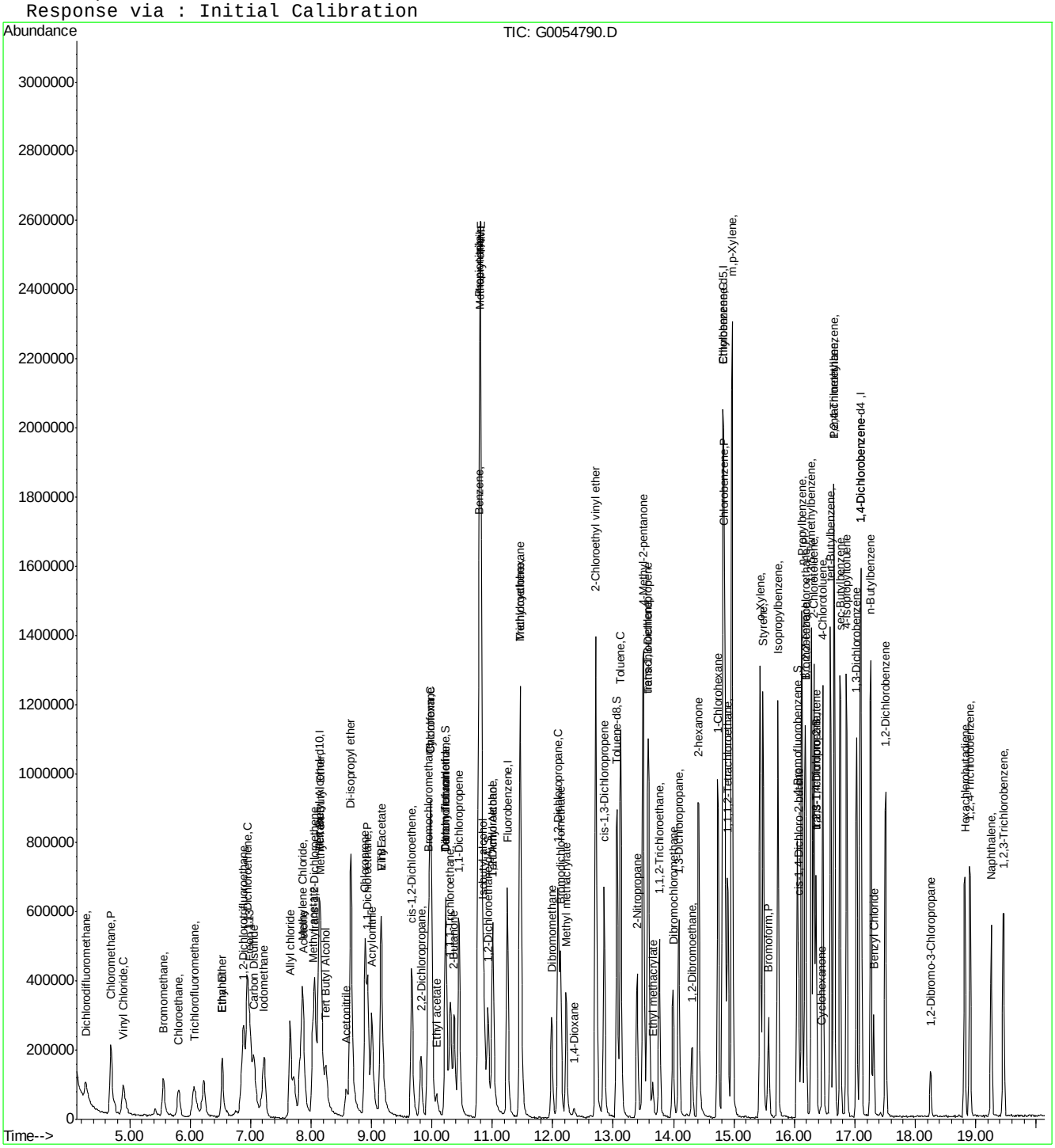
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	sec-Butylbenzene	16.75	105	865026	50.19	ug/Kg	97
92)	4-Isopropyltoluene	16.87	119	659960	51.33	ug/Kg	96
93)	1,3-Dichlorobenzene	17.03	146	376334	50.73	ug/Kg	97
94)	1,4-Dichlorobenzene	17.11	146	371079	49.81	ug/Kg	92
95)	n-Butylbenzene	17.27	92	413787	49.85	ug/Kg	98
96)	Benzyl Chloride	17.31	126	33721	25.32	ug/Kg#	66
97)	1,2-Dichlorobenzene	17.51	146	342334	49.26	ug/Kg	96
98)	1,2-Dibromo-3-Chloropropan	18.25	75	34783	45.19	ug/Kg	93
99)	Hexachlorobutadiene	18.82	225	157094	47.54	ug/Kg	98
100)	1,2,4-Trichlorobenzene	18.91	180	226270	48.21	ug/Kg	95
101)	Naphthalene	19.26	128	397214	46.42	ug/Kg	99
102)	1,2,3-Trichlorobenzene	19.46	180	198905	48.59	ug/Kg	99
104)	Ethanol	6.53	45	144401	962.14	ug/Kg	95
106)	Tert Butyl Alcohol	8.25	59	161606	448.20	ug/Kg	82
107)	Isobutyl alcohol	10.86	42	123356	1058.26	ug/Kg	96
108)	Tert Amyl Alcohol	11.01	59	146837	472.49	ug/Kg	94
109)	1,4-Dioxane	12.36	88	21428	854.49	ug/Kg	85

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054790.D Vial: 13
Acq On : 11 Dec 2008 4:50 pm Operator: MikeM
Sample : f61879-3msd Inst : MSVOA1
Misc : ms11035,vg2070,5.37,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 7:02 2008 Quant Results File: APP9-GR.RES

Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration



ACCUTEST Laboratories F61975

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121208\G0054817.D Vial: 9
Acq On : 12 Dec 2008 1:27 pm Operator: MikeM
Sample : f61975-4ms Inst : MSVOA1
Misc : ms11045,vg2071,4.80,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 14:59:52 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	11.23	96	434830	50.00	ug/Kg	-0.02
54) Chlorobenzene-d5	14.81	117	315244	50.00	ug/Kg	0.00
76) 1,4-Dichlorobenzene-d4	17.08	152	153969	50.00	ug/Kg	0.00
103) Tert Butyl Alcohol-d10	8.12	65	45167	250.00	ug/Kg	0.00
System Monitoring Compounds						
35) Dibromofluoromethane	10.22	113	131791	47.57	ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 121		Recovery = 95.14%			
44) 1,2-Dichloroethane-d4	10.91	65	163530	45.11	ug/Kg	-0.02
Spiked Amount 50.000	Range 77 - 123		Recovery = 90.22%			
55) Toluene-d8	13.05	98	446234	49.58	ug/Kg	-0.02
Spiked Amount 50.000	Range 71 - 130		Recovery = 99.16%			
77) 4-Bromofluorobenzene	16.04	174	130916	48.68	ug/Kg	0.00
Spiked Amount 50.000	Range 59 - 148		Recovery = 97.36%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.26	85	100787	27.97	ug/Kg	84
3) Chloromethane	4.68	50	246315	47.07	ug/Kg	99
4) Vinyl Chloride	4.87	62	170562	47.62	ug/Kg	92
5) Bromomethane	5.53	94	83116	53.37	ug/Kg	92
6) Chloroethane	5.79	64	83872	48.45	ug/Kg	97
7) Trichlorofluoromethane	6.04	101	169433	54.41	ug/Kg	95
8) Ethyl Ether	6.51	59	104309	43.86	ug/Kg	97
9) 1,2-Dichlorotrifluoroethan	6.84	67	262287	49.35	ug/Kg	98
10) 1,1-Dichloroethene	6.91	61	278812	49.66	ug/Kg	96
11) Freon 113	6.95	101	158091	52.34	ug/Kg	89
12) Carbon Disulfide	7.00	76	525907	49.59	ug/Kg	99
13) Iodomethane	7.16	142	258445	39.86	ug/Kg	98
14) Allyl chloride	7.63	41	358119	60.16	ug/Kg	94
15) Methylene Chloride	7.80	49	369311	61.84	ug/Kg	97
16) Acetone	7.86	43	257485	116.93	ug/Kg	96
17) Methyl acetate	8.01	43	507806	204.12	ug/Kg	99
18) trans-1,2-Dichloroethene	8.04	61	297266	51.97	ug/Kg	97
19) Hexane	8.12	56	162911	51.28	ug/Kg	97
20) Methyl Tert Butyl Ether	8.15	73	402562	46.38	ug/Kg	95
21) Acetonitrile	8.56	41	136337	655.20	ug/Kg	93
22) Di-isopropyl ether	8.64	45	799676	49.16	ug/Kg	95
23) Chloroprene	8.88	53	315884	54.35	ug/Kg	98
24) 1,1-Dichloroethane	8.92	63	356134	53.05	ug/Kg	99
25) Acrylonitrile	9.00	53	237622	222.19	ug/Kg	92
26) ETBE	9.14	59	592651	46.74	ug/Kg	99
27) Vinyl acetate	9.18	43	97936	15.81	ug/Kg	99
28) cis-1,2-Dichloroethene	9.66	96	161840	49.85	ug/Kg	91
29) 2,2-Dichloropropane	9.80	77	149447	65.74	ug/Kg	97
30) Bromochloromethane	9.92	128	77961	43.60	ug/Kg	96
31) Cyclohexane	9.95	56	364733	60.00	ug/Kg	97
32) Chloroform	9.97	83	339847	53.38	ug/Kg	97
33) Ethyl acetate	10.06	43	152268	53.24	ug/Kg	92
34) Tetrahydrofuran	10.21	42	54869	39.93	ug/Kg	95
36) Carbon Tetrachloride	10.21	117	202371	47.61	ug/Kg	97

(#) = qualifier out of range (m) = manual integration
G0054817.D APP9-GR.M Fri Dec 12 15:02:02 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121208\G0054817.D Vial: 9
Acq On : 12 Dec 2008 1:27 pm Operator: MikeM
Sample : f61975-4ms Inst : MSVOA1
Misc : ms11045,vg2071,4.80,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 14:59:52 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
37)	1,1,1-Trichloroethane	10.29	97	255141	58.12	ug/Kg	97
38)	2-Butanone	10.36	43	372002	134.42	ug/Kg	96
39)	1,1-Dichloropropene	10.43	75	250937	52.19	ug/Kg	93
40)	Propionitrile	10.76	54	168007	408.93	ug/Kg#	81
41)	Methacrylonitrile	10.78	41	1316901	428.75	ug/Kg	96
42)	Benzene	10.75	78	622650	54.17	ug/Kg	99
43)	TAME	10.80	73	441583	47.09	ug/Kg	98
45)	1,2-Dichloroethane	11.00	62	253289	44.94	ug/Kg	97
46)	Trichloroethene	11.44	95	177632	52.44	ug/Kg	98
47)	Methylcyclohexane	11.45	83	275131	60.71	ug/Kg	96
48)	Dibromomethane	11.97	93	100742	46.77	ug/Kg	95
49)	1,2-Dichloropropane	12.07	63	191301	49.87	ug/Kg	94
50)	Bromodichloromethane	12.11	83	223859	47.33	ug/Kg	97
51)	Methyl methacrylate	12.21	41	210857	52.77	ug/Kg	95
52)	2-Chloroethyl vinyl ether	12.70	63	447123	309.91	ug/Kg	95
53)	cis-1,3-Dichloropropene	12.83	75	263197	50.31	ug/Kg	96
56)	Toluene	13.11	91	607452	52.30	ug/Kg	95
57)	2-Nitropropane	13.38	41	208869	202.27	ug/Kg	90
58)	4-Methyl-2-pentanone	13.48	43	947894	213.50	ug/Kg	97
59)	trans-1,3-Dichloropropene	13.55	75	221256	49.33	ug/Kg	94
60)	Tetrachloroethene	13.57	166	165821	55.27	ug/Kg	92
61)	Ethyl methacrylate	13.65	69	56751	14.07	ug/Kg	97
62)	1,1,2-Trichloroethane	13.75	83	116574	48.35	ug/Kg	95
63)	Dibromochloromethane	13.97	129	141734	45.50	ug/Kg	96
64)	1,3-Dichloropropane	14.07	76	221105	45.11	ug/Kg	97
65)	1,2-Dibromoethane	14.29	107	120613	44.04	ug/Kg	84
66)	2-hexanone	14.40	43	676262	186.38	ug/Kg	99
67)	1-Chlorohexane	14.72	91	231808	56.79	ug/Kg	96
68)	Ethylbenzene	14.80	91	700271	56.08	ug/Kg	100
69)	Chlorobenzene	14.83	112	367737	53.29	ug/Kg	93
70)	1,1,1,2-Tetrachloroethane	14.88	131	134153	51.21	ug/Kg	99
71)	m,p-Xylene	14.95	91	1135595	112.55	ug/Kg	97
72)	o-Xylene	15.42	91	576072	53.97	ug/Kg	96
73)	Styrene	15.47	104	368482	50.87	ug/Kg	99
74)	Bromoform	15.56	173	80430	39.04	ug/Kg	97
75)	Isopropylbenzene	15.72	105	591517	59.30	ug/Kg	99
78)	cis-1,4-Dichloro-2-butene	16.06	53	61148	43.65	ug/Kg#	88
79)	n-Propylbenzene	16.11	91	827172	57.43	ug/Kg	98
80)	Bromobenzene	16.17	156	150695	54.25	ug/Kg	97
81)	1,1,2,2-Tetrachloroethane	16.18	83	158727	49.50	ug/Kg	96
82)	1,3,5-Trimethylbenzene	16.27	105	558339	60.73	ug/Kg	99
83)	2-Chlorotoluene	16.31	91	588267	58.43	ug/Kg	99
84)	trans-1,4-Dichloro-2-Buten	16.35	53	53425	94.46	ug/Kg#	78
85)	1,2,3-Trichloropropane	16.35	110	36083	47.01	ug/Kg	87
86)	Cyclohexanone	16.44	55	12784	131.14	ug/Kg	90
87)	4-Chlorotoluene	16.46	91	511968	55.85	ug/Kg	98
88)	tert-Butylbenzene	16.59	91	379522	59.46	ug/Kg	96
89)	1,2,4-Trimethylbenzene	16.64	105	548348	59.59	ug/Kg	94
90)	Pentachloroethane	16.65	167	85745	52.33	ug/Kg#	77

(#) = qualifier out of range (m) = manual integration
G0054817.D APP9-GR.M Fri Dec 12 15:02:03 2008 Page 2

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121208\G0054817.D Vial: 9
Acq On : 12 Dec 2008 1:27 pm Operator: MikeM
Sample : f61975-4ms Inst : MSVOA1
Misc : ms11045,vg2071,4.80,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 14:59:52 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

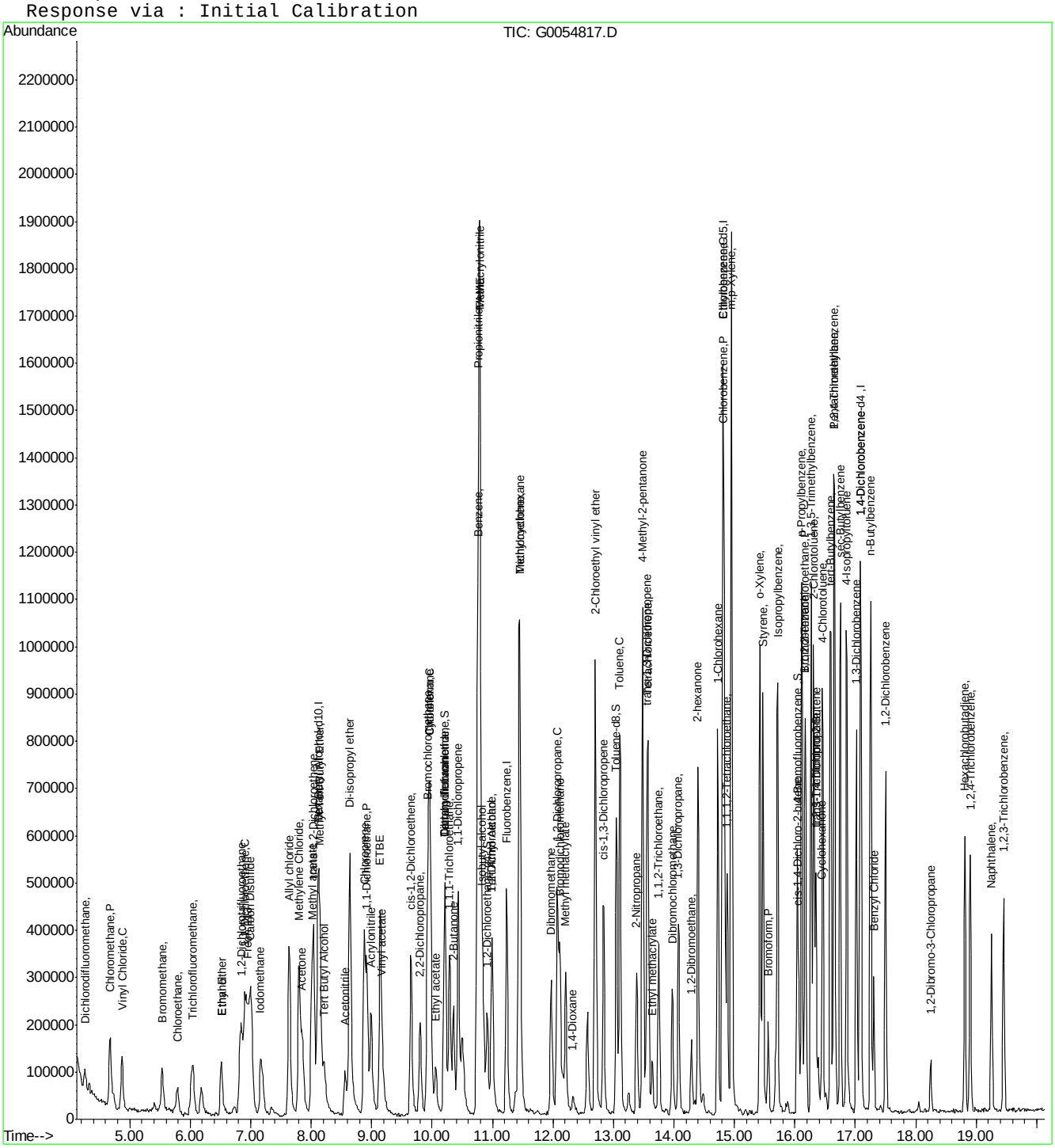
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	sec-Butylbenzene	16.75	105	704558	60.98	ug/Kg	98
92)	4-Isopropyltoluene	16.86	119	522241	60.60	ug/Kg	100
93)	1,3-Dichlorobenzene	17.02	146	270011	54.31	ug/Kg	96
94)	1,4-Dichlorobenzene	17.10	146	274189	54.91	ug/Kg	95
95)	n-Butylbenzene	17.26	92	333903	60.01	ug/Kg	98
96)	Benzyl Chloride	17.31	126	31315	35.08	ug/Kg#	75
97)	1,2-Dichlorobenzene	17.50	146	250294	53.73	ug/Kg	94
98)	1,2-Dibromo-3-Chloropropan	18.25	75	25365	49.17	ug/Kg	96
99)	Hexachlorobutadiene	18.81	225	116966	52.81	ug/Kg	83
100)	1,2,4-Trichlorobenzene	18.90	180	155399	49.40	ug/Kg	96
101)	Naphthalene	19.25	128	279767	48.78	ug/Kg	96
102)	1,2,3-Trichlorobenzene	19.45	180	134935	49.18	ug/Kg	97
104)	Ethanol	6.52	45	98118	932.80	ug/Kg	99
106)	Tert Butyl Alcohol	8.22	59	136001	538.18	ug/Kg	91
107)	Isobutyl alcohol	10.84	42	79123	968.53	ug/Kg#	79
108)	Tert Amyl Alcohol	10.99	59	118566	544.37	ug/Kg	92
109)	1,4-Dioxane	12.34	88	17526	997.20	ug/Kg#	61

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121208\G0054817.D Vial: 9
Acq On : 12 Dec 2008 1:27 pm Operator: MikeM
Sample : f61975-4ms Inst : MSVOA1
Misc : ms11045,vg2071,4.80,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 14:59 2008 Quant Results File: APP9-GR.RES

Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration



G0054817.D APP9-GR.M Fri Dec 12 15:02:04 2008 Page 4

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121208\G0054818.D Vial: 10
Acq On : 12 Dec 2008 1:52 pm Operator: MikeM
Sample : f61975-4msd Inst : MSVOA1
Misc : ms11045,vg2071,4.90,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 14:59:53 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	11.23	96	881564	50.00	ug/Kg	-0.02
54) Chlorobenzene-d5	14.81	117	600586	50.00	ug/Kg	0.00
76) 1,4-Dichlorobenzene-d4	17.08	152	308706	50.00	ug/Kg	0.00
103) Tert Butyl Alcohol-d10	8.12	65	69327	250.00	ug/Kg	0.00
System Monitoring Compounds						
35) Dibromofluoromethane	10.21	113	267871	47.69	ug/Kg	-0.02
Spiked Amount 50.000	Range 80 - 121		Recovery = 95.38%			
44) 1,2-Dichloroethane-d4	10.91	65	339676	46.22	ug/Kg	-0.02
Spiked Amount 50.000	Range 77 - 123		Recovery = 92.44%			
55) Toluene-d8	13.05	98	898727	52.42	ug/Kg	-0.02
Spiked Amount 50.000	Range 71 - 130		Recovery = 104.84%			
77) 4-Bromofluorobenzene	16.03	174	262394	48.66	ug/Kg	-0.02
Spiked Amount 50.000	Range 59 - 148		Recovery = 97.32%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.26	85	211313	28.93	ug/Kg	96
3) Chloromethane	4.68	50	481797	45.41	ug/Kg	99
4) Vinyl Chloride	4.88	62	322751	44.45	ug/Kg	98
5) Bromomethane	5.54	94	145194	45.99	ug/Kg	96
6) Chloroethane	5.78	64	151104	43.05	ug/Kg	97
7) Trichlorofluoromethane	6.05	101	290953	46.08	ug/Kg	92
8) Ethyl Ether	6.51	59	175263	36.35	ug/Kg	90
9) 1,2-Dichlorotrifluoroethan	6.86	67	479154	44.47	ug/Kg	99
10) 1,1-Dichloroethene	6.93	61	537129	47.19	ug/Kg	97
11) Freon 113	6.97	101	282501	46.13	ug/Kg	94
12) Carbon Disulfide	7.03	76	926213	43.08	ug/Kg	99
13) Iodomethane	7.20	142	480587	36.56	ug/Kg	93
14) Allyl chloride	7.64	41	659571	54.65	ug/Kg	96
15) Methylene Chloride	7.82	49	663084	54.77	ug/Kg	96
16) Acetone	7.85	43	385988	85.63	ug/Kg	95
17) Methyl acetate	8.01	43	793343	157.29	ug/Kg	96
18) trans-1,2-Dichloroethene	8.04	61	537833	46.38	ug/Kg	96
19) Hexane	8.11	56	274040	42.55	ug/Kg	92
20) Methyl Tert Butyl Ether	8.15	73	685301	38.94	ug/Kg	96
21) Acetonitrile	8.57	41	159784	378.75	ug/Kg	96
22) Di-isopropyl ether	8.64	45	1403537	42.56	ug/Kg	97
23) Chloroprene	8.88	53	613362	52.05	ug/Kg	98
24) 1,1-Dichloroethane	8.92	63	662417	48.67	ug/Kg	99
25) Acrylonitrile	8.99	53	364264	168.01	ug/Kg	95
26) ETBE	9.14	59	1054399	41.02	ug/Kg	98
27) Vinyl acetate	9.18	43	144283	11.49	ug/Kg	88
28) cis-1,2-Dichloroethene	9.65	96	296939	45.11	ug/Kg	95
29) 2,2-Dichloropropane	9.80	77	242781	52.68	ug/Kg	99
30) Bromochloromethane	9.92	128	139742	38.55	ug/Kg	95
31) Cyclohexane	9.94	56	636562	51.65	ug/Kg	93
32) Chloroform	9.97	83	628608	48.71	ug/Kg	96
33) Ethyl acetate	10.06	43	231755	39.97	ug/Kg	96
34) Tetrahydrofuran	10.21	42	85344	30.64	ug/Kg	88
36) Carbon Tetrachloride	10.21	117	394976	45.83	ug/Kg	99

(#) = qualifier out of range (m) = manual integration
G0054818.D APP9-GR.M Fri Dec 12 15:02:11 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121208\G0054818.D Vial: 10
Acq On : 12 Dec 2008 1:52 pm Operator: MikeM
Sample : f61975-4msd Inst : MSVOA1
Misc : ms11045,vg2071,4.90,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 14:59:53 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
37) 1,1,1-Trichloroethane	10.29	97	452203	50.81	ug/Kg	98
38) 2-Butanone	10.36	43	577589	101.75	ug/Kg	94
39) 1,1-Dichloropropene	10.44	75	479931	49.23	ug/Kg	89
40) Propionitrile	10.76	54	276287	327.20	ug/Kg#	54
41) Methacrylonitrile	10.78	41	2130308	336.94	ug/Kg	99
42) Benzene	10.75	78	1149333	49.32	ug/Kg	97
43) TAME	10.80	73	785311	41.31	ug/Kg	98
45) 1,2-Dichloroethane	11.00	62	452850	39.63	ug/Kg	97
46) Trichloroethene	11.44	95	323952	47.17	ug/Kg	98
47) Methylcyclohexane	11.45	83	485350	52.83	ug/Kg	99
48) Dibromomethane	11.96	93	183474	42.01	ug/Kg	91
49) 1,2-Dichloropropane	12.07	63	347129	44.64	ug/Kg	95
50) Bromodichloromethane	12.11	83	411209	42.89	ug/Kg	96
51) Methyl methacrylate	12.21	41	320059	39.51	ug/Kg	98
52) 2-Chloroethyl vinyl ether	12.70	63	825323	282.16	ug/Kg	96
53) cis-1,3-Dichloropropene	12.83	75	464966	43.84	ug/Kg	98
56) Toluene	13.11	91	1131142	51.12	ug/Kg	95
57) 2-Nitropropane	13.38	41	366933	186.52	ug/Kg	98
58) 4-Methyl-2-pentanone	13.48	43	1603520	189.57	ug/Kg	98
59) trans-1,3-Dichloropropene	13.55	75	404991	47.39	ug/Kg	98
60) Tetrachloroethene	13.57	166	308356	53.94	ug/Kg	92
61) Ethyl methacrylate	13.64	69	91823	11.95	ug/Kg	88
62) 1,1,2-Trichloroethane	13.75	83	208424	45.37	ug/Kg	87
63) Dibromochloromethane	13.97	129	264586	44.59	ug/Kg	95
64) 1,3-Dichloropropane	14.07	76	405332	43.41	ug/Kg	99
65) 1,2-Dibromoethane	14.29	107	215352	41.27	ug/Kg	91
66) 2-hexanone	14.40	43	1088899	157.52	ug/Kg	98
67) 1-Chlorohexane	14.72	91	418663	53.83	ug/Kg	96
68) Ethylbenzene	14.80	91	1258244	52.89	ug/Kg	100
69) Chlorobenzene	14.83	112	651882	49.59	ug/Kg	91
70) 1,1,1,2-Tetrachloroethane	14.88	131	240717	48.23	ug/Kg	94
71) m,p-Xylene	14.95	91	2055331	106.92	ug/Kg	100
72) o-Xylene	15.42	91	1042579	51.27	ug/Kg	98
73) Styrene	15.47	104	695323	50.38	ug/Kg	98
74) Bromoform	15.56	173	152559	38.87	ug/Kg	95
75) Isopropylbenzene	15.71	105	1061861	55.87	ug/Kg	99
78) cis-1,4-Dichloro-2-butene	16.06	53	102566	36.52	ug/Kg	95
79) n-Propylbenzene	16.11	91	1505527	52.13	ug/Kg	100
80) Bromobenzene	16.17	156	262392	47.11	ug/Kg	93
81) 1,1,2,2-Tetrachloroethane	16.18	83	276677	43.04	ug/Kg	95
82) 1,3,5-Trimethylbenzene	16.27	105	1003894	54.46	ug/Kg	99
83) 2-Chlorotoluene	16.31	91	1036018	51.32	ug/Kg	99
84) trans-1,4-Dichloro-2-Buten	16.35	53	88075	77.67	ug/Kg	100
85) 1,2,3-Trichloropropane	16.34	110	57411	37.30	ug/Kg	94
86) Cyclohexanone	16.43	55	16054	82.14	ug/Kg	91
87) 4-Chlorotoluene	16.46	91	930714	50.64	ug/Kg	97
88) tert-Butylbenzene	16.59	91	684005	53.45	ug/Kg	97
89) 1,2,4-Trimethylbenzene	16.65	105	986720	53.48	ug/Kg	98
90) Pentachloroethane	16.66	167	155737	47.40	ug/Kg	93

(#) = qualifier out of range (m) = manual integration
G0054818.D APP9-GR.M Fri Dec 12 15:02:11 2008 Page 2

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121208\G0054818.D Vial: 10
Acq On : 12 Dec 2008 1:52 pm Operator: MikeM
Sample : f61975-4msd Inst : MSVOA1
Misc : ms11045,vg2071,4.90,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 14:59:53 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

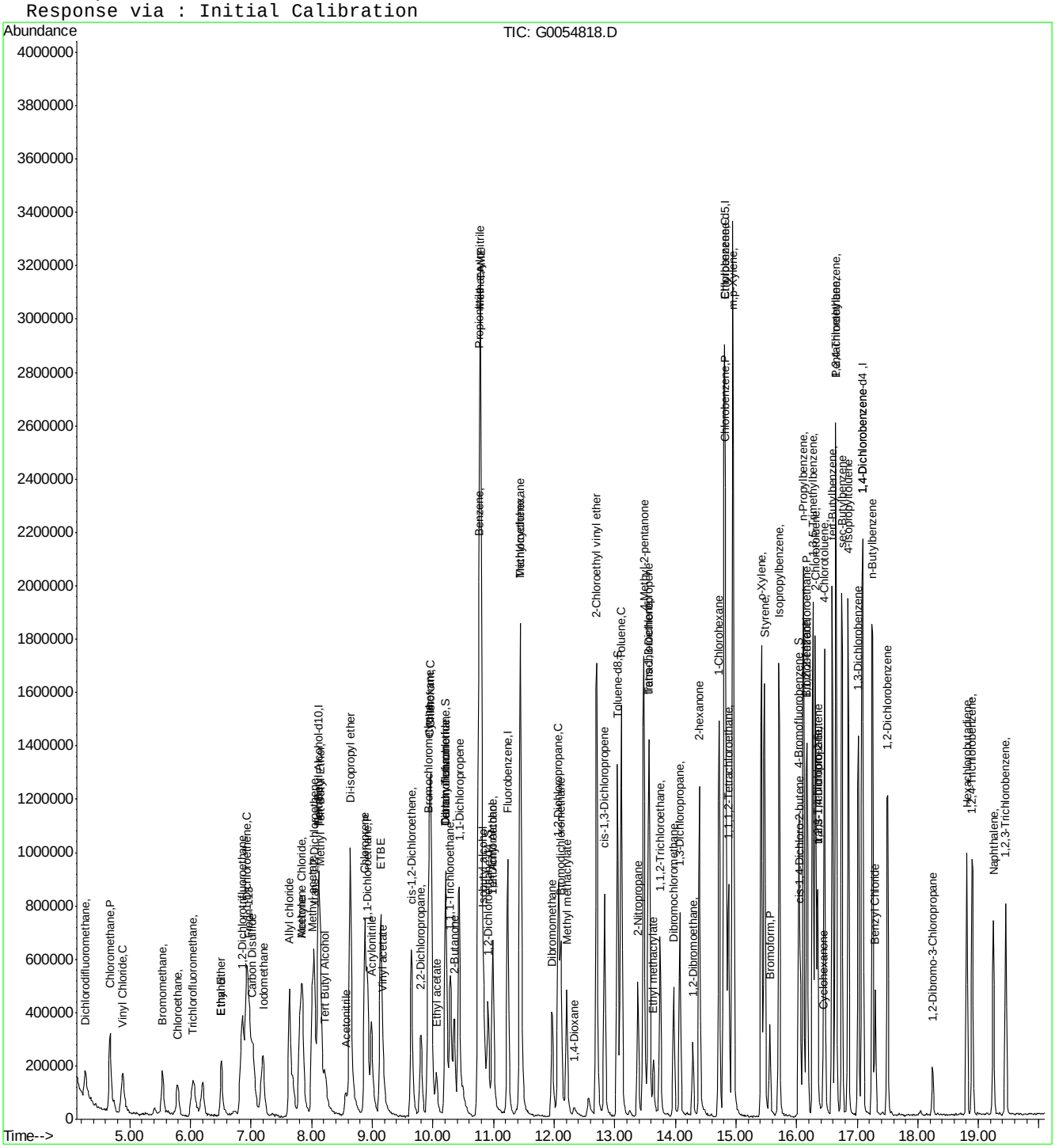
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	sec-Butylbenzene	16.74	105	1286030	55.52	ug/Kg	98
92)	4-Isopropyltoluene	16.85	119	945688	54.73	ug/Kg	99
93)	1,3-Dichlorobenzene	17.02	146	501394	50.30	ug/Kg	99
94)	1,4-Dichlorobenzene	17.10	146	498847	49.83	ug/Kg	99
95)	n-Butylbenzene	17.25	92	607847	54.49	ug/Kg	98
96)	Benzyl Chloride	17.31	126	54102	30.23	ug/Kg#	82
97)	1,2-Dichlorobenzene	17.50	146	444336	47.57	ug/Kg	93
98)	1,2-Dibromo-3-Chloropropan	18.24	75	41840	40.45	ug/Kg	97
99)	Hexachlorobutadiene	18.81	225	214716	48.35	ug/Kg	87
100)	1,2,4-Trichlorobenzene	18.90	180	306218	48.55	ug/Kg	97
101)	Naphthalene	19.25	128	530236	46.11	ug/Kg	99
102)	1,2,3-Trichlorobenzene	19.46	180	248320	45.14	ug/Kg	98
104)	Ethanol	6.51	45	173112	1072.23	ug/Kg	98
106)	Tert Butyl Alcohol	8.22	59	179533	462.86	ug/Kg	79
107)	Isobutyl alcohol	10.84	42	135901	1083.80	ug/Kg#	79
108)	Tert Amyl Alcohol	10.98	59	166544	498.18	ug/Kg	93
109)	1,4-Dioxane	12.33	88	29549	1095.37	ug/Kg#	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

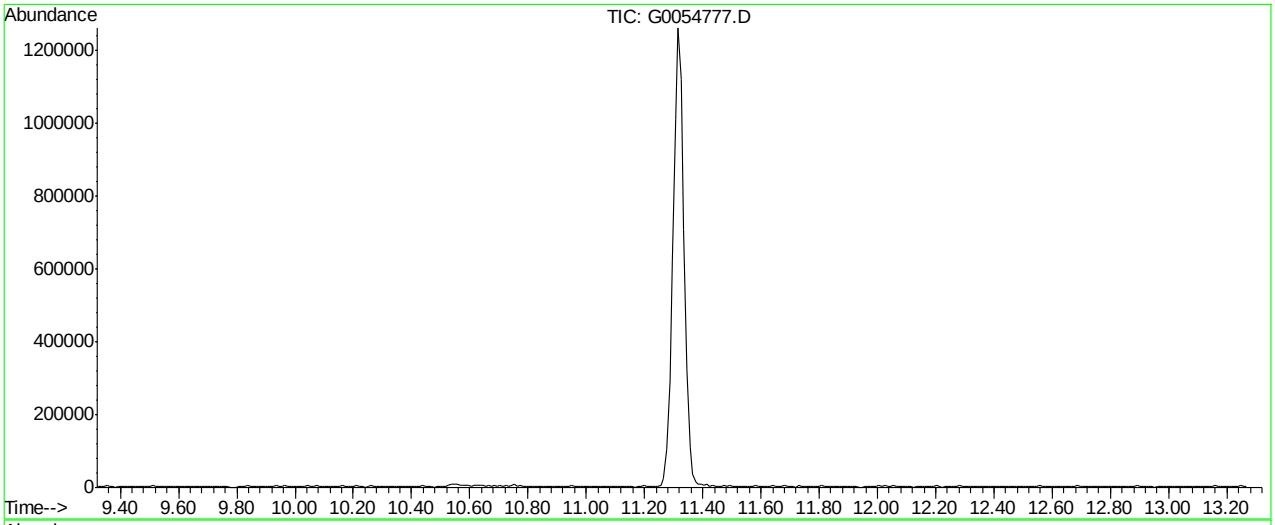
Data File : G:\HPCHEM\1\DATA\121208\G0054818.D Vial: 10
Acq On : 12 Dec 2008 1:52 pm Operator: MikeM
Sample : f61975-4msd Inst : MSVOA1
Misc : ms11045,vg2071,4.90,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 14:59 2008 Quant Results File: APP9-GR.RES

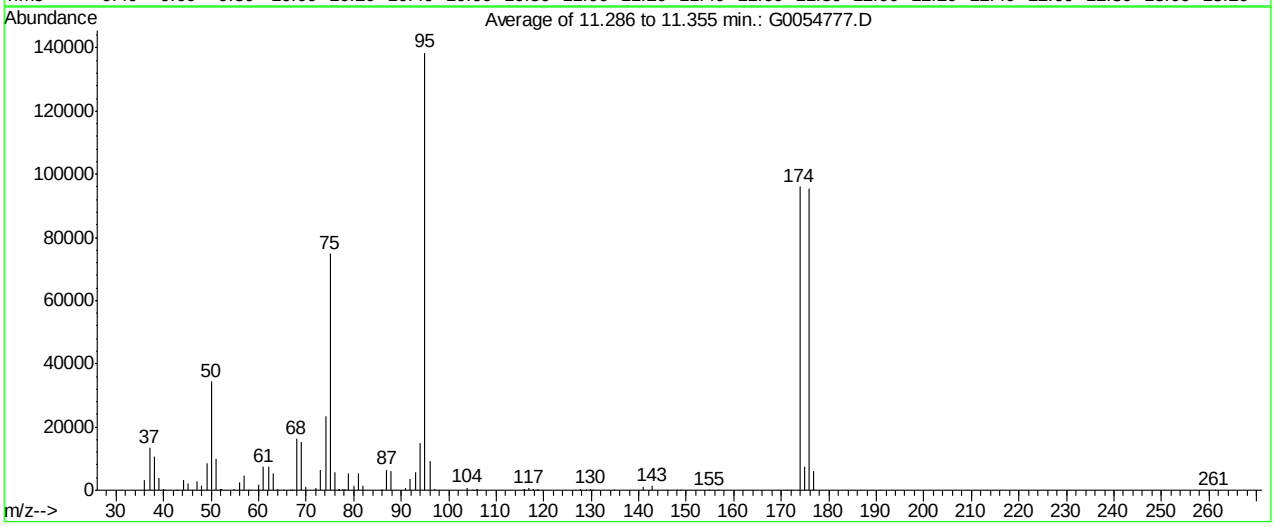
Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration



Methods: SW-846 8260B

```
Data File : G:\HPCHEM\1\DATA\121108\G0054777.D          Vial: 100
Acq On    : 11 Dec 2008  11:29 am                   Operator: MikeM
Sample    : bfb                                     Inst    : MSVOA1
Misc      : ms11045,vg2070,5.00,,,,,                Multiplr: 1.00
MS Integration Params: small.p
Method    : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title     : SW-846 Method 5035A/8260B
```





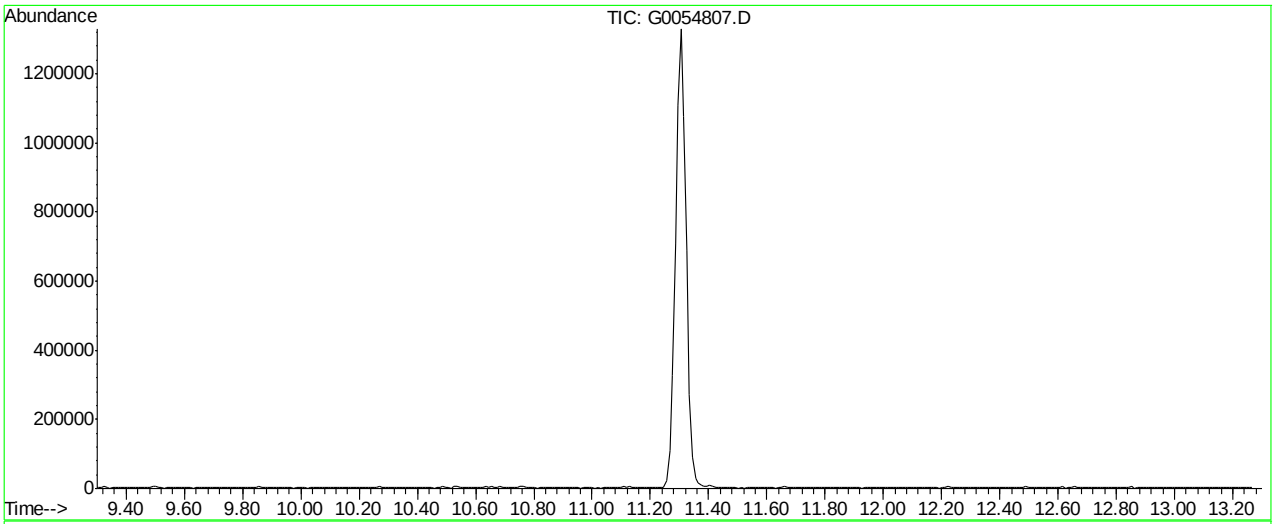
Spectrum Information: Average of 11.286 to 11.355 min.

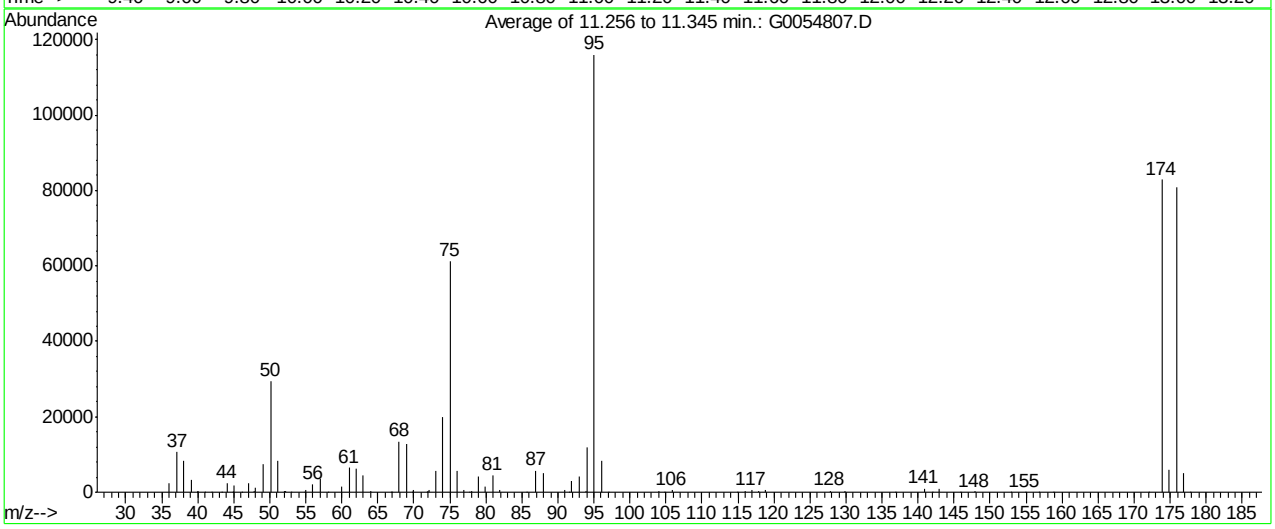
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.8	34324	PASS
75	95	30	60	53.9	74733	PASS
95	95	100	100	100.0	138564	PASS
96	95	5	9	6.6	9194	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	69.4	96147	PASS
175	174	5	9	7.7	7374	PASS
176	174	95	101	99.2	95380	PASS
177	176	5	9	6.2	5959	PASS

G0054777.D APP9-GR.M Thu Dec 11 13:47:08 2008

Methods: SW-846 8260B

```
Data File : G:\HPCHEM\1\DATA\121208\G0054807.D          Vial: 100
Acq On    : 12 Dec 2008   8:45 am                   Operator: MikeM
Sample    : bfb                                     Inst    : MSVOA1
Misc      : ms11045,vg2071,5.00,,,,,                Multiplr: 1.00
MS Integration Params: small.p
Method    : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title     : SW-846 Method 5035A/8260B
```





Spectrum Information: Average of 11.256 to 11.345 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.4	29506	PASS
75	95	30	60	52.9	61371	PASS
95	95	100	100	100.0	116034	PASS
96	95	5	9	7.2	8397	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	71.4	82833	PASS
175	174	5	9	7.3	6050	PASS
176	174	95	101	97.5	80787	PASS
177	176	5	9	6.2	5034	PASS

G0054807.D APP9-GR.M Fri Dec 12 12:43:11 2008

ACCUTEST Laboratories F61975

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054778.D Vial: 1
Acq On : 11 Dec 2008 11:47 am Operator: MikeM
Sample : ic2070-1 Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:04:25 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 09:15:06 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	11.25	96	595386	50.00	ug/Kg	0.02
54) Chlorobenzene-d5	14.83	117	468884	50.00	ug/Kg	0.02
76) 1,4-Dichlorobenzene-d4	17.09	152	230048	50.00	ug/Kg	0.00
103) Tert Butyl Alcohol-d10	8.14	65	113652	250.00	ug/Kg	0.00
System Monitoring Compounds						
35) Dibromofluoromethane	10.23	113	190924	51.25	ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 121		Recovery = 102.50%			
44) 1,2-Dichloroethane-d4	10.93	65	270315	55.94	ug/Kg	0.00
Spiked Amount 50.000	Range 77 - 123		Recovery = 111.88%			
55) Toluene-d8	13.07	98	604832	45.18	ug/Kg	0.02
Spiked Amount 50.000	Range 71 - 130		Recovery = 90.36%			
77) 4-Bromofluorobenzene	16.05	174	190491	49.32	ug/Kg	0.00
Spiked Amount 50.000	Range 59 - 148		Recovery = 98.64%			
Target Compounds						Qvalue
3) Chloromethane	4.69	50	37357	5.56	ug/Kg	81
4) Vinyl Chloride	4.88	62	25311	5.36	ug/Kg	93
5) Bromomethane	5.56	94	12086	6.27	ug/Kg	86
6) Chloroethane	5.82	64	12876	6.17	ug/Kg	76
7) Trichlorofluoromethane	6.08	101	21591	5.17	ug/Kg	81
8) Ethyl Ether	6.53	59	18665	6.21	ug/Kg	96
9) 1,2-Dichlorotrifluoroethan	6.89	67	37365	5.60	ug/Kg	97
10) 1,1-Dichloroethene	6.94	61	41038	5.28	ug/Kg	96
11) Freon 113	6.99	101	22857	5.57	ug/Kg	88
12) Carbon Disulfide	7.05	76	64621	4.44	ug/Kg	93
13) Iodomethane	7.22	142	42393	5.05	ug/Kg	90
14) Allyl chloride	7.65	41	29735	3.60	ug/Kg	98
15) Methylene Chloride	7.85	49	68011	8.81	ug/Kg	98
16) Acetone	7.88	43	106979	34.81	ug/Kg	95
17) Methyl acetate	8.03	43	146170	39.79	ug/Kg	95
18) trans-1,2-Dichloroethene	8.06	61	39957	5.23	ug/Kg	96
19) Hexane	8.13	56	23269	5.56	ug/Kg#	60
20) Methyl Tert Butyl Ether	8.17	73	65289	6.10	ug/Kg	96
21) Acetonitrile	8.58	41	28597	104.09	ug/Kg	90
22) Di-isopropyl ether	8.66	45	112347	5.10	ug/Kg	97
23) Chloroprene	8.90	53	36472	4.32	ug/Kg	93
24) 1,1-Dichloroethane	8.94	63	45362	4.79	ug/Kg	94
25) Acrylonitrile	9.00	53	43242	26.13	ug/Kg	94
26) ETBE	9.16	59	91388	5.45	ug/Kg	93
27) Vinyl acetate	9.20	43	230765	27.81	ug/Kg	99
28) cis-1,2-Dichloroethene	9.68	96	19976	4.40	ug/Kg	92
29) 2,2-Dichloropropane	9.81	77	13947	4.78	ug/Kg	96
30) Bromochloromethane	9.94	128	12005	5.02	ug/Kg	81
31) Cyclohexane	9.97	56	43551	4.99	ug/Kg	83
32) Chloroform	9.99	83	44874	5.13	ug/Kg	91
33) Ethyl acetate	10.08	43	145977	54.38	ug/Kg	96
34) Tetrahydrofuran	10.24	42	18048	8.61	ug/Kg	91
36) Carbon Tetrachloride	10.23	117	29432	4.72	ug/Kg	90
37) 1,1,1-Trichloroethane	10.31	97	30061	4.97	ug/Kg	92

(#) = qualifier out of range (m) = manual integration
G0054778.D APP9-GR.M Thu Dec 11 15:16:06 2008 Page 1

ACCUTEST Laboratories F61975

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054778.D Vial: 1
Acq On : 11 Dec 2008 11:47 am Operator: MikeM
Sample : ic2070-1 Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:04:25 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 09:15:06 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
38)	2-Butanone	10.38	43	121560	31.70	ug/Kg	94
39)	1,1-Dichloropropene	10.45	75	34037	5.03	ug/Kg	88
40)	Propionitrile	10.78	54	42136	70.04	ug/Kg	82
41)	Methacrylonitrile	10.80	41	274295	60.93	ug/Kg	96
42)	Benzene	10.77	78	85204	5.33	ug/Kg	97
43)	TAME	10.82	73	71527	5.78	ug/Kg	95
45)	1,2-Dichloroethane	11.01	62	42969	5.62	ug/Kg	95
46)	Trichloroethene	11.46	95	25975	5.56	ug/Kg	79
47)	Methylcyclohexane	11.47	83	29978	4.53	ug/Kg	90
48)	Dibromomethane	11.98	93	14465	4.89	ug/Kg	91
49)	1,2-Dichloropropane	12.09	63	25874	4.90	ug/Kg	94
50)	Bromodichloromethane	12.12	83	27349	4.22	ug/Kg	96
51)	Methyl methacrylate	12.22	41	32944	5.98	ug/Kg	87
52)	2-Chloroethyl vinyl ether	12.71	63	52529	27.17	ug/Kg	93
53)	cis-1,3-Dichloropropene	12.85	75	30983	4.26	ug/Kg	89
56)	Toluene	13.13	91	82062	4.68	ug/Kg	99
57)	2-Nitropropane	13.40	41	38343	27.07	ug/Kg	87
58)	4-Methyl-2-pentanone	13.50	43	202074	31.80	ug/Kg	95
59)	trans-1,3-Dichloropropene	13.57	75	29777	4.55	ug/Kg	81
60)	Tetrachloroethene	13.59	166	20786	4.54	ug/Kg	94
61)	Ethyl methacrylate	13.66	69	27450	4.67	ug/Kg#	85
62)	1,1,2-Trichloroethane	13.77	83	18786	5.26	ug/Kg	93
63)	Dibromochloromethane	13.99	129	20366	4.47	ug/Kg	91
64)	1,3-Dichloropropane	14.09	76	35042	4.80	ug/Kg	94
65)	1,2-Dibromoethane	14.31	107	19453	4.88	ug/Kg	99
66)	2-hexanone	14.42	43	165136	31.78	ug/Kg	99
67)	1-Chlorohexane	14.74	91	27287	4.29	ug/Kg	90
68)	Ethylbenzene	14.82	91	85492	4.49	ug/Kg	91
69)	Chlorobenzene	14.84	112	48242	4.69	ug/Kg	74
70)	1,1,1,2-Tetrachloroethane	14.89	131	16496	4.20	ug/Kg	80
71)	m,p-Xylene	14.97	91	149062	9.67	ug/Kg	97
72)	o-Xylene	15.43	91	74341	4.67	ug/Kg	97
73)	Styrene	15.48	104	45998	4.33	ug/Kg	92
74)	Bromoform	15.57	173	9573	3.50	ug/Kg	83
75)	Isopropylbenzene	15.73	105	69492	4.56	ug/Kg	99
78)	cis-1,4-Dichloro-2-butene	16.07	53	11734	5.70	ug/Kg#	49
79)	n-Propylbenzene	16.12	91	107247	4.88	ug/Kg	89
80)	Bromobenzene	16.18	156	20964	5.05	ug/Kg	98
81)	1,1,2,2-Tetrachloroethane	16.19	83	27368	5.74	ug/Kg	97
82)	1,3,5-Trimethylbenzene	16.28	105	66361	4.72	ug/Kg	96
83)	2-Chlorotoluene	16.32	91	75430	4.90	ug/Kg	98
84)	trans-1,4-Dichloro-2-Buten	16.36	53	8331	9.83	ug/Kg#	85
85)	1,2,3-Trichloropropane	16.36	110	6890	6.82	ug/Kg	87
86)	Cyclohexanone	16.44	55	6742	43.56	ug/Kg#	78
87)	4-Chlorotoluene	16.47	91	66511	4.79	ug/Kg	97
88)	tert-Butylbenzene	16.60	91	48562	4.88	ug/Kg	96
89)	1,2,4-Trimethylbenzene	16.65	105	67453	4.75	ug/Kg	94
90)	Pentachloroethane	16.66	167	10794	4.42	ug/Kg#	45
91)	sec-Butylbenzene	16.75	105	84036	4.70	ug/Kg	99

(#) = qualifier out of range (m) = manual integration
G0054778.D APP9-GR.M Thu Dec 11 15:16:07 2008 Page 2

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054778.D Vial: 1
Acq On : 11 Dec 2008 11:47 am Operator: MikeM
Sample : ic2070-1 Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:04:25 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 09:15:06 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

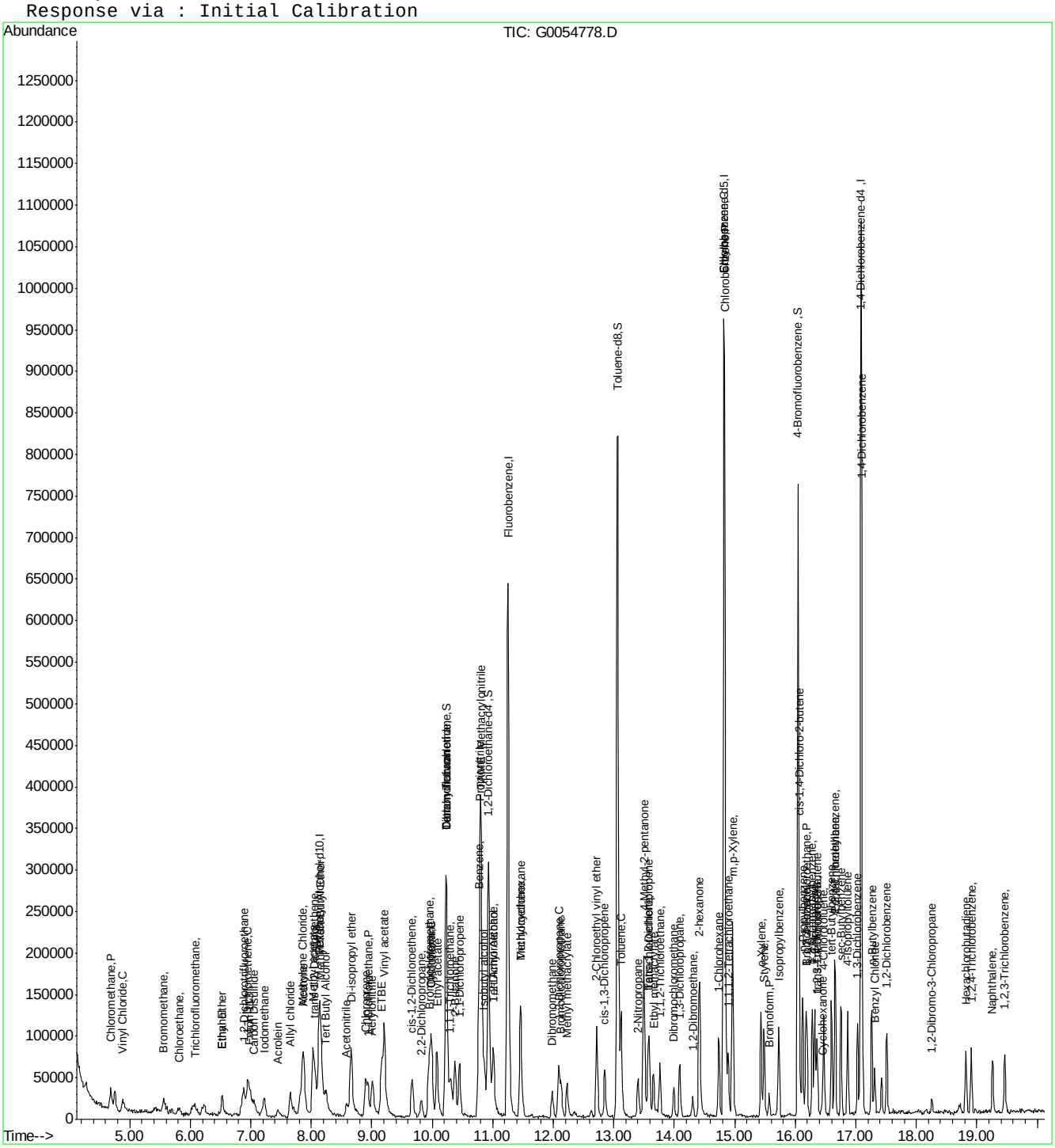
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
92)	4-Isopropyltoluene	16.86	119	61989	4.67	ug/Kg	94
93)	1,3-Dichlorobenzene	17.03	146	36796	4.97	ug/Kg	97
94)	1,4-Dichlorobenzene	17.11	146	37845	5.12	ug/Kg	90
95)	n-Butylbenzene	17.27	92	35061	3.90	ug/Kg	96
96)	Benzyl Chloride	17.32	126	5783	4.38	ug/Kg#	55
97)	1,2-Dichlorobenzene	17.51	146	34370	5.00	ug/Kg	97
98)	1,2-Dibromo-3-Chloropropan	18.26	75	5481	6.62	ug/Kg#	82
99)	Hexachlorobutadiene	18.82	225	16333	4.81	ug/Kg	93
100)	1,2,4-Trichlorobenzene	18.91	180	22788	4.98	ug/Kg	96
101)	Naphthalene	19.26	128	47406	5.41	ug/Kg	97
102)	1,2,3-Trichlorobenzene	19.46	180	21483	5.33	ug/Kg	93
104)	Ethanol	6.53	45	18637	83.36	ug/Kg	95
105)	Acrolein	7.45	56	10050	17.97	ug/Kg	78
106)	Tert Butyl Alcohol	8.25	59	35084	56.24	ug/Kg	93
107)	Isobutyl alcohol	10.86	42	19294	93.95	ug/Kg#	90
108)	Tert Amyl Alcohol	11.00	59	26160	47.62	ug/Kg	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054778.D Vial: 1
Acq On : 11 Dec 2008 11:47 am Operator: MikeM
Sample : ic2070-1 Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:05 2008 Quant Results File: APP9-GR.RES

Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:10:45 2008
Response via : Initial Calibration

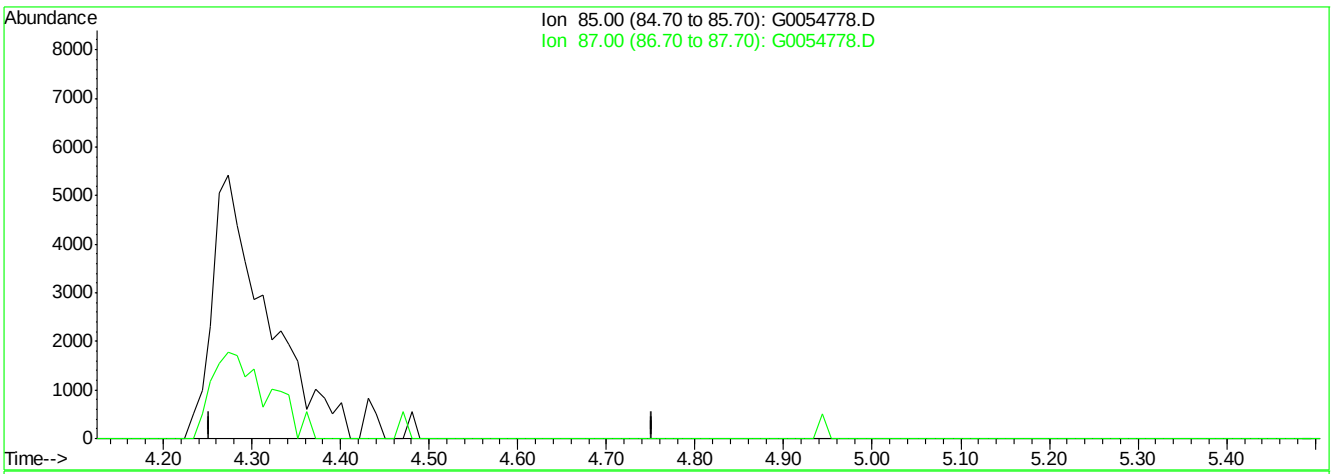


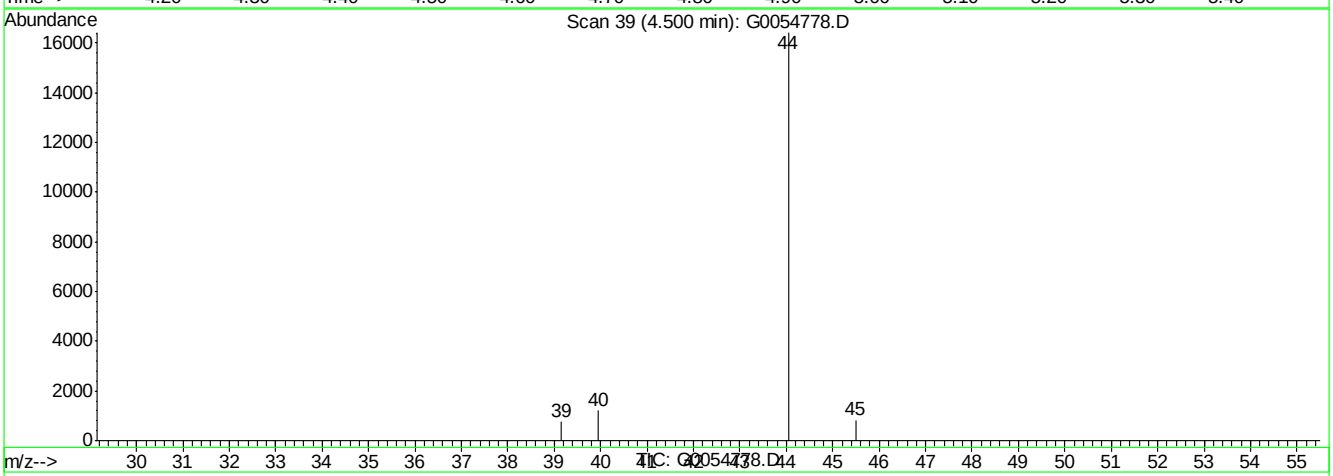
ACCUTEST Laboratories F61975

Quantitation Report (Qedit)

Data File : G:\HPCHEM\1\DATA\121108\G0054778.D Vial: 1
Acq On : 11 Dec 2008 11:47 am Operator: MikeM
Sample : ic2070-1 Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:03 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:05:29 2008
Response via : Multiple Level Calibration





(2) Dichlorodifluoromethane ( )

4.50min (-4.502) 0.00ug/Kg

response 0

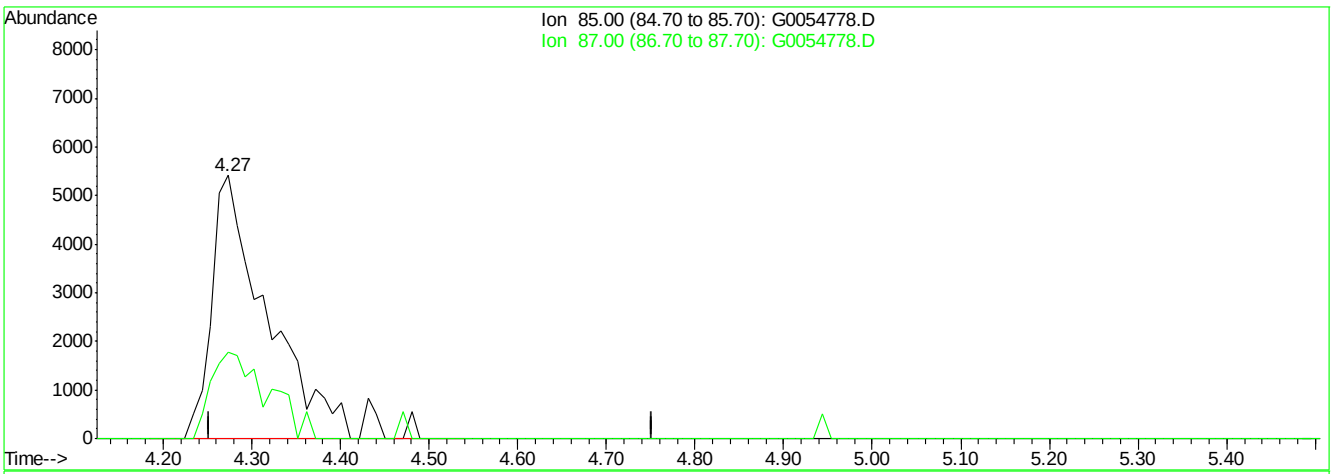
Ion	Exp%	Act%
85.00	100	0.00
87.00	35.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

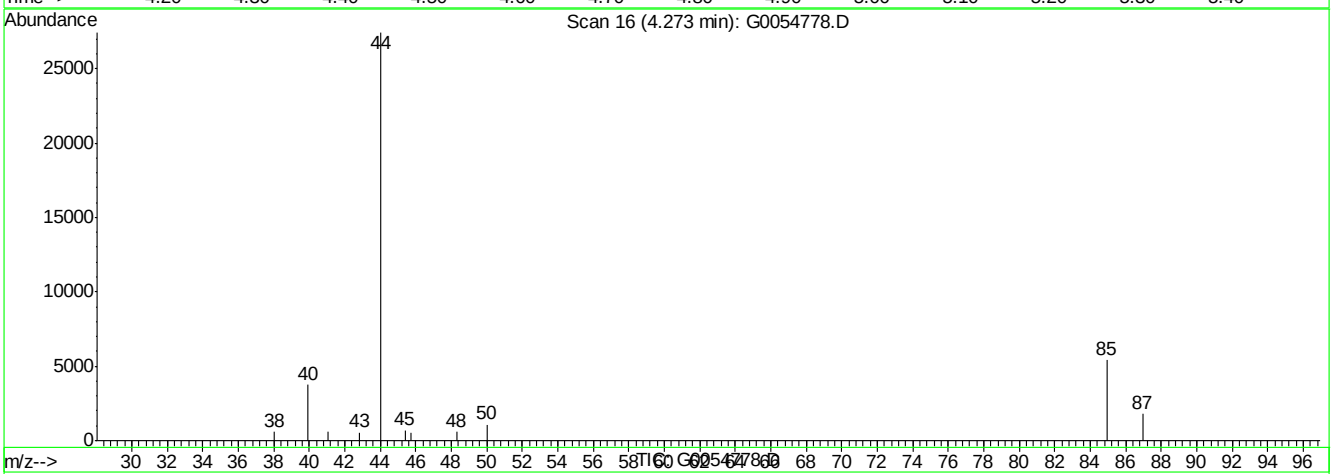
G0054778.D APP9-GR.M Thu Dec 11 15:05:52 2008

Quantitation Report (Qedit)

Data File : G:\HPCHEM\1\DATA\121108\G0054778.D Vial: 1
Acq On : 11 Dec 2008 11:47 am Operator: MikeM
Sample : ic2070-1 Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:05 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:05:29 2008
Response via : Multiple Level Calibration





(2) Dichlorodifluoromethane ( )

4.27min (-0.229) 0.00ug/Kg m

response 24530

Ion	Exp%	Act%
85.00	100	100
87.00	35.60	32.79
0.00	0.00	0.00
0.00	0.00	0.00

G0054778.D APP9-GR.M Thu Dec 11 15:05:58 2008

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054779.D Vial: 2
Acq On : 11 Dec 2008 12:12 pm Operator: MikeM
Sample : ic2070-2 Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:05:19 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:05:18 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	11.25	96	595782	50.00	ug/Kg	0.02
54) Chlorobenzene-d5	14.82	117	457158	50.00	ug/Kg	0.00
76) 1,4-Dichlorobenzene-d4	17.09	152	228232	50.00	ug/Kg	0.00
103) Tert Butyl Alcohol-d10	8.14	65	92374	250.00	ug/Kg	0.00
System Monitoring Compounds						
35) Dibromofluoromethane	10.24	113	193374	50.61	ug/Kg	0.02
Spiked Amount 50.000	Range 80 - 121		Recovery = 101.22%			
44) 1,2-Dichloroethane-d4	10.93	65	264597	48.91	ug/Kg	0.00
Spiked Amount 50.000	Range 77 - 123		Recovery = 97.82%			
55) Toluene-d8	13.06	98	620598	52.62	ug/Kg	0.00
Spiked Amount 50.000	Range 71 - 130		Recovery = 105.24%			
77) 4-Bromofluorobenzene	16.04	174	198141	52.42	ug/Kg	0.00
Spiked Amount 50.000	Range 59 - 148		Recovery = 104.84%			
Target Compounds						Qvalue
3) Chloromethane	4.69	50	144669	19.35	ug/Kg	94
4) Vinyl Chloride	4.89	62	97878	19.32	ug/Kg	97
5) Bromomethane	5.56	94	49240	20.36	ug/Kg	98
6) Chloroethane	5.80	64	50266	19.51	ug/Kg	93
7) Trichlorofluoromethane	6.07	101	87758	20.31	ug/Kg	85
8) Ethyl Ether	6.53	59	68732	18.40	ug/Kg	91
9) 1,2-Dichlorotrifluoroethan	6.89	67	149829	20.04	ug/Kg	94
10) 1,1-Dichloroethene	6.95	61	148898	18.13	ug/Kg	96
11) Freon 113	6.98	101	80065	17.50	ug/Kg	98
12) Carbon Disulfide	7.05	76	286246	22.13	ug/Kg	92
13) Iodomethane	7.22	142	175197	20.65	ug/Kg	97
14) Allyl chloride	7.65	41	173527	29.16	ug/Kg	97
15) Methylene Chloride	7.86	49	198458	14.58	ug/Kg	92
17) Methyl acetate	8.02	43	492210	84.13	ug/Kg	99
18) trans-1,2-Dichloroethene	8.07	61	152639	19.09	ug/Kg	98
19) Hexane	8.14	56	93319	20.04	ug/Kg#	93
20) Methyl Tert Butyl Ether	8.16	73	249082	19.06	ug/Kg	83
21) Acetonitrile	8.57	41	71850	125.54	ug/Kg	98
22) Di-isopropyl ether	8.66	45	449406	19.99	ug/Kg	98
23) Chloroprene	8.90	53	159957	21.91	ug/Kg	97
24) 1,1-Dichloroethane	8.94	63	182984	20.16	ug/Kg	99
26) ETBE	9.16	59	356934	19.52	ug/Kg	95
27) Vinyl acetate	9.20	43	817078	88.46	ug/Kg	97
28) cis-1,2-Dichloroethene	9.67	96	91601	22.91	ug/Kg	98
29) 2,2-Dichloropropane	9.82	77	68314	24.47	ug/Kg	97
30) Bromochloromethane	9.93	128	49807	20.73	ug/Kg#	84
31) Cyclohexane	9.97	56	170177	19.52	ug/Kg	95
32) Chloroform	9.99	83	171272	19.07	ug/Kg	96
33) Ethyl acetate	10.07	43	481691	82.44	ug/Kg	99
36) Carbon Tetrachloride	10.23	117	97897	16.62	ug/Kg	89
37) 1,1,1-Trichloroethane	10.31	97	120793	20.08	ug/Kg	96
39) 1,1-Dichloropropene	10.44	75	132187	19.41	ug/Kg	96
42) Benzene	10.76	78	316556	18.56	ug/Kg	98
43) TAME	10.82	73	274442	19.17	ug/Kg	98

(#) = qualifier out of range (m) = manual integration
G0054779.D APP9-GR.M Thu Dec 11 15:16:17 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054779.D Vial: 2
Acq On : 11 Dec 2008 12:12 pm Operator: MikeM
Sample : ic2070-2 Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:05:19 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:05:18 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
45) 1,2-Dichloroethane	11.01	62	159190	18.51	ug/Kg	97
46) Trichloroethene	11.45	95	93607	18.01	ug/Kg	86
47) Methylcyclohexane	11.46	83	126003	21.00	ug/Kg	92
48) Dibromomethane	11.98	93	62808	21.70	ug/Kg	97
49) 1,2-Dichloropropane	12.09	63	107654	20.79	ug/Kg	94
50) Bromodichloromethane	12.13	83	132305	24.17	ug/Kg	98
51) Methyl methacrylate	12.22	41	122657	18.60	ug/Kg	98
52) 2-Chloroethyl vinyl ether	12.71	63	218908	104.12	ug/Kg	98
53) cis-1,3-Dichloropropene	12.85	75	140693	22.69	ug/Kg	97
56) Toluene	13.13	91	319115	19.94	ug/Kg	99
57) 2-Nitropropane	13.40	41	147031	98.32	ug/Kg	94
58) 4-Methyl-2-pentanone	13.49	43	679312	86.20	ug/Kg	97
59) trans-1,3-Dichloropropene	13.57	75	127385	21.94	ug/Kg	84
60) Tetrachloroethene	13.59	166	81680	20.15	ug/Kg	99
61) Ethyl methacrylate	13.65	69	111032	20.74	ug/Kg	92
62) 1,1,2-Trichloroethane	13.77	83	64104	17.50	ug/Kg	94
63) Dibromochloromethane	13.99	129	84546	21.29	ug/Kg	96
64) 1,3-Dichloropropane	14.08	76	142294	20.82	ug/Kg	96
65) 1,2-Dibromoethane	14.30	107	80352	21.18	ug/Kg	96
66) 2-hexanone	14.41	43	563763	87.54	ug/Kg	98
67) 1-Chlorohexane	14.73	91	109202	20.52	ug/Kg	93
68) Ethylbenzene	14.81	91	347924	20.87	ug/Kg	100
69) Chlorobenzene	14.84	112	193887	20.61	ug/Kg	90
70) 1,1,1,2-Tetrachloroethane	14.89	131	70361	21.87	ug/Kg	95
71) m,p-Xylene	14.96	91	572853	39.42	ug/Kg	99
72) o-Xylene	15.43	91	291369	20.10	ug/Kg	99
73) Styrene	15.48	104	202483	22.57	ug/Kg	93
74) Bromoform	15.57	173	51897	27.80	ug/Kg	93
75) Isopropylbenzene	15.72	105	276297	20.39	ug/Kg	98
78) cis-1,4-Dichloro-2-butene	16.07	53	42428	18.22	ug/Kg	95
79) n-Propylbenzene	16.12	91	426650	20.05	ug/Kg	96
80) Bromobenzene	16.18	156	83900	20.17	ug/Kg	99
81) 1,1,2,2-Tetrachloroethane	16.19	83	100674	18.54	ug/Kg	97
82) 1,3,5-Trimethylbenzene	16.28	105	273145	20.74	ug/Kg	99
83) 2-Chlorotoluene	16.32	91	292875	19.57	ug/Kg	97
84) trans-1,4-Dichloro-2-Buten	16.36	53	36787	44.51	ug/Kg	93
85) 1,2,3-Trichloropropane	16.35	110	23725	17.35	ug/Kg	96
86) Cyclohexanone	16.44	55	17566	65.65	ug/Kg	90
87) 4-Chlorotoluene	16.47	91	272719	20.66	ug/Kg	100
88) tert-Butylbenzene	16.60	91	191407	19.86	ug/Kg	97
89) 1,2,4-Trimethylbenzene	16.66	105	273258	20.42	ug/Kg	97
90) Pentachloroethane	16.67	167	50766	23.70	ug/Kg	95
91) sec-Butylbenzene	16.75	105	345159	20.70	ug/Kg	100
92) 4-Isopropyltoluene	16.86	119	256662	20.87	ug/Kg	98
93) 1,3-Dichlorobenzene	17.03	146	144443	19.78	ug/Kg	97
94) 1,4-Dichlorobenzene	17.10	146	144717	19.27	ug/Kg	86
95) n-Butylbenzene	17.26	92	158112	22.73	ug/Kg	94
96) Benzyl Chloride	17.32	126	27155	23.67	ug/Kg#	79
97) 1,2-Dichlorobenzene	17.51	146	138200	20.26	ug/Kg	97

(#) = qualifier out of range (m) = manual integration
G0054779.D APP9-GR.M Thu Dec 11 15:16:17 2008 Page 2

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054779.D Vial: 2
Acq On : 11 Dec 2008 12:12 pm Operator: MikeM
Sample : ic2070-2 Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:05:19 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:05:18 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

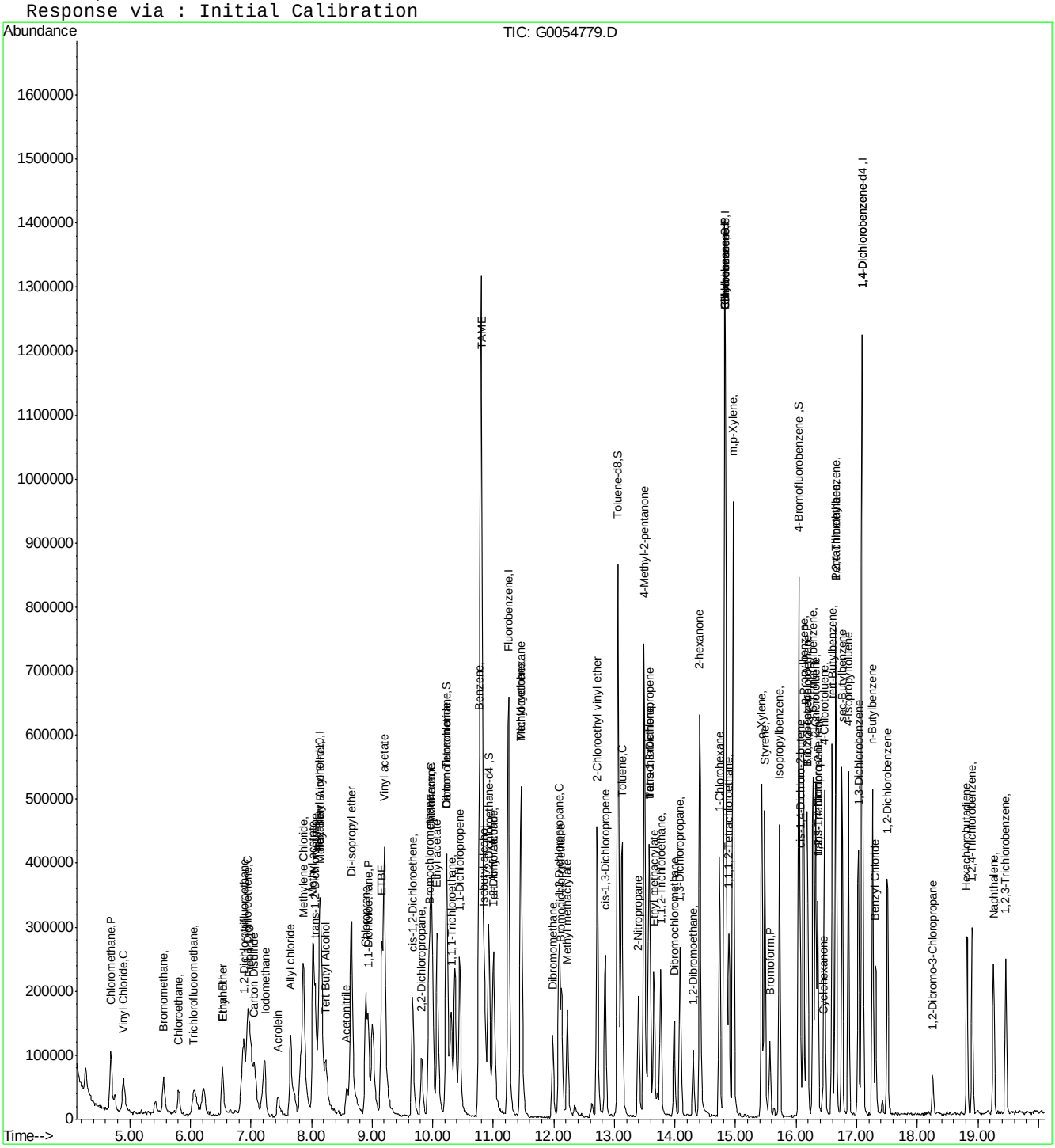
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
98)	1,2-Dibromo-3-Chloropropan	18.25	75	16999	15.63	ug/Kg	88
99)	Hexachlorobutadiene	18.82	225	62315	19.23	ug/Kg	97
100)	1,2,4-Trichlorobenzene	18.91	180	91901	20.32	ug/Kg	98
101)	Naphthalene	19.26	128	163926	17.43	ug/Kg	99
102)	1,2,3-Trichlorobenzene	19.46	180	79943	18.75	ug/Kg	96
104)	Ethanol	6.53	45	68277	450.74	ug/Kg	95
105)	Acrolein	7.45	56	43874	134.28	ug/Kg	96
106)	Tert Butyl Alcohol	8.25	59	105319	184.67	ug/Kg	85
107)	Isobutyl alcohol	10.86	42	59171	377.32	ug/Kg	99
108)	Tert Amyl Alcohol	11.00	59	87615	206.03	ug/Kg	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed
G0054779.D APP9-GR.M Thu Dec 11 15:16:17 2008 Page 3

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054779.D Vial: 2
Acq On : 11 Dec 2008 12:12 pm Operator: MikeM
Sample : ic2070-2 Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:05 2008 Quant Results File: APP9-GR.RES

Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:10:45 2008
Response via : Initial Calibration

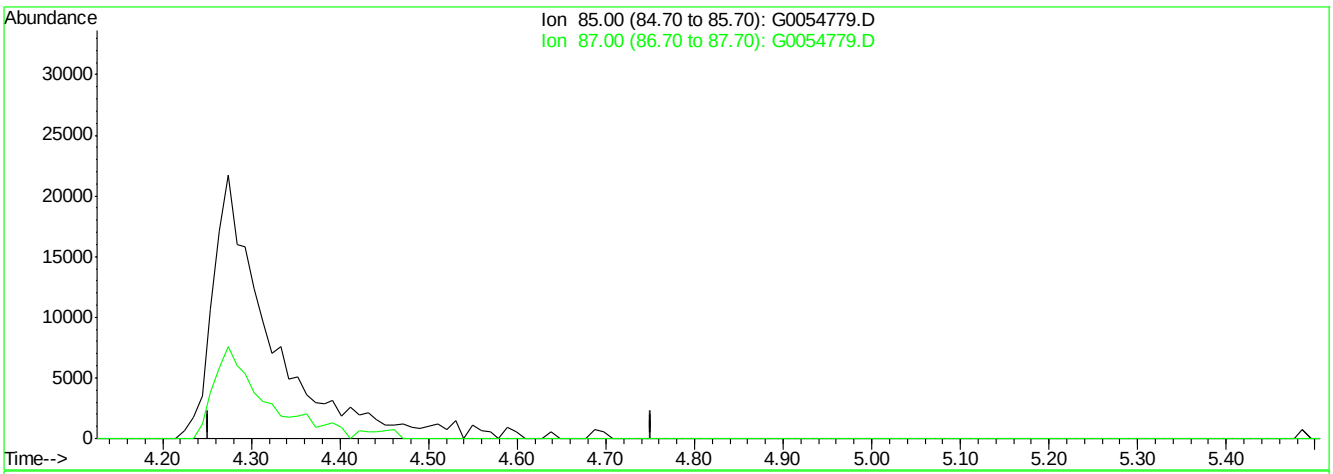


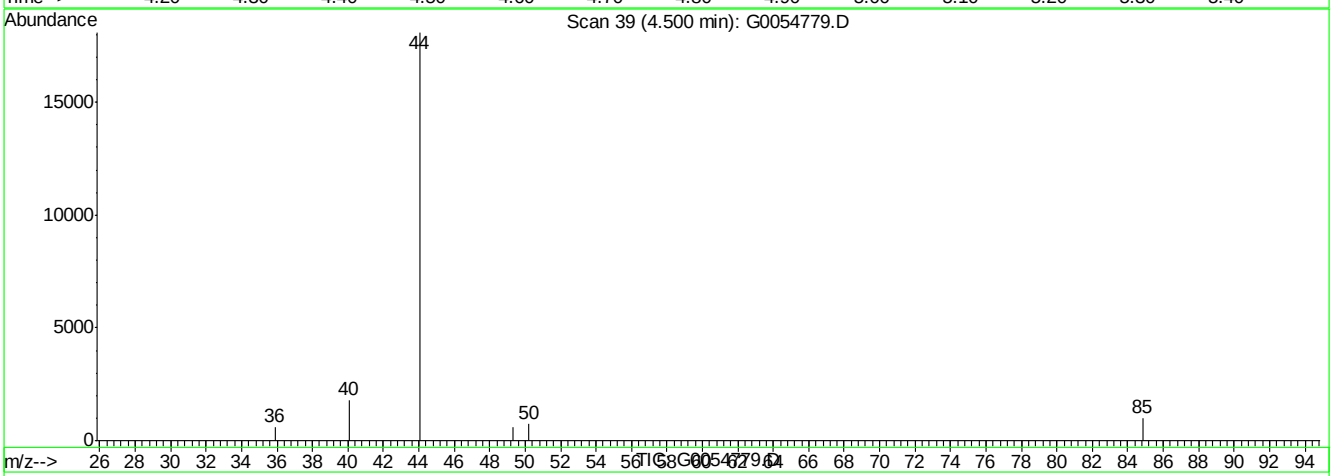
ACCUTEST Laboratories F61975

Quantitation Report (Qedit)

Data File : G:\HPCHEM\1\DATA\121108\G0054779.D Vial: 2
Acq On : 11 Dec 2008 12:12 pm Operator: MikeM
Sample : ic2070-2 Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:04 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:05:29 2008
Response via : Multiple Level Calibration





(2) Dichlorodifluoromethane ( )

4.50min (-4.502) 0.00ug/Kg

response 0

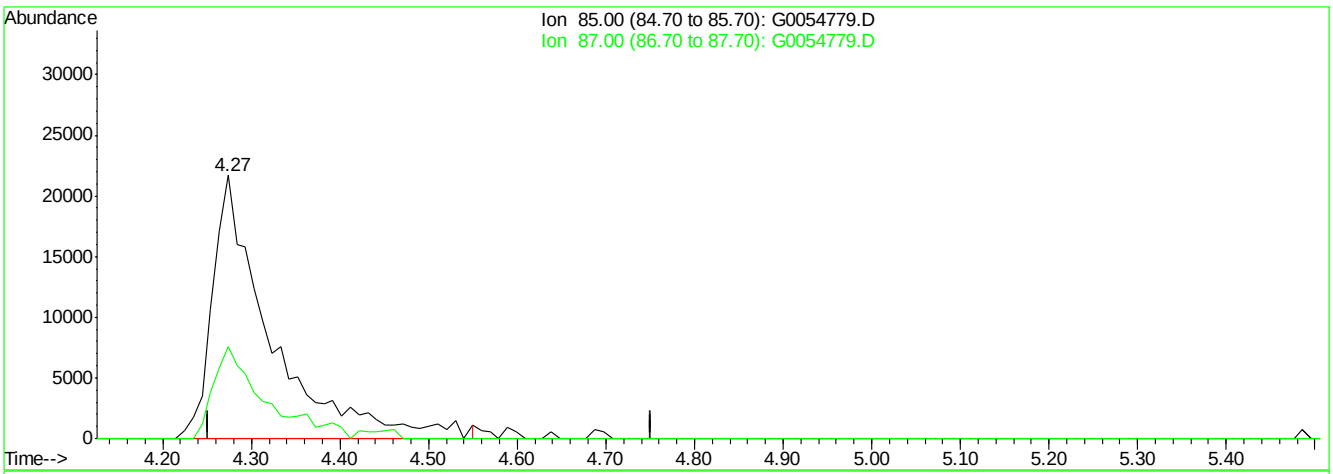
Ion	Exp%	Act%
85.00	100	0.00
87.00	35.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

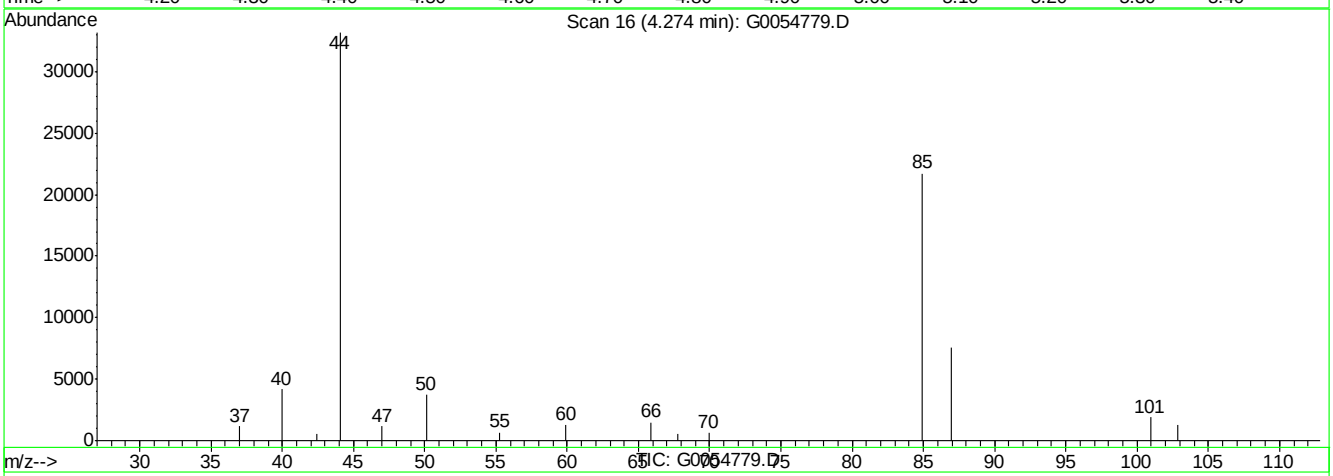
G0054779.D APP9-GR.M Thu Dec 11 15:06:06 2008

Quantitation Report (Qedit)

Data File : G:\HPCHEM\1\DATA\121108\G0054779.D Vial: 2
Acq On : 11 Dec 2008 12:12 pm Operator: MikeM
Sample : ic2070-2 Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:05 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:05:29 2008
Response via : Multiple Level Calibration





(2) Dichlorodifluoromethane ( )

4.27min (-0.228) 0.00ug/Kg m

response 98835

Ion	Exp%	Act%
85.00	100	100
87.00	35.60	34.93
0.00	0.00	0.00
0.00	0.00	0.00

G0054779.D APP9-GR.M Thu Dec 11 15:06:11 2008

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054780.D Vial: 3
Acq On : 11 Dec 2008 12:37 pm Operator: MikeM
Sample : ic2070-3 Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:05:21 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:05:20 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	11.24	96	615915	50.00	ug/Kg	0.00
54) Chlorobenzene-d5	14.82	117	446305	50.00	ug/Kg	0.00
76) 1,4-Dichlorobenzene-d4	17.09	152	226865	50.00	ug/Kg	0.00
103) Tert Butyl Alcohol-d10	8.13	65	84343	250.00	ug/Kg	0.00
System Monitoring Compounds						
35) Dibromofluoromethane	10.23	113	199682	50.25	ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 121		Recovery = 100.50%			
44) 1,2-Dichloroethane-d4	10.93	65	276018	49.90	ug/Kg	0.00
Spiked Amount 50.000	Range 77 - 123		Recovery = 99.80%			
55) Toluene-d8	13.06	98	629521	53.28	ug/Kg	0.00
Spiked Amount 50.000	Range 71 - 130		Recovery = 106.56%			
77) 4-Bromofluorobenzene	16.04	174	196612	51.09	ug/Kg	0.00
Spiked Amount 50.000	Range 59 - 148		Recovery = 102.18%			
Target Compounds						Qvalue
3) Chloromethane	4.69	50	350095	46.04	ug/Kg	99
4) Vinyl Chloride	4.89	62	246215	47.83	ug/Kg	96
5) Bromomethane	5.56	94	114063	45.21	ug/Kg	98
6) Chloroethane	5.80	64	119371	45.37	ug/Kg	98
7) Trichlorofluoromethane	6.08	101	216618	48.12	ug/Kg	95
8) Ethyl Ether	6.52	59	161372	43.53	ug/Kg#	84
9) 1,2-Dichlorotrifluoroethan	6.88	67	371472	48.01	ug/Kg	96
10) 1,1-Dichloroethene	6.95	61	385660	47.65	ug/Kg	99
11) Freon 113	6.98	101	208016	46.92	ug/Kg	93
12) Carbon Disulfide	7.05	76	733743	52.10	ug/Kg	97
13) Iodomethane	7.21	142	441123	49.49	ug/Kg	99
14) Allyl chloride	7.65	41	425351	56.26	ug/Kg	95
15) Methylene Chloride	7.84	49	424482	40.49	ug/Kg	97
16) Acetone	7.87	43	731078	Below Cal		96
17) Methyl acetate	8.02	43	1074037	192.88	ug/Kg	99
18) trans-1,2-Dichloroethene	8.06	61	393063	48.66	ug/Kg	99
19) Hexane	8.13	56	206994	42.95	ug/Kg#	93
20) Methyl Tert Butyl Ether	8.16	73	602527	45.68	ug/Kg	94
21) Acetonitrile	8.58	41	171088	445.14	ug/Kg	96
22) Di-isopropyl ether	8.65	45	1128236	48.55	ug/Kg	99
23) Chloroprene	8.90	53	400317	50.63	ug/Kg	96
24) 1,1-Dichloroethane	8.94	63	467554	49.62	ug/Kg	99
25) Acrylonitrile	9.01	53	374994	248.26	ug/Kg	94
26) ETBE	9.15	59	881378	47.19	ug/Kg	99
27) Vinyl acetate	9.19	43	2312798	257.04	ug/Kg	100
28) cis-1,2-Dichloroethene	9.67	96	230542	52.00	ug/Kg	96
29) 2,2-Dichloropropane	9.81	77	161363	50.29	ug/Kg	98
30) Bromochloromethane	9.94	128	129484	51.20	ug/Kg	99
31) Cyclohexane	9.96	56	421249	47.31	ug/Kg	94
32) Chloroform	9.99	83	445239	49.10	ug/Kg	99
33) Ethyl acetate	10.07	43	1193222	236.65	ug/Kg	99
34) Tetrahydrofuran	10.23	42	71049	Below Cal		98
36) Carbon Tetrachloride	10.22	117	302612	54.28	ug/Kg	98
37) 1,1,1-Trichloroethane	10.31	97	301156	48.33	ug/Kg	91

(#) = qualifier out of range (m) = manual integration
G0054780.D APP9-GR.M Thu Dec 11 15:16:25 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054780.D Vial: 3
Acq On : 11 Dec 2008 12:37 pm Operator: MikeM
Sample : ic2070-3 Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:05:21 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:05:20 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
38) 2-Butanone	10.37	43	929992	Below Cal	93
39) 1,1-Dichloropropene	10.44	75	333327	48.05 ug/Kg	89
40) Propionitrile	10.77	54	290935	Below Cal	94
41) Methacrylonitrile	10.80	41	2159668	Below Cal	96
42) Benzene	10.76	78	809570	47.63 ug/Kg	98
43) TAME	10.82	73	663329	45.77 ug/Kg	97
45) 1,2-Dichloroethane	11.01	62	389846	45.55 ug/Kg	92
46) Trichloroethene	11.45	95	234923	46.01 ug/Kg	95
47) Methylcyclohexane	11.46	83	324145	50.98 ug/Kg	94
48) Dibromomethane	11.98	93	154876	49.65 ug/Kg	93
49) 1,2-Dichloropropane	12.08	63	268016	49.10 ug/Kg	98
50) Bromodichloromethane	12.12	83	335629	53.71 ug/Kg	96
51) Methyl methacrylate	12.22	41	278120	42.28 ug/Kg	96
52) 2-Chloroethyl vinyl ether	12.71	63	516168	232.68 ug/Kg	89
53) cis-1,3-Dichloropropene	12.85	75	374785	54.78 ug/Kg	94
56) Toluene	13.13	91	803394	51.50 ug/Kg	100
57) 2-Nitropropane	13.39	41	367783	255.97 ug/Kg	97
58) 4-Methyl-2-pentanone	13.49	43	1575868	220.01 ug/Kg	97
59) trans-1,3-Dichloropropene	13.56	75	318298	53.56 ug/Kg	94
60) Tetrachloroethene	13.59	166	209261	52.68 ug/Kg	93
61) Ethyl methacrylate	13.65	69	299151	56.20 ug/Kg	93
62) 1,1,2-Trichloroethane	13.76	83	173101	51.63 ug/Kg	95
63) Dibromochloromethane	13.98	129	217130	54.26 ug/Kg	94
64) 1,3-Dichloropropane	14.09	76	350240	51.44 ug/Kg	90
65) 1,2-Dibromoethane	14.30	107	193229	50.68 ug/Kg	91
66) 2-hexanone	14.41	43	1281894	217.43 ug/Kg	96
67) 1-Chlorohexane	14.73	91	288000	54.73 ug/Kg	98
68) Ethylbenzene	14.81	91	871653	52.42 ug/Kg	99
69) Chlorobenzene	14.84	112	486644	52.19 ug/Kg	95
70) 1,1,1,2-Tetrachloroethane	14.89	131	185948	56.56 ug/Kg	99
71) m,p-Xylene	14.96	91	1435918	101.95 ug/Kg	100
72) o-Xylene	15.43	91	743568	52.41 ug/Kg	99
73) Styrene	15.48	104	510040	54.72 ug/Kg	98
74) Bromoform	15.57	173	132587	60.88 ug/Kg	97
75) Isopropylbenzene	15.72	105	692624	51.85 ug/Kg	99
78) cis-1,4-Dichloro-2-butene	16.07	53	103422	46.77 ug/Kg	90
79) n-Propylbenzene	16.12	91	1067595	50.41 ug/Kg	97
80) Bromobenzene	16.18	156	202874	48.86 ug/Kg	93
81) 1,1,2,2-Tetrachloroethane	16.19	83	243394	46.80 ug/Kg	95
82) 1,3,5-Trimethylbenzene	16.28	105	687722	51.58 ug/Kg	100
83) 2-Chlorotoluene	16.32	91	747390	50.79 ug/Kg	99
84) trans-1,4-Dichloro-2-Buten	16.36	53	85350	98.34 ug/Kg	99
85) 1,2,3-Trichloropropane	16.35	110	56996	47.91 ug/Kg	94
86) Cyclohexanone	16.44	55	42347	235.29 ug/Kg	90
87) 4-Chlorotoluene	16.47	91	679134	50.92 ug/Kg	99
88) tert-Butylbenzene	16.60	91	470033	49.24 ug/Kg	99
89) 1,2,4-Trimethylbenzene	16.66	105	704215	52.39 ug/Kg	96
90) Pentachloroethane	16.67	167	125095	53.78 ug/Kg	97
91) sec-Butylbenzene	16.75	105	857045	50.82 ug/Kg	100

(#) = qualifier out of range (m) = manual integration
G0054780.D APP9-GR.M Thu Dec 11 15:16:26 2008 Page 2

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054780.D Vial: 3
Acq On : 11 Dec 2008 12:37 pm Operator: MikeM
Sample : ic2070-3 Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:05:21 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:05:20 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

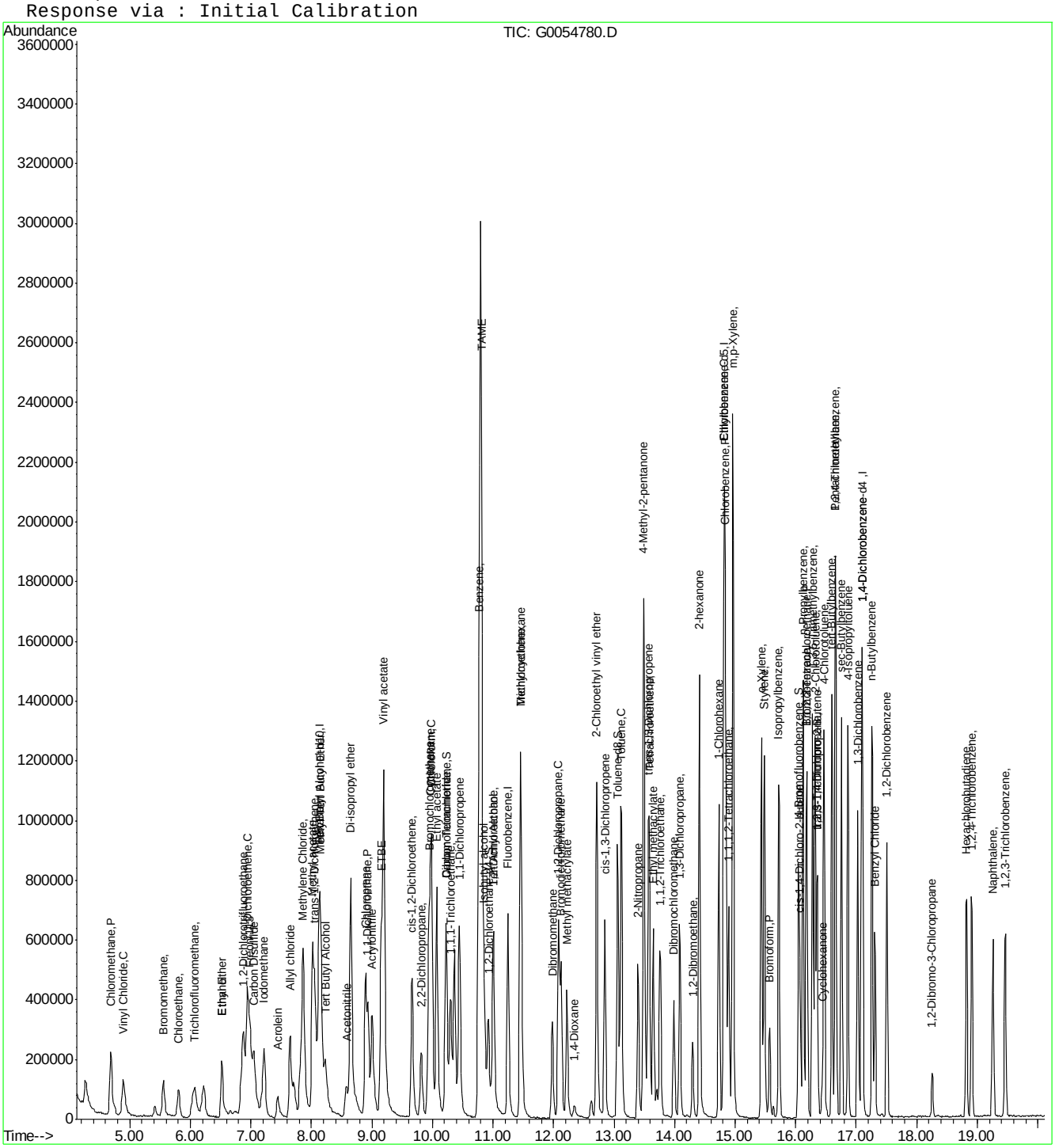
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
92)	4-Isopropyltoluene	16.86	119	651866	52.19	ug/Kg	99
93)	1,3-Dichlorobenzene	17.03	146	365548	50.64	ug/Kg	97
94)	1,4-Dichlorobenzene	17.10	146	361135	49.28	ug/Kg	89
95)	n-Butylbenzene	17.26	92	397294	53.78	ug/Kg	99
96)	Benzyl Chloride	17.32	126	70165	52.47	ug/Kg#	75
97)	1,2-Dichlorobenzene	17.51	146	346245	50.74	ug/Kg	95
98)	1,2-Dibromo-3-Chloropropan	18.25	75	37957	39.42	ug/Kg	94
99)	Hexachlorobutadiene	18.82	225	159856	50.60	ug/Kg	95
100)	1,2,4-Trichlorobenzene	18.91	180	233249	51.48	ug/Kg	98
101)	Naphthalene	19.26	128	431219	49.29	ug/Kg	99
102)	1,2,3-Trichlorobenzene	19.46	180	203759	49.63	ug/Kg	92
104)	Ethanol	6.52	45	167702	1140.21	ug/Kg	98
105)	Acrolein	7.45	56	109906	314.50	ug/Kg	98
106)	Tert Butyl Alcohol	8.24	59	211469	422.29	ug/Kg	88
107)	Isobutyl alcohol	10.86	42	141730	1045.64	ug/Kg	96
108)	Tert Amyl Alcohol	11.00	59	194113	492.51	ug/Kg	96
109)	1,4-Dioxane	12.34	88	29414	955.50	ug/Kg	79

(#) = qualifier out of range (m) = manual integration (+) = signals summed
G0054780.D APP9-GR.M Thu Dec 11 15:16:26 2008 Page 3

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054780.D Vial: 3
Acq On : 11 Dec 2008 12:37 pm Operator: MikeM
Sample : ic2070-3 Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:05 2008 Quant Results File: APP9-GR.RES

Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:10:45 2008
Response via : Initial Calibration

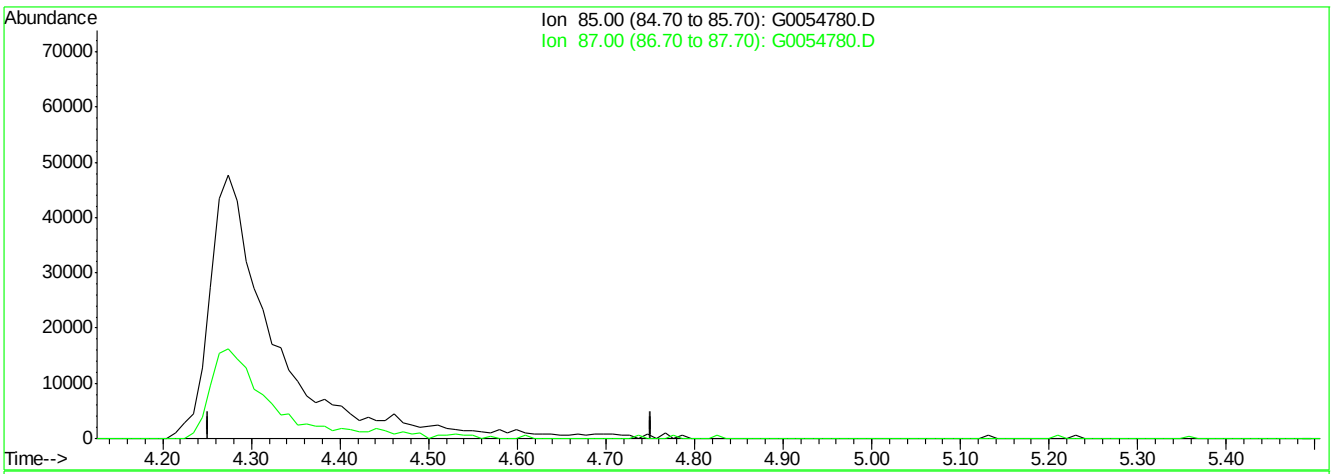


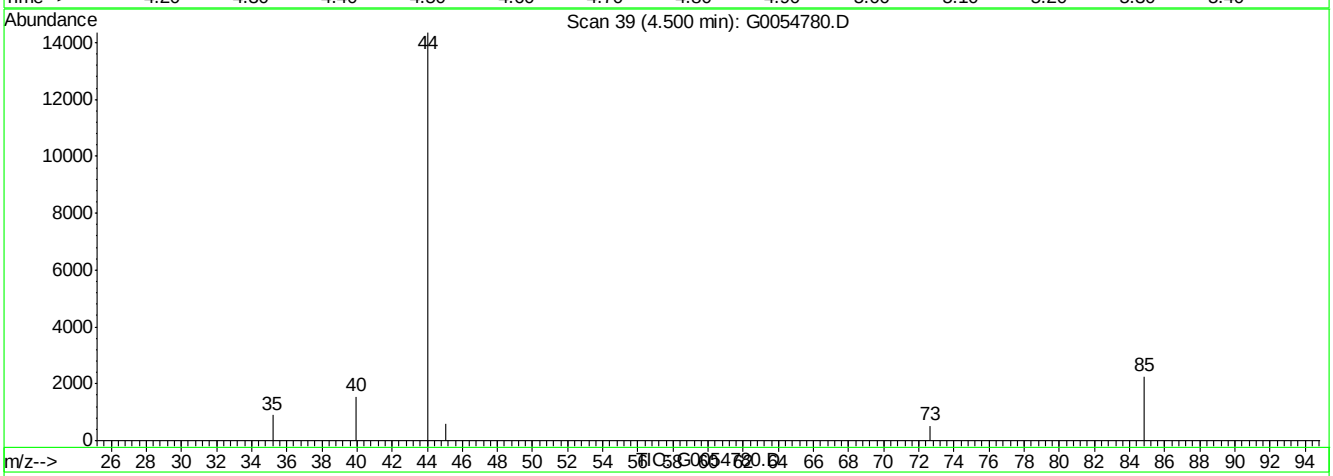
ACCUTEST Laboratories F61975

Quantitation Report (Qedit)

Data File : G:\HPCHEM\1\DATA\121108\G0054780.D Vial: 3
Acq On : 11 Dec 2008 12:37 pm Operator: MikeM
Sample : ic2070-3 Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:04 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:05:29 2008
Response via : Multiple Level Calibration





(2) Dichlorodifluoromethane ( )

4.50min (-4.502) 0.00ug/Kg

response 0

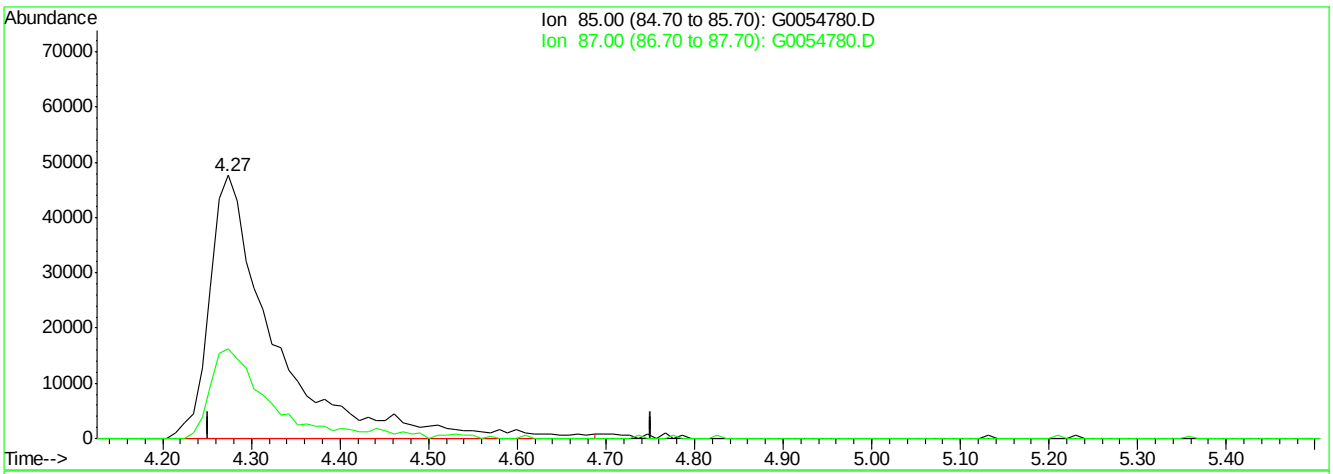
Ion	Exp%	Act%
85.00	100	0.00
87.00	35.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

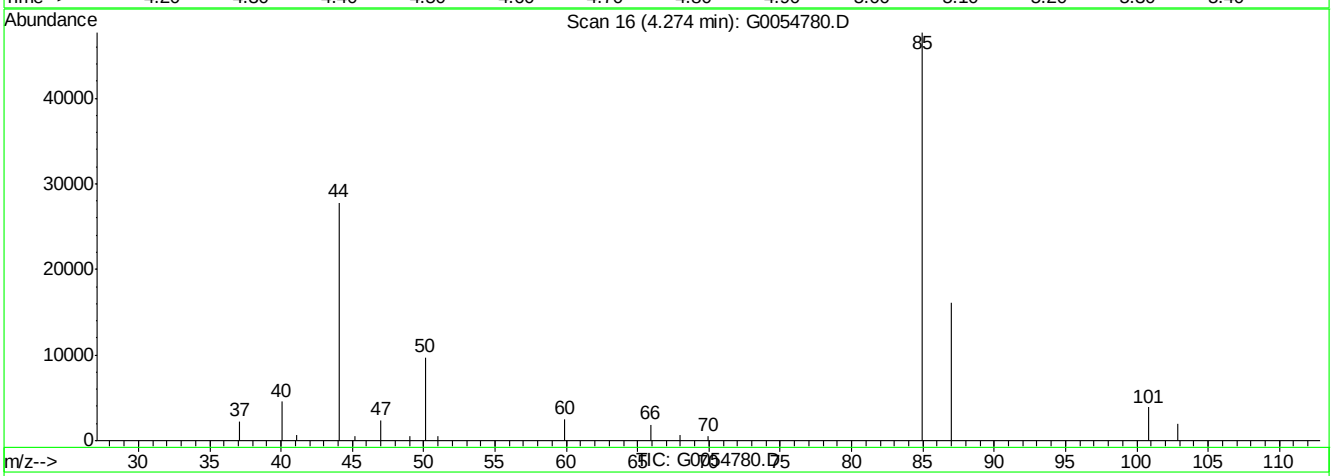
G0054780.D APP9-GR.M Thu Dec 11 15:06:20 2008

Quantitation Report (Qedit)

Data File : G:\HPCHEM\1\DATA\121108\G0054780.D Vial: 3
Acq On : 11 Dec 2008 12:37 pm Operator: MikeM
Sample : ic2070-3 Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:05 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:05:29 2008
Response via : Multiple Level Calibration





(2) Dichlorodifluoromethane ( )

4.27min (-0.228) 0.00ug/Kg m

response 241740

Ion	Exp%	Act%
85.00	100	100
87.00	35.60	33.92
0.00	0.00	0.00
0.00	0.00	0.00

G0054780.D APP9-GR.M Thu Dec 11 15:06:24 2008

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054781.D Vial: 4
Acq On : 11 Dec 2008 1:03 pm Operator: MikeM
Sample : icc2070-4 Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:05:24 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:05:22 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	11.25	96	590257	50.00	ug/Kg	0.02
54) Chlorobenzene-d5	14.82	117	414136	50.00	ug/Kg	0.00
76) 1,4-Dichlorobenzene-d4	17.09	152	217007	50.00	ug/Kg	0.00
103) Tert Butyl Alcohol-d10	8.13	65	73243	250.00	ug/Kg	0.00
System Monitoring Compounds						
35) Dibromofluoromethane	10.23	113	188367	49.38	ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 121		Recovery = 98.76%			
44) 1,2-Dichloroethane-d4	10.93	65	238662	45.05	ug/Kg	0.00
Spiked Amount 50.000	Range 77 - 123		Recovery = 90.10%			
55) Toluene-d8	13.07	98	607136	54.19	ug/Kg	0.02
Spiked Amount 50.000	Range 71 - 130		Recovery = 108.38%			
77) 4-Bromofluorobenzene	16.05	174	192097	51.81	ug/Kg	0.00
Spiked Amount 50.000	Range 59 - 148		Recovery = 103.62%			
Target Compounds						Qvalue
3) Chloromethane	4.69	50	710229	100.11	ug/Kg	100
4) Vinyl Chloride	4.89	62	503739	103.61	ug/Kg	99
5) Bromomethane	5.55	94	212134	90.63	ug/Kg	99
6) Chloroethane	5.81	64	238855	97.74	ug/Kg	94
7) Trichlorofluoromethane	6.07	101	432773	101.59	ug/Kg	99
8) Ethyl Ether	6.52	59	318097	93.57	ug/Kg	92
9) 1,2-Dichlorotrifluoroethan	6.88	67	725471	99.15	ug/Kg	97
10) 1,1-Dichloroethene	6.94	61	777411	101.82	ug/Kg	99
11) Freon 113	6.98	101	413513	99.36	ug/Kg	91
12) Carbon Disulfide	7.05	76	1531748	111.93	ug/Kg	98
13) Iodomethane	7.22	142	927644	108.97	ug/Kg	97
14) Allyl chloride	7.65	41	880347	116.63	ug/Kg	98
15) Methylene Chloride	7.85	49	854319	101.54	ug/Kg	96
16) Acetone	7.87	43	1360901	Below Cal		98
17) Methyl acetate	8.02	43	1920689	389.59	ug/Kg	98
18) trans-1,2-Dichloroethene	8.06	61	801544	104.47	ug/Kg	98
19) Hexane	8.13	56	435495	98.95	ug/Kg	94
20) Methyl Tert Butyl Ether	8.16	73	1192924	97.16	ug/Kg	87
21) Acetonitrile	8.58	41	304109	911.07	ug/Kg	98
22) Di-isopropyl ether	8.65	45	2253630	102.19	ug/Kg	98
23) Chloroprene	8.90	53	832575	109.41	ug/Kg	98
24) 1,1-Dichloroethane	8.94	63	935774	103.90	ug/Kg	96
25) Acrylonitrile	9.00	53	724587	Below Cal		93
26) ETBE	9.16	59	1728809	98.42	ug/Kg	97
27) Vinyl acetate	9.20	43	4275266	491.19	ug/Kg	100
28) cis-1,2-Dichloroethene	9.66	96	455325	105.75	ug/Kg	95
29) 2,2-Dichloropropane	9.81	77	327906	106.44	ug/Kg	98
30) Bromochloromethane	9.93	128	256467	104.98	ug/Kg	94
31) Cyclohexane	9.97	56	842521	100.54	ug/Kg	96
32) Chloroform	9.99	83	888854	102.89	ug/Kg	98
33) Ethyl acetate	10.07	43	2178729	472.45	ug/Kg	99
34) Tetrahydrofuran	10.23	42	139149	Below Cal		95
36) Carbon Tetrachloride	10.22	117	610664	111.13	ug/Kg	96
37) 1,1,1-Trichloroethane	10.31	97	610443	103.37	ug/Kg	94

(#) = qualifier out of range (m) = manual integration
G0054781.D APP9-GR.M Thu Dec 11 15:16:34 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054781.D Vial: 4
Acq On : 11 Dec 2008 1:03 pm Operator: MikeM
Sample : icc2070-4 Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:05:24 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:05:22 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
38)	2-Butanone	10.36	43	1663866	Below Cal	94
39)	1,1-Dichloropropene	10.44	75	657102	100.14 ug/Kg	96
40)	Propionitrile	10.77	54	504623	Below Cal #	76
41)	Methacrylonitrile	10.80	41	3785466	Below Cal	97
42)	Benzene	10.76	78	1581484	98.65 ug/Kg	99
43)	TAME	10.82	73	1258840	93.27 ug/Kg	98
45)	1,2-Dichloroethane	11.01	62	779407	97.93 ug/Kg	97
46)	Trichloroethene	11.45	95	457249	95.99 ug/Kg	94
47)	Methylcyclohexane	11.46	83	631919	103.04 ug/Kg	95
48)	Dibromomethane	11.98	93	293257	98.32 ug/Kg	94
49)	1,2-Dichloropropane	12.09	63	541851	104.20 ug/Kg	97
50)	Bromodichloromethane	12.12	83	674974	109.99 ug/Kg	99
51)	Methyl methacrylate	12.22	41	514380	86.02 ug/Kg	95
52)	2-Chloroethyl vinyl ether	12.71	63	975919	469.91 ug/Kg	92
53)	cis-1,3-Dichloropropene	12.85	75	763826	112.90 ug/Kg	96
56)	Toluene	13.13	91	1577307	107.89 ug/Kg	100
57)	2-Nitropropane	13.39	41	703768	517.30 ug/Kg	96
58)	4-Methyl-2-pentanone	13.49	43	2804208	439.48 ug/Kg	98
59)	trans-1,3-Dichloropropene	13.57	75	612589	108.51 ug/Kg	93
60)	Tetrachloroethene	13.59	166	402614	107.32 ug/Kg	97
61)	Ethyl methacrylate	13.65	69	546548	106.26 ug/Kg	92
62)	1,1,2-Trichloroethane	13.77	83	315360	100.28 ug/Kg	98
63)	Dibromochloromethane	13.99	129	432314	113.20 ug/Kg	99
64)	1,3-Dichloropropane	14.09	76	646273	101.32 ug/Kg	98
65)	1,2-Dibromoethane	14.30	107	364849	102.66 ug/Kg	92
66)	2-hexanone	14.41	43	2296690	438.88 ug/Kg	99
67)	1-Chlorohexane	14.73	91	555450	110.27 ug/Kg	90
68)	Ethylbenzene	14.82	91	1705549	108.78 ug/Kg	98
69)	Chlorobenzene	14.85	112	928879	105.81 ug/Kg	97
70)	1,1,1,2-Tetrachloroethane	14.89	131	363107	114.04 ug/Kg	93
71)	m,p-Xylene	14.96	91	2692196	204.66 ug/Kg	98
72)	o-Xylene	15.43	91	1450341	108.43 ug/Kg	99
73)	Styrene	15.48	104	999630	112.06 ug/Kg	97
74)	Bromoform	15.57	173	265507	122.50 ug/Kg	96
75)	Isopropylbenzene	15.73	105	1351712	107.72 ug/Kg	99
78)	cis-1,4-Dichloro-2-butene	16.07	53	192008	92.77 ug/Kg	91
79)	n-Propylbenzene	16.12	91	2050125	100.92 ug/Kg	99
80)	Bromobenzene	16.18	156	395199	100.26 ug/Kg	91
81)	1,1,2,2-Tetrachloroethane	16.19	83	433418	89.02 ug/Kg	98
82)	1,3,5-Trimethylbenzene	16.28	105	1312932	101.88 ug/Kg	99
83)	2-Chlorotoluene	16.32	91	1432402	101.22 ug/Kg	97
84)	trans-1,4-Dichloro-2-Buten	16.36	53	159337	193.00 ug/Kg	92
85)	1,2,3-Trichloropropane	16.36	110	108692	99.05 ug/Kg	93
86)	Cyclohexanone	16.44	55	76424	467.43 ug/Kg	91
87)	4-Chlorotoluene	16.47	91	1316961	102.60 ug/Kg	96
88)	tert-Butylbenzene	16.60	91	892137	98.20 ug/Kg	96
89)	1,2,4-Trimethylbenzene	16.65	105	1319941	101.04 ug/Kg	97
90)	Pentachloroethane	16.67	167	242815	106.45 ug/Kg	85
91)	sec-Butylbenzene	16.76	105	1670445	102.99 ug/Kg	99

(#) = qualifier out of range (m) = manual integration
G0054781.D APP9-GR.M Thu Dec 11 15:16:37 2008 Page 2

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054781.D Vial: 4
Acq On : 11 Dec 2008 1:03 pm Operator: MikeM
Sample : icc2070-4 Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:05:24 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:05:22 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

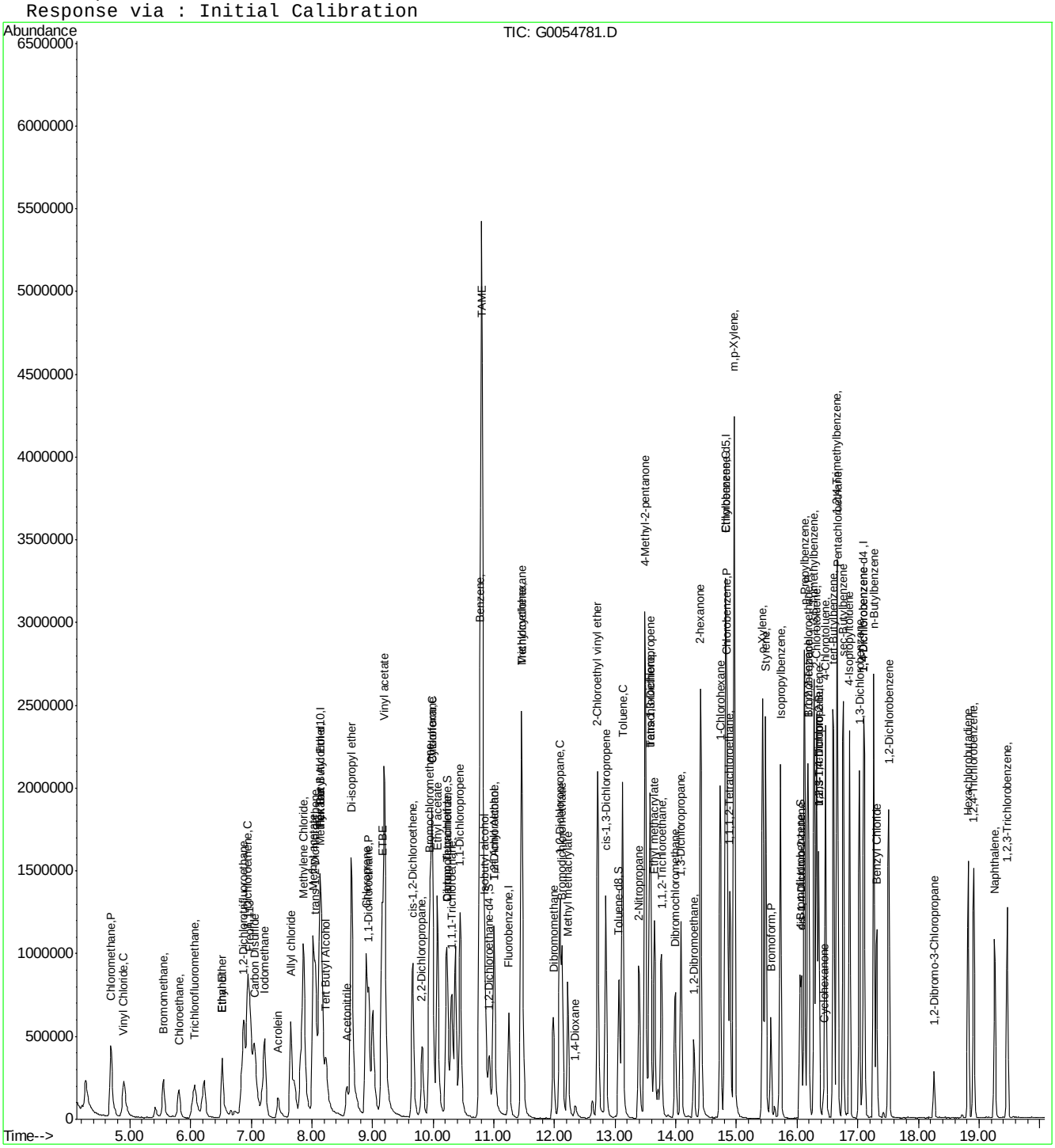
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
92)	4-Isopropyltoluene	16.87	119	1243357	102.57	ug/Kg	98
93)	1,3-Dichlorobenzene	17.03	146	711249	102.57	ug/Kg	98
94)	1,4-Dichlorobenzene	17.11	146	710829	101.89	ug/Kg	98
95)	n-Butylbenzene	17.27	92	845565	116.73	ug/Kg	98
96)	Benzyl Chloride	17.31	126	131782	98.85	ug/Kg#	77
97)	1,2-Dichlorobenzene	17.51	146	655627	99.95	ug/Kg	95
98)	1,2-Dibromo-3-Chloropropan	18.26	75	77802	90.88	ug/Kg	89
99)	Hexachlorobutadiene	18.82	225	320741	105.71	ug/Kg	89
100)	1,2,4-Trichlorobenzene	18.91	180	452822	103.46	ug/Kg	98
101)	Naphthalene	19.26	128	802548	96.36	ug/Kg	100
102)	1,2,3-Trichlorobenzene	19.46	180	386868	98.76	ug/Kg	97
104)	Ethanol	6.52	45	312711	2339.02	ug/Kg	100
105)	Acrolein	7.45	56	190358	577.59	ug/Kg	97
106)	Tert Butyl Alcohol	8.24	59	391267	948.90	ug/Kg	80
107)	Isobutyl alcohol	10.86	42	265397	2170.10	ug/Kg	98
108)	Tert Amyl Alcohol	11.00	59	347184	1019.47	ug/Kg	97
109)	1,4-Dioxane	12.34	88	58427	2235.35	ug/Kg	88

(#) = qualifier out of range (m) = manual integration (+) = signals summed
G0054781.D APP9-GR.M Thu Dec 11 15:16:38 2008 Page 3

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054781.D Vial: 4
Acq On : 11 Dec 2008 1:03 pm Operator: MikeM
Sample : icc2070-4 Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:06 2008 Quant Results File: APP9-GR.RES

Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:10:45 2008
Response via : Initial Calibration

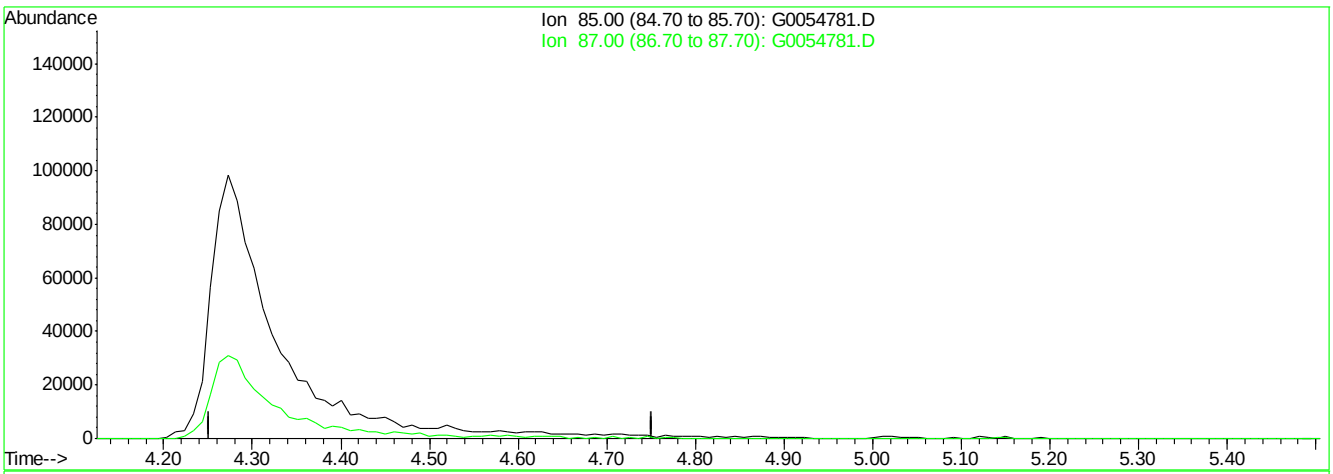


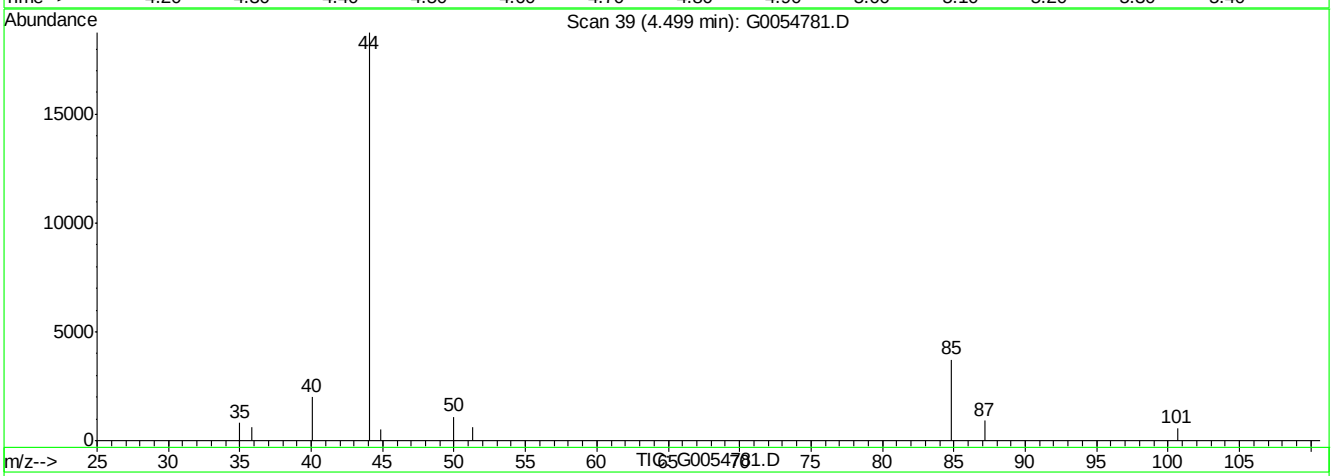
ACCUTEST Laboratories F61975

Quantitation Report (Qedit)

Data File : G:\HPCHEM\1\DATA\121108\G0054781.D Vial: 4
Acq On : 11 Dec 2008 1:03 pm Operator: MikeM
Sample : icc2070-4 Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:04 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:05:29 2008
Response via : Multiple Level Calibration





(2) Dichlorodifluoromethane ( )

4.50min (-4.502) 0.00ug/Kg

response 0

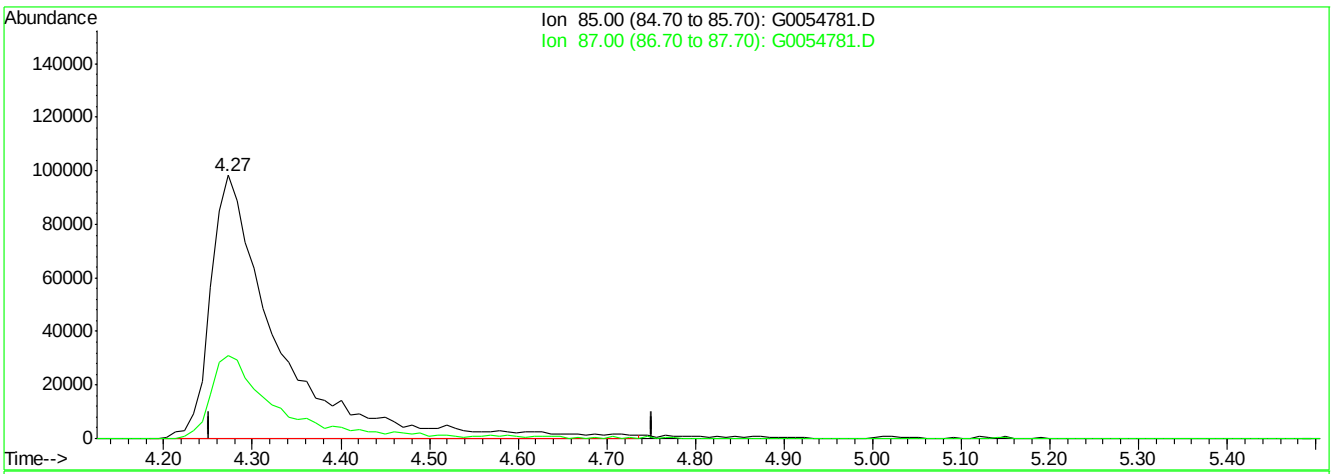
Ion	Exp%	Act%
85.00	100	0.00
87.00	35.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

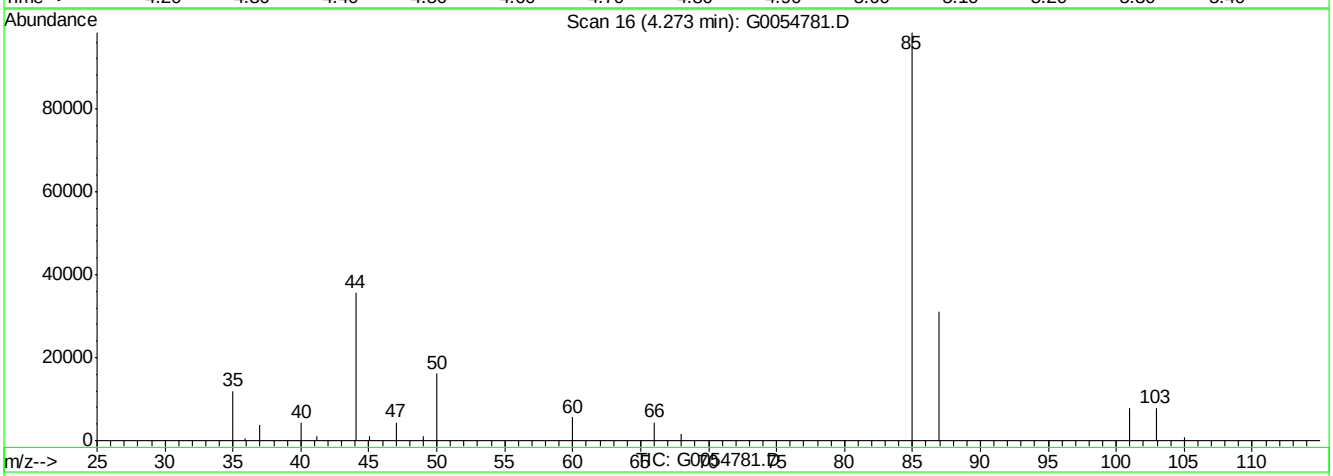
G0054781.D APP9-GR.M Thu Dec 11 15:06:31 2008

Quantitation Report (Qedit)

Data File : G:\HPCHEM\1\DATA\121108\G0054781.D Vial: 4
Acq On : 11 Dec 2008 1:03 pm Operator: MikeM
Sample : icc2070-4 Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:06 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:05:29 2008
Response via : Multiple Level Calibration





(2) Dichlorodifluoromethane ( )

4.27min (-0.229) 0.00ug/Kg m

response 513729

Ion	Exp%	Act%
85.00	100	100
87.00	35.60	31.51
0.00	0.00	0.00
0.00	0.00	0.00

G0054781.D APP9-GR.M Thu Dec 11 15:06:34 2008

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054782.D Vial: 5
Acq On : 11 Dec 2008 1:28 pm Operator: MikeM
Sample : ic2070-5 Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:05:26 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:05:25 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	11.25	96	607882	50.00	ug/Kg	0.00
54) Chlorobenzene-d5	14.82	117	412472	50.00	ug/Kg	0.00
76) 1,4-Dichlorobenzene-d4	17.09	152	212523	50.00	ug/Kg	0.00
103) Tert Butyl Alcohol-d10	8.13	65	61845	250.00	ug/Kg	0.00
System Monitoring Compounds						
35) Dibromofluoromethane	10.23	113	188296	48.08	ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 121		Recovery = 96.16%			
44) 1,2-Dichloroethane-d4	10.93	65	232838	43.76	ug/Kg	0.00
Spiked Amount 50.000	Range 77 - 123		Recovery = 87.52%			
55) Toluene-d8	13.07	98	608078	53.38	ug/Kg	0.00
Spiked Amount 50.000	Range 71 - 130		Recovery = 106.76%			
77) 4-Bromofluorobenzene	16.05	174	190326	51.95	ug/Kg	0.00
Spiked Amount 50.000	Range 59 - 148		Recovery = 103.90%			
Target Compounds						Qvalue
3) Chloromethane	4.69	50	1093739	149.66	ug/Kg	100
4) Vinyl Chloride	4.89	62	733216	145.12	ug/Kg	99
5) Bromomethane	5.54	94	289573	123.01	ug/Kg	98
6) Chloroethane	5.80	64	340320	136.00	ug/Kg	91
7) Trichlorofluoromethane	6.07	101	637267	144.68	ug/Kg	98
8) Ethyl Ether	6.52	59	465337	135.09	ug/Kg	89
9) 1,2-Dichlorotrifluoroethan	6.88	67	1069606	142.25	ug/Kg	95
10) 1,1-Dichloroethene	6.94	61	1151397	145.77	ug/Kg	97
11) Freon 113	6.98	101	617860	144.39	ug/Kg	94
12) Carbon Disulfide	7.05	76	2266842	156.18	ug/Kg	96
13) Iodomethane	7.22	142	1374984	153.39	ug/Kg	96
14) Allyl chloride	7.65	41	1290687	159.41	ug/Kg	96
15) Methylene Chloride	7.85	49	1201769	137.06	ug/Kg	99
16) Acetone	7.87	43	1791297	676.56	ug/Kg	99
17) Methyl acetate	8.02	43	2550079	531.60	ug/Kg	99
18) trans-1,2-Dichloroethene	8.06	61	1181584	147.88	ug/Kg	98
19) Hexane	8.13	56	634947	140.45	ug/Kg	97
20) Methyl Tert Butyl Ether	8.16	73	1678411	133.69	ug/Kg	87
21) Acetonitrile	8.58	41	433305	1353.62	ug/Kg	97
22) Di-isopropyl ether	8.65	45	3352979	146.82	ug/Kg	99
23) Chloroprene	8.90	53	1215346	151.52	ug/Kg	96
24) 1,1-Dichloroethane	8.94	63	1382351	147.59	ug/Kg	100
25) Acrylonitrile	9.00	53	980134	667.60	ug/Kg	96
26) ETBE	9.15	59	2514348	139.55	ug/Kg	98
27) Vinyl acetate	9.20	43	6158745	690.10	ug/Kg	100
28) cis-1,2-Dichloroethene	9.67	96	686758	152.68	ug/Kg	98
29) 2,2-Dichloropropane	9.81	77	476252	147.73	ug/Kg	98
30) Bromochloromethane	9.93	128	362194	142.18	ug/Kg	87
31) Cyclohexane	9.96	56	1236064	143.04	ug/Kg	91
32) Chloroform	9.99	83	1320514	147.37	ug/Kg	97
33) Ethyl acetate	10.07	43	3065308	674.17	ug/Kg	99
34) Tetrahydrofuran	10.23	42	225114	220.24	ug/Kg	88
36) Carbon Tetrachloride	10.22	117	924993	159.03	ug/Kg	94
37) 1,1,1-Trichloroethane	10.31	97	918702	149.80	ug/Kg	98

(#) = qualifier out of range (m) = manual integration
G0054782.D APP9-GR.M Thu Dec 11 15:16:46 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054782.D Vial: 5
Acq On : 11 Dec 2008 1:28 pm Operator: MikeM
Sample : ic2070-5 Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:05:26 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:05:25 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
38)	2-Butanone	10.37	43	2215249	700.64	ug/Kg	96
39)	1,1-Dichloropropene	10.44	75	987243	146.04	ug/Kg	97
40)	Propionitrile	10.77	54	689294	1536.31	ug/Kg#	80
41)	Methacrylonitrile	10.80	41	5226226	1511.19	ug/Kg	96
42)	Benzene	10.76	78	2305007	140.09	ug/Kg	99
43)	TAME	10.82	73	1811044	132.52	ug/Kg	99
45)	1,2-Dichloroethane	11.01	62	1105458	135.57	ug/Kg	99
46)	Trichloroethene	11.45	95	669294	137.82	ug/Kg	97
47)	Methylcyclohexane	11.46	83	947229	148.84	ug/Kg	97
48)	Dibromomethane	11.98	93	432646	141.44	ug/Kg	93
49)	1,2-Dichloropropane	12.09	63	785552	145.16	ug/Kg	99
50)	Bromodichloromethane	12.12	83	1018794	157.28	ug/Kg	98
51)	Methyl methacrylate	12.22	41	728950	122.66	ug/Kg	99
52)	2-Chloroethyl vinyl ether	12.71	63	1420360	674.22	ug/Kg	96
53)	cis-1,3-Dichloropropene	12.85	75	1127290	156.74	ug/Kg	97
56)	Toluene	13.13	91	2329481	156.88	ug/Kg	100
57)	2-Nitropropane	13.39	41	994638	714.91	ug/Kg	97
58)	4-Methyl-2-pentanone	13.49	43	3780713	613.48	ug/Kg	98
59)	trans-1,3-Dichloropropene	13.57	75	890573	155.08	ug/Kg	97
60)	Tetrachloroethene	13.59	166	607032	159.54	ug/Kg	95
61)	Ethyl methacrylate	13.65	69	804123	154.55	ug/Kg	97
62)	1,1,2-Trichloroethane	13.77	83	474537	151.40	ug/Kg	94
63)	Dibromochloromethane	13.99	129	638257	162.44	ug/Kg	98
64)	1,3-Dichloropropane	14.09	76	953857	149.65	ug/Kg	90
65)	1,2-Dibromoethane	14.30	107	535347	150.24	ug/Kg	85
66)	2-hexanone	14.41	43	3114106	616.32	ug/Kg	98
67)	1-Chlorohexane	14.73	91	818063	158.98	ug/Kg	89
68)	Ethylbenzene	14.82	91	2494363	156.30	ug/Kg	99
69)	Chlorobenzene	14.85	112	1347634	151.93	ug/Kg	96
70)	1,1,1,2-Tetrachloroethane	14.89	131	538935	164.18	ug/Kg	98
71)	m,p-Xylene	14.97	91	3925388	297.88	ug/Kg	99
72)	o-Xylene	15.43	91	2132711	156.78	ug/Kg	100
73)	Styrene	15.48	104	1455840	159.06	ug/Kg	96
74)	Bromoform	15.57	173	388581	170.42	ug/Kg	99
75)	Isopropylbenzene	15.73	105	1972044	154.80	ug/Kg	98
78)	cis-1,4-Dichloro-2-butene	16.07	53	275085	138.21	ug/Kg	90
79)	n-Propylbenzene	16.12	91	2952413	148.07	ug/Kg	96
80)	Bromobenzene	16.18	156	566060	146.54	ug/Kg	96
81)	1,1,2,2-Tetrachloroethane	16.19	83	604808	130.43	ug/Kg	96
82)	1,3,5-Trimethylbenzene	16.28	105	1903777	150.14	ug/Kg	99
83)	2-Chlorotoluene	16.32	91	2061918	148.33	ug/Kg	99
84)	trans-1,4-Dichloro-2-Buten	16.36	53	224371	279.96	ug/Kg	96
85)	1,2,3-Trichloropropane	16.36	110	142645	133.72	ug/Kg	93
86)	Cyclohexanone	16.44	55	102049	671.15	ug/Kg	91
87)	4-Chlorotoluene	16.47	91	1896852	149.93	ug/Kg	100
88)	tert-Butylbenzene	16.60	91	1302021	147.01	ug/Kg	98
89)	1,2,4-Trimethylbenzene	16.65	105	1871674	145.92	ug/Kg	97
90)	Pentachloroethane	16.67	167	345227	152.09	ug/Kg#	82
91)	sec-Butylbenzene	16.76	105	2366689	147.89	ug/Kg	96

(#) = qualifier out of range (m) = manual integration
G0054782.D APP9-GR.M Thu Dec 11 15:16:47 2008 Page 2

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054782.D Vial: 5
Acq On : 11 Dec 2008 1:28 pm Operator: MikeM
Sample : ic2070-5 Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:05:26 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:05:25 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

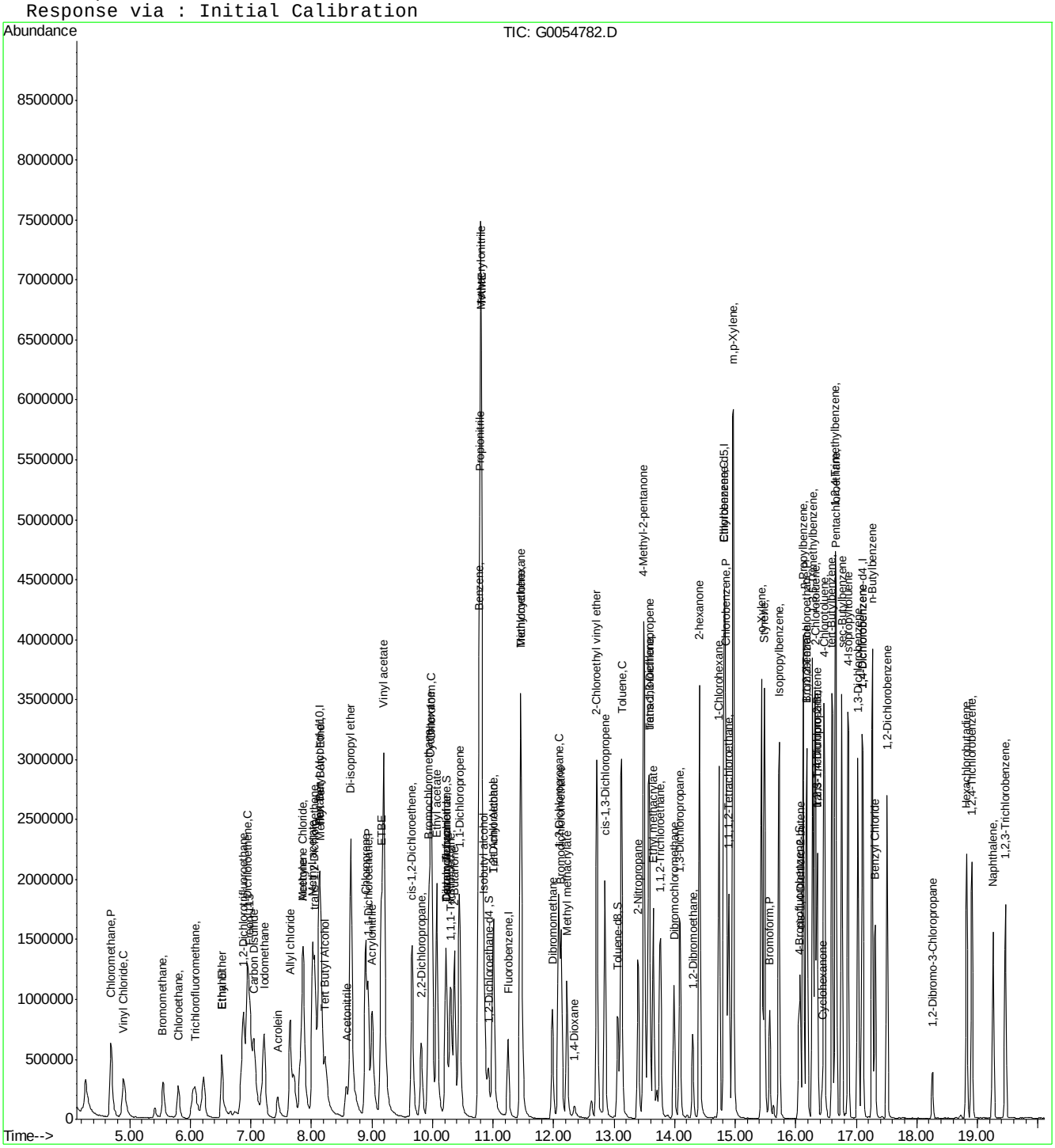
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
92)	4-Isopropyltoluene	16.87	119	1783615	149.28	ug/Kg	96
93)	1,3-Dichlorobenzene	17.03	146	1045896	153.03	ug/Kg	97
94)	1,4-Dichlorobenzene	17.11	146	1040268	151.54	ug/Kg	97
95)	n-Butylbenzene	17.27	92	1238920	167.63	ug/Kg	97
96)	Benzyl Chloride	17.32	126	185471	143.33	ug/Kg#	86
97)	1,2-Dichlorobenzene	17.51	146	978382	152.32	ug/Kg	92
98)	1,2-Dibromo-3-Chloropropan	18.25	75	106294	129.74	ug/Kg	96
99)	Hexachlorobutadiene	18.82	225	470592	156.15	ug/Kg	89
100)	1,2,4-Trichlorobenzene	18.91	180	651558	150.70	ug/Kg	97
101)	Naphthalene	19.26	128	1150651	142.36	ug/Kg	100
102)	1,2,3-Trichlorobenzene	19.46	180	565056	147.75	ug/Kg	95
104)	Ethanol	6.52	45	452013	3841.30	ug/Kg	99
105)	Acrolein	7.45	56	289302	1000.77	ug/Kg	97
106)	Tert Butyl Alcohol	8.24	59	532978	1550.61	ug/Kg	85
107)	Isobutyl alcohol	10.86	42	407222	3699.98	ug/Kg	99
108)	Tert Amyl Alcohol	11.00	59	493479	1707.80	ug/Kg	99
109)	1,4-Dioxane	12.35	88	77184	3365.20	ug/Kg	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054782.D Vial: 5
Acq On : 11 Dec 2008 1:28 pm Operator: MikeM
Sample : ic2070-5 Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:06 2008 Quant Results File: APP9-GR.RES

Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:10:45 2008
Response via : Initial Calibration

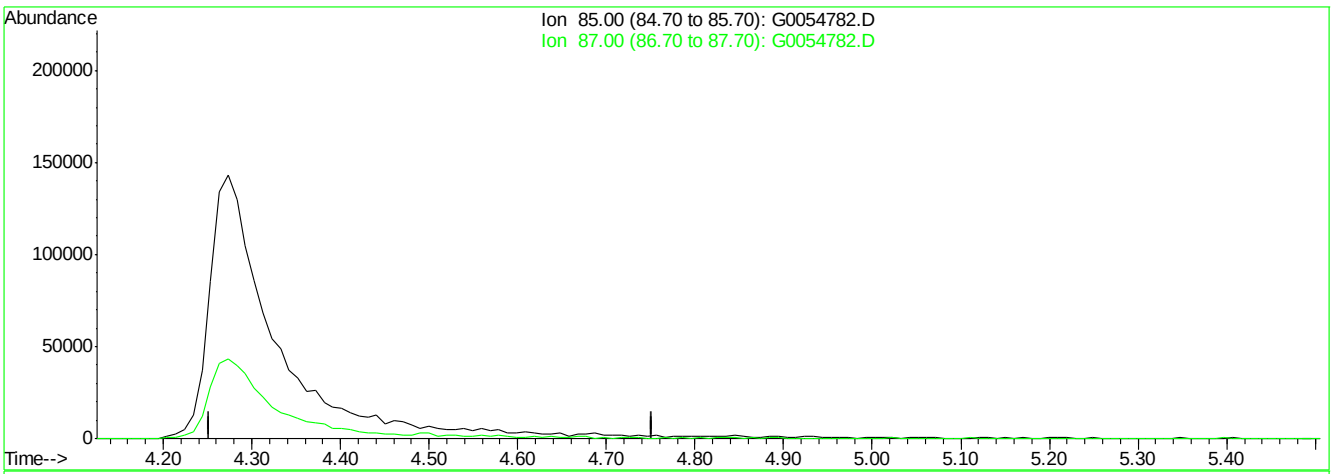


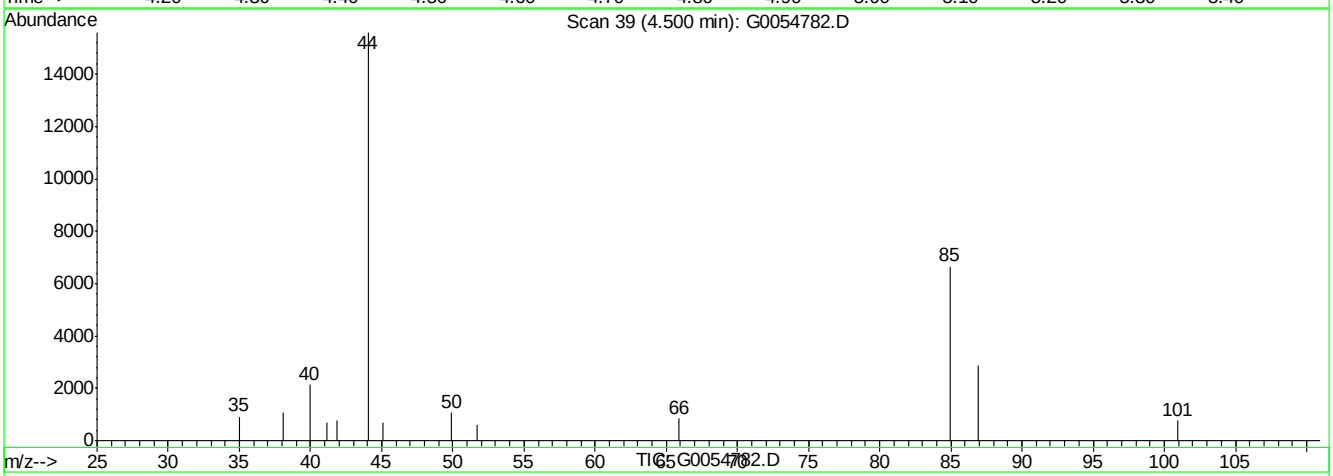
ACCUTEST Laboratories F61975

Quantitation Report (Qedit)

Data File : G:\HPCHEM\1\DATA\121108\G0054782.D Vial: 5
Acq On : 11 Dec 2008 1:28 pm Operator: MikeM
Sample : ic2070-5 Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:04 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:05:29 2008
Response via : Multiple Level Calibration





(2) Dichlorodifluoromethane ( )

4.50min (-4.502) 0.00ug/Kg

response 0

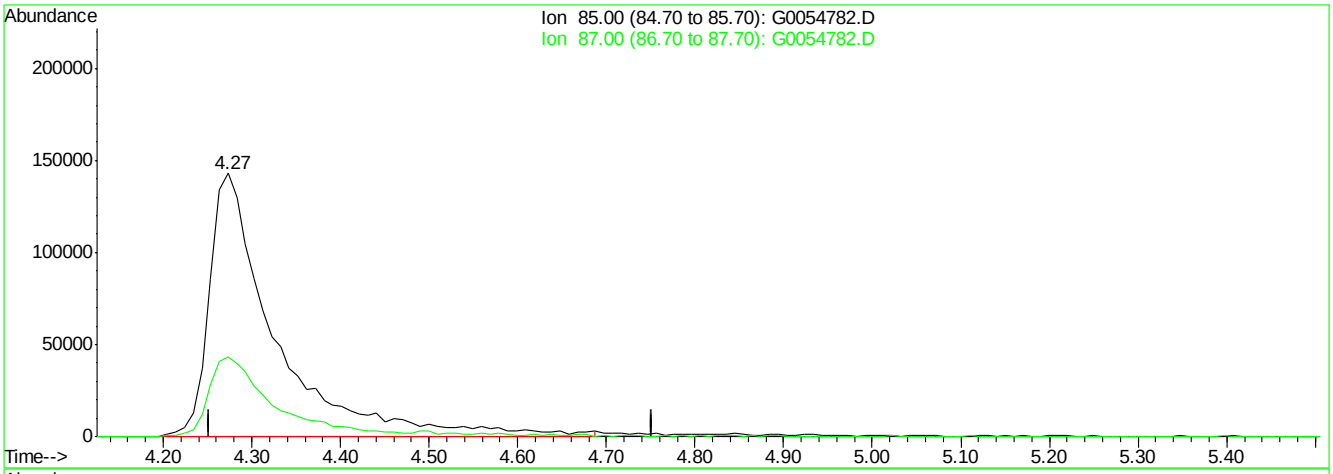
Ion	Exp%	Act%
85.00	100	0.00
87.00	35.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

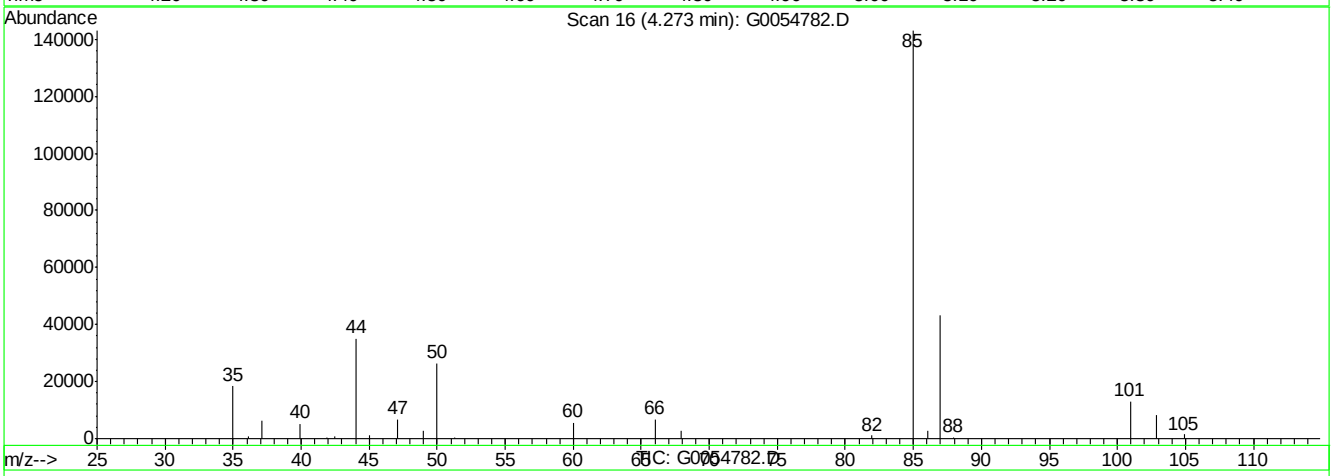
G0054782.D APP9-GR.M Thu Dec 11 15:06:41 2008

Quantitation Report (Qedit)

Data File : G:\HPCHEM\1\DATA\121108\G0054782.D Vial: 5
Acq On : 11 Dec 2008 1:28 pm Operator: MikeM
Sample : ic2070-5 Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:06 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:05:29 2008
Response via : Multiple Level Calibration





(2) Dichlorodifluoromethane ( )

4.27min (-0.229) 0.00ug/Kg m

response 741813

Ion	Exp%	Act%
85.00	100	100
87.00	35.60	30.25
0.00	0.00	0.00
0.00	0.00	0.00

G0054782.D APP9-GR.M Thu Dec 11 15:06:44 2008

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054783.D Vial: 6
Acq On : 11 Dec 2008 1:53 pm Operator: MikeM
Sample : ic2070-6 Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:05:28 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:05:27 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	11.25	96	605215	50.00	ug/Kg	0.00
54) Chlorobenzene-d5	14.83	117	385581	50.00	ug/Kg	0.01
76) 1,4-Dichlorobenzene-d4	17.09	152	211688	50.00	ug/Kg	0.00
103) Tert Butyl Alcohol-d10	8.13	65	62432	250.00	ug/Kg	0.00
System Monitoring Compounds						
35) Dibromofluoromethane	10.23	113	189516	48.98	ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 121		Recovery = 97.96%			
44) 1,2-Dichloroethane-d4	10.93	65	222322	43.04	ug/Kg	0.00
Spiked Amount 50.000	Range 77 - 123		Recovery = 86.08%			
55) Toluene-d8	13.07	98	604026	55.96	ug/Kg	0.00
Spiked Amount 50.000	Range 71 - 130		Recovery = 111.92%			
77) 4-Bromofluorobenzene	16.05	174	189718	51.58	ug/Kg	0.00
Spiked Amount 50.000	Range 59 - 148		Recovery = 103.16%			
Target Compounds						Qvalue
3) Chloromethane	4.70	50	1467361	201.76	ug/Kg	98
4) Vinyl Chloride	4.90	62	984951	197.09	ug/Kg	96
5) Bromomethane	5.55	94	341558	151.17	ug/Kg	97
6) Chloroethane	5.80	64	446633	182.68	ug/Kg	96
7) Trichlorofluoromethane	6.06	101	846994	194.52	ug/Kg	99
8) Ethyl Ether	6.52	59	610556	181.63	ug/Kg	91
9) 1,2-Dichlorotrifluoroethan	6.88	67	1468339	198.18	ug/Kg	97
10) 1,1-Dichloroethene	6.95	61	1557826	199.22	ug/Kg	98
11) Freon 113	6.97	101	816263	193.04	ug/Kg	93
12) Carbon Disulfide	7.05	76	3143393	215.75	ug/Kg	99
13) Iodomethane	7.21	142	1864908	208.02	ug/Kg	98
14) Allyl chloride	7.66	41	1780836	218.18	ug/Kg	94
15) Methylene Chloride	7.84	49	1673250	202.78	ug/Kg	100
16) Acetone	7.87	43	2253025	Below Cal		99
17) Methyl acetate	8.02	43	3322877	738.79	ug/Kg	99
18) trans-1,2-Dichloroethene	8.06	61	1620268	204.26	ug/Kg	95
19) Hexane	8.13	56	862550	194.11	ug/Kg	99
20) Methyl Tert Butyl Ether	8.17	73	2270534	185.69	ug/Kg	98
21) Acetonitrile	8.58	41	562722	1882.33	ug/Kg	97
22) Di-isopropyl ether	8.65	45	4527933	199.99	ug/Kg	98
23) Chloroprene	8.90	53	1705235	213.10	ug/Kg	99
24) 1,1-Dichloroethane	8.94	63	1918298	206.38	ug/Kg	99
25) Acrylonitrile	9.01	53	1245594	1104.69	ug/Kg	96
26) ETBE	9.16	59	3489176	197.25	ug/Kg	99
27) Vinyl acetate	9.20	43	8012588	916.43	ug/Kg	100
28) cis-1,2-Dichloroethene	9.67	96	928314	206.55	ug/Kg	95
29) 2,2-Dichloropropane	9.81	77	597086	186.59	ug/Kg	99
30) Bromochloromethane	9.94	128	476676	189.93	ug/Kg	94
31) Cyclohexane	9.97	56	1629458	191.16	ug/Kg	96
32) Chloroform	9.99	83	1742460	196.00	ug/Kg	98
33) Ethyl acetate	10.07	43	3754544	886.31	ug/Kg	98
34) Tetrahydrofuran	10.23	42	255060	172.61	ug/Kg	85
36) Carbon Tetrachloride	10.23	117	1238501	211.32	ug/Kg	98
37) 1,1,1-Trichloroethane	10.31	97	1228004	201.17	ug/Kg	97

(#) = qualifier out of range (m) = manual integration
G0054783.D APP9-GR.M Thu Dec 11 15:16:55 2008 Page 1

ACCUTEST Laboratories F61975

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054783.D Vial: 6
Acq On : 11 Dec 2008 1:53 pm Operator: MikeM
Sample : ic2070-6 Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:05:28 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:05:27 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
38)	2-Butanone	10.37	43	2677741	Below Cal	94
39)	1,1-Dichloropropene	10.44	75	1335684	199.51 ug/Kg	95
40)	Propionitrile	10.78	54	844412	Below Cal #	63
41)	Methacrylonitrile	10.80	41	6334686	2178.21 ug/Kg	98
42)	Benzene	10.76	78	3032165	187.57 ug/Kg	100
43)	TAME	10.82	73	2373406	178.60 ug/Kg	98
45)	1,2-Dichloroethane	11.01	62	1451444	182.29 ug/Kg	98
46)	Trichloroethene	11.45	95	901121	189.45 ug/Kg	94
47)	Methylcyclohexane	11.47	83	1242545	196.41 ug/Kg	97
48)	Dibromomethane	11.98	93	587283	195.07 ug/Kg	97
49)	1,2-Dichloropropane	12.08	63	1053862	196.87 ug/Kg	98
50)	Bromodichloromethane	12.13	83	1387353	213.05 ug/Kg	97
51)	Methyl methacrylate	12.22	41	972029	170.50 ug/Kg	99
52)	2-Chloroethyl vinyl ether	12.71	63	1773217	862.86 ug/Kg	96
53)	cis-1,3-Dichloropropene	12.85	75	1512409	209.33 ug/Kg	99
56)	Toluene	13.13	91	3038667	216.93 ug/Kg	97
57)	2-Nitropropane	13.39	41	1255476	994.89 ug/Kg	94
58)	4-Methyl-2-pentanone	13.49	43	4826771	869.49 ug/Kg	97
59)	trans-1,3-Dichloropropene	13.57	75	1178932	218.14 ug/Kg	96
60)	Tetrachloroethene	13.59	166	801767	222.58 ug/Kg	98
61)	Ethyl methacrylate	13.65	69	1027155	209.92 ug/Kg	92
62)	1,1,2-Trichloroethane	13.77	83	603366	205.54 ug/Kg	97
63)	Dibromochloromethane	13.99	129	838025	224.44 ug/Kg	99
64)	1,3-Dichloropropane	14.09	76	1238540	207.97 ug/Kg	98
65)	1,2-Dibromoethane	14.30	107	688045	206.50 ug/Kg	91
66)	2-hexanone	14.41	43	3853168	845.93 ug/Kg	100
67)	1-Chlorohexane	14.74	91	1123628	230.83 ug/Kg	97
68)	Ethylbenzene	14.82	91	3284936	218.36 ug/Kg	99
69)	Chlorobenzene	14.85	112	1814263	218.24 ug/Kg	97
70)	1,1,1,2-Tetrachloroethane	14.89	131	718761	229.89 ug/Kg	92
71)	m,p-Xylene	14.97	91	5016394	407.79 ug/Kg	100
72)	o-Xylene	15.43	91	2833918	220.86 ug/Kg	99
73)	Styrene	15.48	104	1973327	227.88 ug/Kg	99
74)	Bromoform	15.57	173	520939	237.92 ug/Kg	97
75)	Isopropylbenzene	15.73	105	2656678	221.67 ug/Kg	98
78)	cis-1,4-Dichloro-2-butene	16.07	53	359660	184.31 ug/Kg	91
79)	n-Propylbenzene	16.12	91	3953215	199.55 ug/Kg	94
80)	Bromobenzene	16.18	156	753255	196.68 ug/Kg	94
81)	1,1,2,2-Tetrachloroethane	16.19	83	791830	176.03 ug/Kg	99
82)	1,3,5-Trimethylbenzene	16.28	105	2536815	200.81 ug/Kg	100
83)	2-Chlorotoluene	16.32	91	2795341	202.33 ug/Kg	98
84)	trans-1,4-Dichloro-2-Buten	16.36	53	290981	369.44 ug/Kg	95
85)	1,2,3-Trichloropropane	16.36	110	178497	180.43 ug/Kg	93
86)	Cyclohexanone	16.44	55	127552	902.45 ug/Kg	94
87)	4-Chlorotoluene	16.47	91	2523417	200.26 ug/Kg	100
88)	tert-Butylbenzene	16.60	91	1744446	198.53 ug/Kg	98
89)	1,2,4-Trimethylbenzene	16.66	105	2474772	194.76 ug/Kg	96
90)	Pentachloroethane	16.67	167	436062	192.33 ug/Kg	88
91)	sec-Butylbenzene	16.76	105	3165622	199.15 ug/Kg	98

(#) = qualifier out of range (m) = manual integration
G0054783.D APP9-GR.M Thu Dec 11 15:16:56 2008 Page 2

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054783.D Vial: 6
Acq On : 11 Dec 2008 1:53 pm Operator: MikeM
Sample : ic2070-6 Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:05:28 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:05:27 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

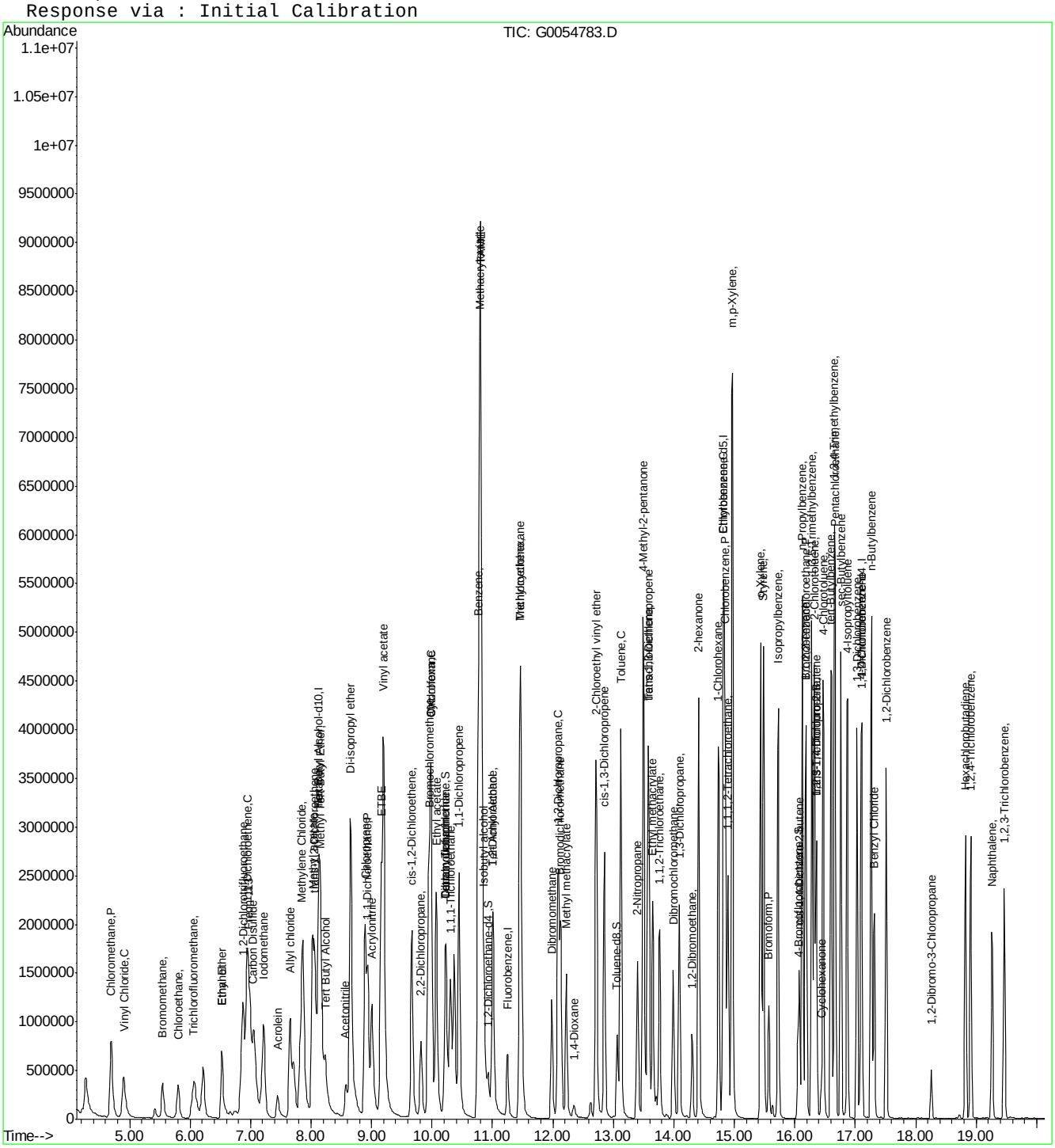
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
92)	4-Isopropyltoluene	16.87	119	2328915	195.87	ug/Kg	97
93)	1,3-Dichlorobenzene	17.03	146	1367782	200.11	ug/Kg	96
94)	1,4-Dichlorobenzene	17.11	146	1386298	202.33	ug/Kg	97
95)	n-Butylbenzene	17.27	92	1644547	218.26	ug/Kg	99
96)	Benzyl Chloride	17.32	126	242855	193.89	ug/Kg#	84
97)	1,2-Dichlorobenzene	17.51	146	1268106	197.59	ug/Kg	95
98)	1,2-Dibromo-3-Chloropropan	18.26	75	139583	175.79	ug/Kg	87
99)	Hexachlorobutadiene	18.82	225	627652	207.38	ug/Kg	85
100)	1,2,4-Trichlorobenzene	18.91	180	879643	204.07	ug/Kg	99
101)	Naphthalene	19.27	128	1493839	187.46	ug/Kg	100
102)	1,2,3-Trichlorobenzene	19.46	180	728773	191.89	ug/Kg	99
104)	Ethanol	6.52	45	585223	4664.95	ug/Kg	99
105)	Acrolein	7.45	56	372972	1197.96	ug/Kg	99
106)	Tert Butyl Alcohol	8.24	59	698365	1999.18	ug/Kg	85
107)	Isobutyl alcohol	10.86	42	466054	3653.30	ug/Kg	95
108)	Tert Amyl Alcohol	11.00	59	614894	2051.15	ug/Kg	94
109)	1,4-Dioxane	12.35	88	104136	4364.78	ug/Kg	76

(#) = qualifier out of range (m) = manual integration (+) = signals summed
G0054783.D APP9-GR.M Thu Dec 11 15:16:56 2008 Page 3

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054783.D Vial: 6
Acq On : 11 Dec 2008 1:53 pm Operator: MikeM
Sample : ic2070-6 Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:06 2008 Quant Results File: APP9-GR.RES

Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:10:45 2008
Response via : Initial Calibration

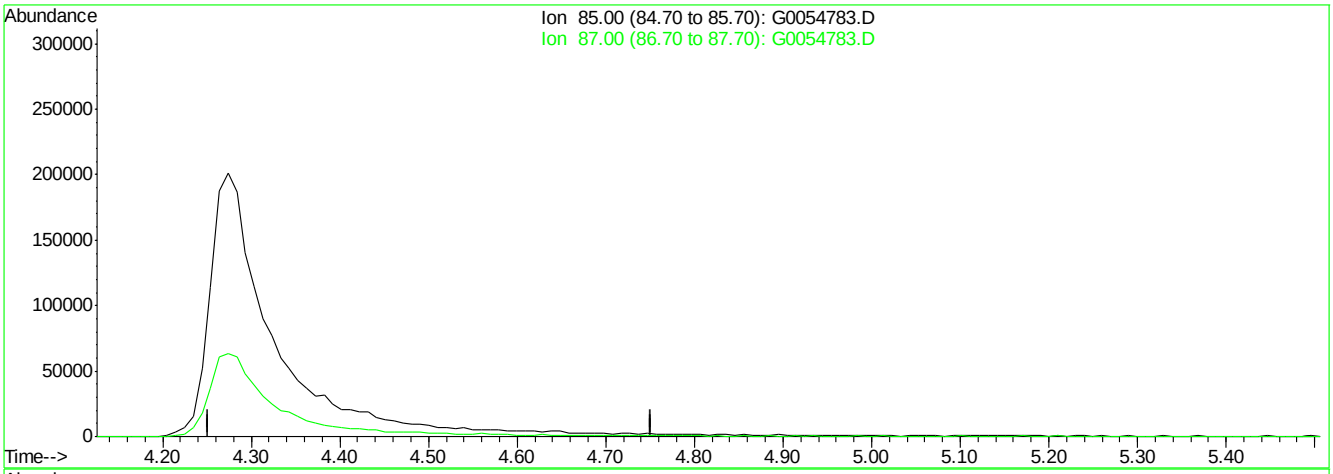


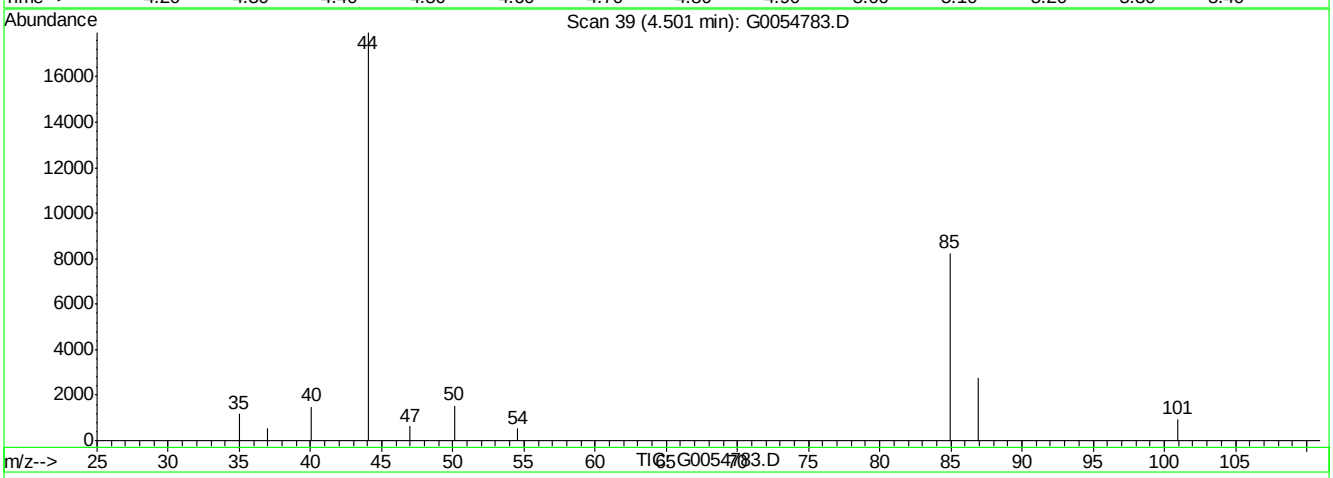
ACCUTEST Laboratories F61975

Quantitation Report (Qedit)

Data File : G:\HPCHEM\1\DATA\121108\G0054783.D Vial: 6
Acq On : 11 Dec 2008 1:53 pm Operator: MikeM
Sample : ic2070-6 Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:05 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:05:29 2008
Response via : Multiple Level Calibration





(2) Dichlorodifluoromethane ( )

4.50min (-4.502) 0.00ug/Kg

response 0

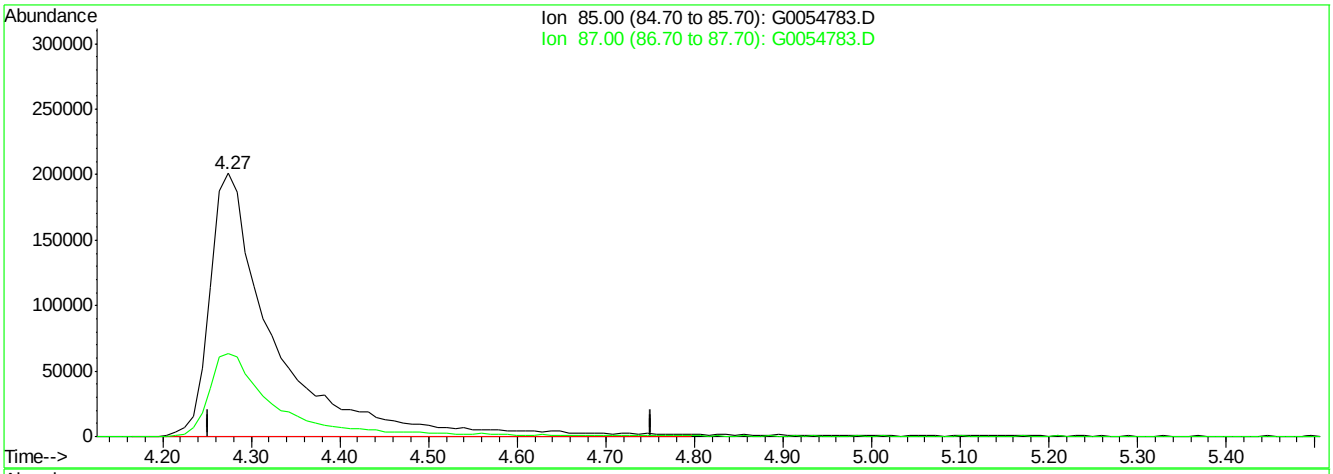
Ion	Exp%	Act%
85.00	100	0.00
87.00	35.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

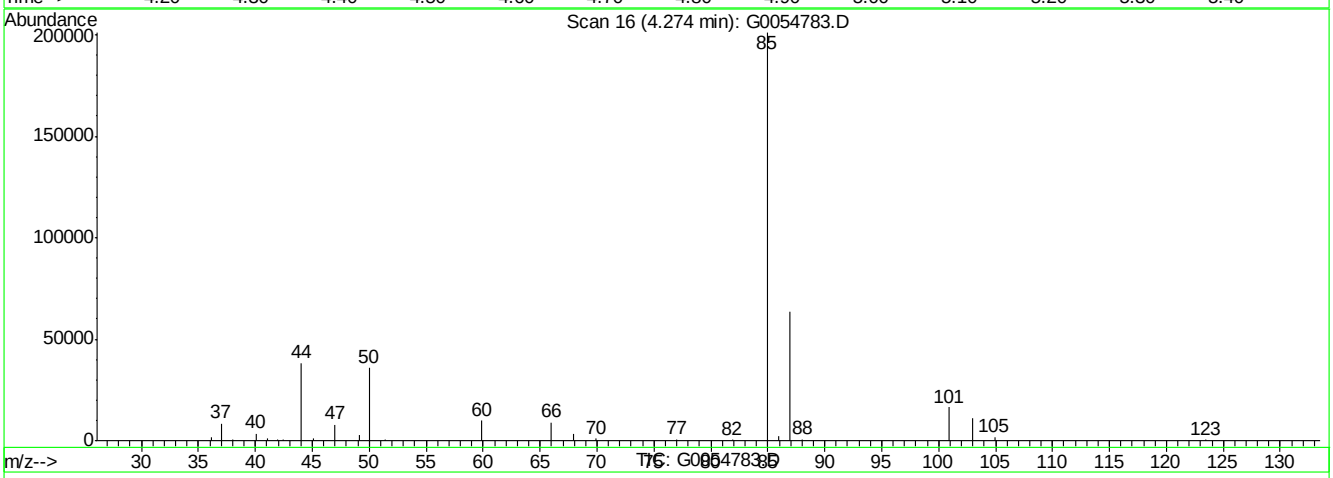
G0054783.D APP9-GR.M Thu Dec 11 15:06:51 2008

Quantitation Report (Qedit)

Data File : G:\HPCHEM\1\DATA\121108\G0054783.D Vial: 6
Acq On : 11 Dec 2008 1:53 pm Operator: MikeM
Sample : ic2070-6 Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:06 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:05:29 2008
Response via : Multiple Level Calibration





(2) Dichlorodifluoromethane ( )

4.27min (-0.228) 0.00ug/Kg m

response 1027711

Ion	Exp%	Act%
85.00	100	100
87.00	35.60	31.51
0.00	0.00	0.00
0.00	0.00	0.00

G0054783.D APP9-GR.M Thu Dec 11 15:06:55 2008

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054784.D Vial: 7
Acq On : 11 Dec 2008 2:19 pm Operator: MikeM
Sample : icv2070-3 Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:13:12 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:10:45 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	11.25	96	622502	50.00	ug/Kg	0.00
54) Chlorobenzene-d5	14.83	117	442657	50.00	ug/Kg	0.01
76) 1,4-Dichlorobenzene-d4	17.09	152	230919	50.00	ug/Kg	0.00
103) Tert Butyl Alcohol-d10	8.13	65	67535	250.00	ug/Kg	0.00
System Monitoring Compounds						
35) Dibromofluoromethane	10.24	113	193845	48.87	ug/Kg	0.01
Spiked Amount 50.000	Range 80 - 121		Recovery = 97.74%			
44) 1,2-Dichloroethane-d4	10.93	65	246127	47.43	ug/Kg	0.00
Spiked Amount 50.000	Range 77 - 123		Recovery = 94.86%			
55) Toluene-d8	13.07	98	644781	51.02	ug/Kg	0.00
Spiked Amount 50.000	Range 71 - 130		Recovery = 102.04%			
77) 4-Bromofluorobenzene	16.05	174	189020	46.87	ug/Kg	0.00
Spiked Amount 50.000	Range 59 - 148		Recovery = 93.74%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.27	85	178518	34.61	ug/Kg	92
3) Chloromethane	4.69	50	349558	46.66	ug/Kg	97
4) Vinyl Chloride	4.90	62	221082	43.11	ug/Kg	94
5) Bromomethane	5.56	94	104581	46.91	ug/Kg	93
6) Chloroethane	5.81	64	110079	44.41	ug/Kg	90
7) Trichlorofluoromethane	6.08	101	212090	47.57	ug/Kg	95
8) Ethyl Ether	6.53	59	146886	43.14	ug/Kg	86
9) 1,2-Dichlorotrifluoroethan	6.88	67	350679	46.09	ug/Kg	95
10) 1,1-Dichloroethene	6.94	61	404357	50.31	ug/Kg	97
11) Freon 113	6.98	101	203167	46.99	ug/Kg	94
12) Carbon Disulfide	7.05	76	636460	41.92	ug/Kg	98
13) Iodomethane	7.22	142	370133	39.87	ug/Kg	97
14) Allyl chloride	7.65	41	514419	60.36	ug/Kg	95
15) Methylene Chloride	7.85	49	429362	50.22	ug/Kg	98
16) Acetone	7.87	43	447648	143.16	ug/Kg	99
17) Methyl acetate	8.02	43	948680	266.37	ug/Kg	100
18) trans-1,2-Dichloroethene	8.06	61	416461	50.86	ug/Kg	99
19) Hexane	8.14	56	246308	54.16	ug/Kg	97
20) Methyl Tert Butyl Ether	8.17	73	554699	44.64	ug/Kg	93
21) Acetonitrile	8.58	41	153912	516.67	ug/Kg	97
22) Di-isopropyl ether	8.66	45	1108344	47.60	ug/Kg	98
23) Chloroprene	8.90	53	460887	55.39	ug/Kg	99
24) 1,1-Dichloroethane	8.94	63	495316	51.53	ug/Kg	92
25) Acrylonitrile	9.01	53	329916	215.49	ug/Kg	93
26) ETBE	9.16	59	845953	46.60	ug/Kg	97
27) Vinyl acetate	9.20	43	1524204	171.88	ug/Kg	100
28) cis-1,2-Dichloroethene	9.67	96	232507	50.02	ug/Kg	98
29) 2,2-Dichloropropane	9.82	77	172179	52.90	ug/Kg	97
30) Bromochloromethane	9.94	128	108733	42.48	ug/Kg	93
31) Cyclohexane	9.97	56	453725	52.14	ug/Kg	95
32) Chloroform	9.99	83	482667	52.96	ug/Kg	97
33) Ethyl acetate	10.07	43	1509116	368.58	ug/Kg	99
34) Tetrahydrofuran	10.23	42	81128	41.24	ug/Kg	94
36) Carbon Tetrachloride	10.22	117	314031	51.61	ug/Kg	96

(#) = qualifier out of range (m) = manual integration
G0054784.D APP9-GR.M Thu Dec 11 15:17:06 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054784.D Vial: 7
Acq On : 11 Dec 2008 2:19 pm Operator: MikeM
Sample : icv2070-3 Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:13:12 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:10:45 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
37)	1,1,1-Trichloroethane	10.31	97	328564	52.28	ug/Kg	87
38)	2-Butanone	10.37	43	637678	162.59	ug/Kg	94
39)	1,1-Dichloropropene	10.44	75	338818	49.22	ug/Kg	92
40)	Propionitrile	10.78	54	241183	410.14	ug/Kg#	64
41)	Methacrylonitrile	10.80	41	1866824	424.24	ug/Kg	99
42)	Benzene	10.77	78	838063	50.93	ug/Kg	94
43)	TAME	10.82	73	620987	46.26	ug/Kg	98
45)	1,2-Dichloroethane	11.01	62	381899	47.33	ug/Kg	99
46)	Trichloroethene	11.46	95	240771	49.65	ug/Kg	98
47)	Methylcyclohexane	11.47	83	365024	56.27	ug/Kg	96
48)	Dibromomethane	11.98	93	148184	48.05	ug/Kg	96
49)	1,2-Dichloropropane	12.09	63	269319	49.04	ug/Kg	98
50)	Bromodichloromethane	12.13	83	325116	48.02	ug/Kg	98
51)	Methyl methacrylate	12.22	41	262402	45.88	ug/Kg	97
52)	2-Chloroethyl vinyl ether	12.71	63	656294	317.75	ug/Kg	89
53)	cis-1,3-Dichloropropene	12.85	75	388854	51.92	ug/Kg	96
56)	Toluene	13.13	91	854465	52.40	ug/Kg	100
57)	2-Nitropropane	13.40	41	315047	217.28	ug/Kg	93
58)	4-Methyl-2-pentanone	13.49	43	1359344	218.04	ug/Kg	96
59)	trans-1,3-Dichloropropene	13.57	75	339538	53.91	ug/Kg	94
60)	Tetrachloroethene	13.59	166	228285	54.18	ug/Kg	95
61)	Ethyl methacrylate	13.65	69	254479	44.93	ug/Kg#	84
62)	1,1,2-Trichloroethane	13.77	83	162936	48.13	ug/Kg	93
63)	Dibromochloromethane	13.99	129	218602	49.98	ug/Kg	93
64)	1,3-Dichloropropane	14.09	76	320042	46.50	ug/Kg	95
65)	1,2-Dibromoethane	14.30	107	178574	46.43	ug/Kg	93
66)	2-hexanone	14.41	43	1027687	201.71	ug/Kg	98
67)	1-Chlorohexane	14.73	91	316494	55.22	ug/Kg	97
68)	Ethylbenzene	14.82	91	931755	53.14	ug/Kg	98
69)	Chlorobenzene	14.85	112	507708	52.40	ug/Kg	98
70)	1,1,1,2-Tetrachloroethane	14.89	131	188711	51.30	ug/Kg	98
71)	m,p-Xylene	14.97	91	1530462	108.02	ug/Kg	99
72)	o-Xylene	15.43	91	788047	52.58	ug/Kg	99
73)	Styrene	15.48	104	548963	53.97	ug/Kg	98
74)	Bromoform	15.57	173	124418	43.01	ug/Kg	92
75)	Isopropylbenzene	15.73	105	778311	55.56	ug/Kg	98
78)	cis-1,4-Dichloro-2-butene	16.07	53	92383	43.97	ug/Kg#	84
79)	n-Propylbenzene	16.12	91	1137480	52.66	ug/Kg	98
80)	Bromobenzene	16.18	156	209596	50.31	ug/Kg	99
81)	1,1,2,2-Tetrachloroethane	16.19	83	226888	47.18	ug/Kg	98
82)	1,3,5-Trimethylbenzene	16.28	105	744192	53.97	ug/Kg	99
83)	2-Chlorotoluene	16.32	91	794508	52.62	ug/Kg	99
84)	trans-1,4-Dichloro-2-Buten	16.36	53	77618	91.50	ug/Kg#	85
85)	1,2,3-Trichloropropane	16.36	110	45525	39.55	ug/Kg	90
86)	Cyclohexanone	16.44	55	32862	224.77	ug/Kg	96
87)	4-Chlorotoluene	16.47	91	720816	52.43	ug/Kg	99
88)	tert-Butylbenzene	16.60	91	514438	53.74	ug/Kg	98
89)	1,2,4-Trimethylbenzene	16.65	105	734849	53.25	ug/Kg	98
90)	Pentachloroethane	16.66	167	128789	52.41	ug/Kg	95

(#) = qualifier out of range (m) = manual integration
G0054784.D APP9-GR.M Thu Dec 11 15:17:06 2008 Page 2

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054784.D Vial: 7
Acq On : 11 Dec 2008 2:19 pm Operator: MikeM
Sample : icv2070-3 Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:13:12 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:10:45 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

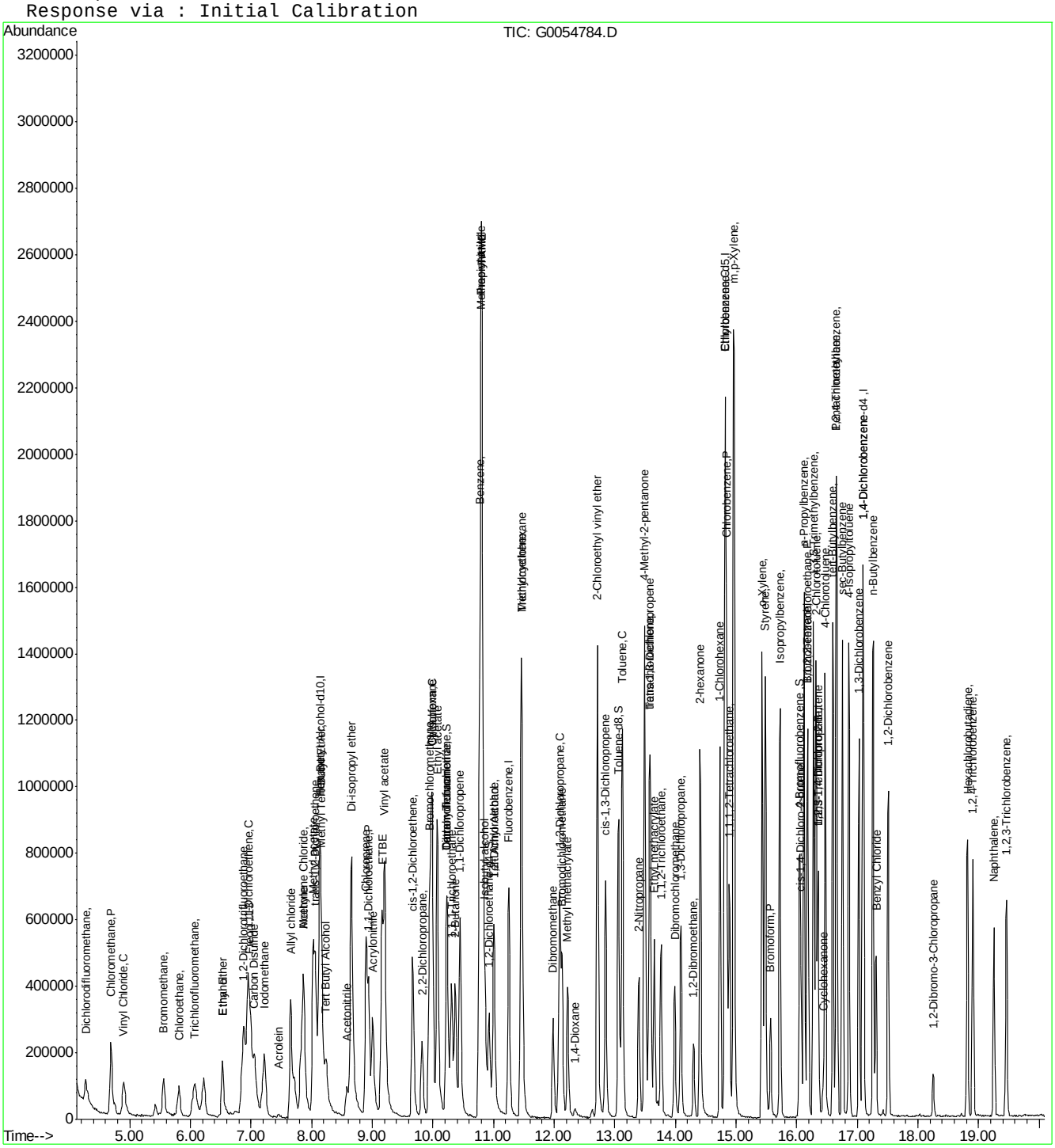
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	sec-Butylbenzene	16.75	105	944649	54.52	ug/Kg	98
92)	4-Isopropyltoluene	16.86	119	705940	54.62	ug/Kg	98
93)	1,3-Dichlorobenzene	17.03	146	380990	51.09	ug/Kg	97
94)	1,4-Dichlorobenzene	17.11	146	385388	51.46	ug/Kg	96
95)	n-Butylbenzene	17.26	92	475470	56.98	ug/Kg	97
96)	Benzyl Chloride	17.32	126	53652	40.07	ug/Kg	95
97)	1,2-Dichlorobenzene	17.51	146	361666	51.76	ug/Kg	98
98)	1,2-Dibromo-3-Chloropropan	18.25	75	35113	45.38	ug/Kg	94
99)	Hexachlorobutadiene	18.82	225	181699	54.70	ug/Kg	91
100)	1,2,4-Trichlorobenzene	18.91	180	241441	51.17	ug/Kg	92
101)	Naphthalene	19.26	128	420117	48.84	ug/Kg	100
102)	1,2,3-Trichlorobenzene	19.46	180	203133	49.36	ug/Kg	97
104)	Ethanol	6.53	45	152446	969.28	ug/Kg	97
105)	Acrolein	7.45	56	16151	40.42	ug/Kg	82
106)	Tert Butyl Alcohol	8.25	59	178100	471.35	ug/Kg	82
107)	Isobutyl alcohol	10.86	42	126944	1039.23	ug/Kg#	81
108)	Tert Amyl Alcohol	11.00	59	165470	508.10	ug/Kg	99
109)	1,4-Dioxane	12.36	88	23519	894.97	ug/Kg	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121108\G0054784.D Vial: 7
Acq On : 11 Dec 2008 2:19 pm Operator: MikeM
Sample : icv2070-3 Inst : MSVOA1
Misc : ms11045,vg2070,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 11 15:12 2008 Quant Results File: APP9-GR.RES

Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:10:45 2008
Response via : Initial Calibration



ACCUTEST Laboratories F61975

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121208\G0054808.D Vial: 1
Acq On : 12 Dec 2008 9:03 am Operator: MikeM
Sample : cc2070-4 Inst : MSVOA1
Misc : ms11045,vg2071,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 09:25:01 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	11.23	96	642669	50.00	ug/Kg	-0.02
54) Chlorobenzene-d5	14.81	117	445077	50.00	ug/Kg	0.00
76) 1,4-Dichlorobenzene-d4	17.08	152	229208	50.00	ug/Kg	0.00
103) Tert Butyl Alcohol-d10	8.11	65	54225	250.00	ug/Kg	-0.02
System Monitoring Compounds						
35) Dibromofluoromethane	10.22	113	202506	49.45	ug/Kg	0.00
Spiked Amount 50.000	Range 80 - 121		Recovery = 98.90%			
44) 1,2-Dichloroethane-d4	10.92	65	234928	43.85	ug/Kg	0.00
Spiked Amount 50.000	Range 77 - 123		Recovery = 87.70%			
55) Toluene-d8	13.05	98	660801	52.00	ug/Kg	-0.02
Spiked Amount 50.000	Range 71 - 130		Recovery = 104.00%			
77) 4-Bromofluorobenzene	16.04	174	195244	48.77	ug/Kg	0.00
Spiked Amount 50.000	Range 59 - 148		Recovery = 97.54%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.26	85	489220	91.87	ug/Kg	95
3) Chloromethane	4.68	50	720763	93.19	ug/Kg	99
4) Vinyl Chloride	4.89	62	494045	93.32	ug/Kg	99
5) Bromomethane	5.53	94	220802	95.94	ug/Kg	93
6) Chloroethane	5.79	64	244442	95.53	ug/Kg	96
7) Trichlorofluoromethane	6.05	101	445559	96.81	ug/Kg	98
8) Ethyl Ether	6.51	59	283838	80.75	ug/Kg	97
9) 1,2-Dichlorotrifluoroethan	6.86	67	770185	98.04	ug/Kg	96
10) 1,1-Dichloroethene	6.92	61	819740	98.79	ug/Kg	100
11) Freon 113	6.96	101	425385	95.29	ug/Kg	95
12) Carbon Disulfide	7.03	76	1597200	101.90	ug/Kg	98
13) Iodomethane	7.20	142	921409	96.15	ug/Kg	96
14) Allyl chloride	7.63	41	924149	105.03	ug/Kg	95
15) Methylene Chloride	7.83	49	846196	95.87	ug/Kg	97
16) Acetone	7.86	43	1083144	359.87	ug/Kg	97
17) Methyl acetate	8.01	43	1296980	352.73	ug/Kg	100
18) trans-1,2-Dichloroethene	8.05	61	813525	96.24	ug/Kg	99
19) Hexane	8.12	56	455190	96.94	ug/Kg	98
20) Methyl Tert Butyl Ether	8.15	73	1000389	77.98	ug/Kg	93
21) Acetonitrile	8.57	41	268756	873.87	ug/Kg	98
22) Di-isopropyl ether	8.64	45	2095158	87.15	ug/Kg	99
23) Chloroprene	8.88	53	883631	102.87	ug/Kg	96
24) 1,1-Dichloroethane	8.93	63	943200	95.05	ug/Kg	99
25) Acrylonitrile	8.98	53	595216	376.57	ug/Kg	94
26) ETBE	9.14	59	1573437	83.96	ug/Kg	100
27) Vinyl acetate	9.18	43	4344593	474.56	ug/Kg	99
28) cis-1,2-Dichloroethene	9.65	96	450746	93.94	ug/Kg	94
29) 2,2-Dichloropropane	9.80	77	332631	99.00	ug/Kg	94
30) Bromochloromethane	9.92	128	228810	86.58	ug/Kg	87
31) Cyclohexane	9.95	56	875005	97.39	ug/Kg	96
32) Chloroform	9.98	83	867452	92.20	ug/Kg	97
33) Ethyl acetate	10.06	43	1684950	398.61	ug/Kg	98
34) Tetrahydrofuran	10.21	42	123870	61.00	ug/Kg	86
36) Carbon Tetrachloride	10.21	117	568990	90.57	ug/Kg	99

(#) = qualifier out of range (m) = manual integration
G0054808.D APP9-GR.M Fri Dec 12 12:43:46 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121208\G0054808.D Vial: 1
Acq On : 12 Dec 2008 9:03 am Operator: MikeM
Sample : cc2070-4 Inst : MSVOA1
Misc : ms11045,vg2071,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 09:25:01 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
37)	1,1,1-Trichloroethane	10.30	97	610072	94.02	ug/Kg	94
38)	2-Butanone	10.36	43	1238488	324.93	ug/Kg	92
39)	1,1-Dichloropropene	10.43	75	691062	97.25	ug/Kg	97
40)	Propionitrile	10.76	54	372934	638.88	ug/Kg#	62
41)	Methacrylonitrile	10.78	41	2890294	662.58	ug/Kg	98
42)	Benzene	10.75	78	1606280	94.56	ug/Kg	98
43)	TAME	10.80	73	1097906	79.22	ug/Kg	98
45)	1,2-Dichloroethane	11.00	62	663326	79.63	ug/Kg	99
46)	Trichloroethene	11.44	95	470764	94.03	ug/Kg	95
47)	Methylcyclohexane	11.45	83	661402	98.75	ug/Kg	96
48)	Dibromomethane	11.96	93	254898	80.06	ug/Kg	97
49)	1,2-Dichloropropane	12.07	63	490006	86.43	ug/Kg	97
50)	Bromodichloromethane	12.11	83	619812	88.67	ug/Kg	95
51)	Methyl methacrylate	12.21	41	408310	69.14	ug/Kg	96
52)	2-Chloroethyl vinyl ether	12.70	63	768591	360.45	ug/Kg	90
53)	cis-1,3-Dichloropropene	12.84	75	702660	90.88	ug/Kg	96
56)	Toluene	13.11	91	1585684	96.70	ug/Kg	95
57)	2-Nitropropane	13.38	41	485295	332.88	ug/Kg	96
58)	4-Methyl-2-pentanone	13.48	43	2000123	319.08	ug/Kg	98
59)	trans-1,3-Dichloropropene	13.55	75	526448	83.13	ug/Kg	99
60)	Tetrachloroethene	13.58	166	412023	97.26	ug/Kg	96
61)	Ethyl methacrylate	13.64	69	448345	78.73	ug/Kg	95
62)	1,1,2-Trichloroethane	13.75	83	269313	79.11	ug/Kg	97
63)	Dibromochloromethane	13.97	129	370590	84.27	ug/Kg	99
64)	1,3-Dichloropropane	14.07	76	550363	79.53	ug/Kg	93
65)	1,2-Dibromoethane	14.29	107	299094	77.35	ug/Kg	90
66)	2-hexanone	14.40	43	1734842	338.65	ug/Kg	100
67)	1-Chlorohexane	14.72	91	572896	99.40	ug/Kg	96
68)	Ethylbenzene	14.80	91	1724310	97.80	ug/Kg	98
69)	Chlorobenzene	14.83	112	924716	94.92	ug/Kg	90
70)	1,1,1,2-Tetrachloroethane	14.88	131	345984	93.54	ug/Kg	94
71)	m,p-Xylene	14.95	91	2742304	192.50	ug/Kg	98
72)	o-Xylene	15.42	91	1429811	94.89	ug/Kg	99
73)	Styrene	15.47	104	946513	92.54	ug/Kg	96
74)	Bromoform	15.56	173	209033	71.87	ug/Kg	98
75)	Isopropylbenzene	15.72	105	1355052	96.21	ug/Kg	97
78)	cis-1,4-Dichloro-2-butene	16.06	53	149937	71.90	ug/Kg	91
79)	n-Propylbenzene	16.11	91	2045647	95.40	ug/Kg	98
80)	Bromobenzene	16.17	156	378283	91.48	ug/Kg	88
81)	1,1,2,2-Tetrachloroethane	16.18	83	330533	69.25	ug/Kg	100
82)	1,3,5-Trimethylbenzene	16.27	105	1306516	95.45	ug/Kg	97
83)	2-Chlorotoluene	16.31	91	1440089	96.08	ug/Kg	95
84)	trans-1,4-Dichloro-2-Buten	16.35	53	117326	139.35	ug/Kg	97
85)	1,2,3-Trichloropropane	16.35	110	76823	67.23	ug/Kg	91
86)	Cyclohexanone	16.43	55	55541	382.72	ug/Kg	95
87)	4-Chlorotoluene	16.46	91	1305529	95.67	ug/Kg	92
88)	tert-Butylbenzene	16.60	91	895561	94.25	ug/Kg	97
89)	1,2,4-Trimethylbenzene	16.64	105	1310019	95.63	ug/Kg	96
90)	Pentachloroethane	16.66	167	244776	100.35	ug/Kg	89

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121208\G0054808.D Vial: 1
Acq On : 12 Dec 2008 9:03 am Operator: MikeM
Sample : cc2070-4 Inst : MSVOA1
Misc : ms11045,vg2071,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 09:25:01 2008 Quant Results File: APP9-GR.RES

Quant Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration
DataAcq Meth : 8260VMS

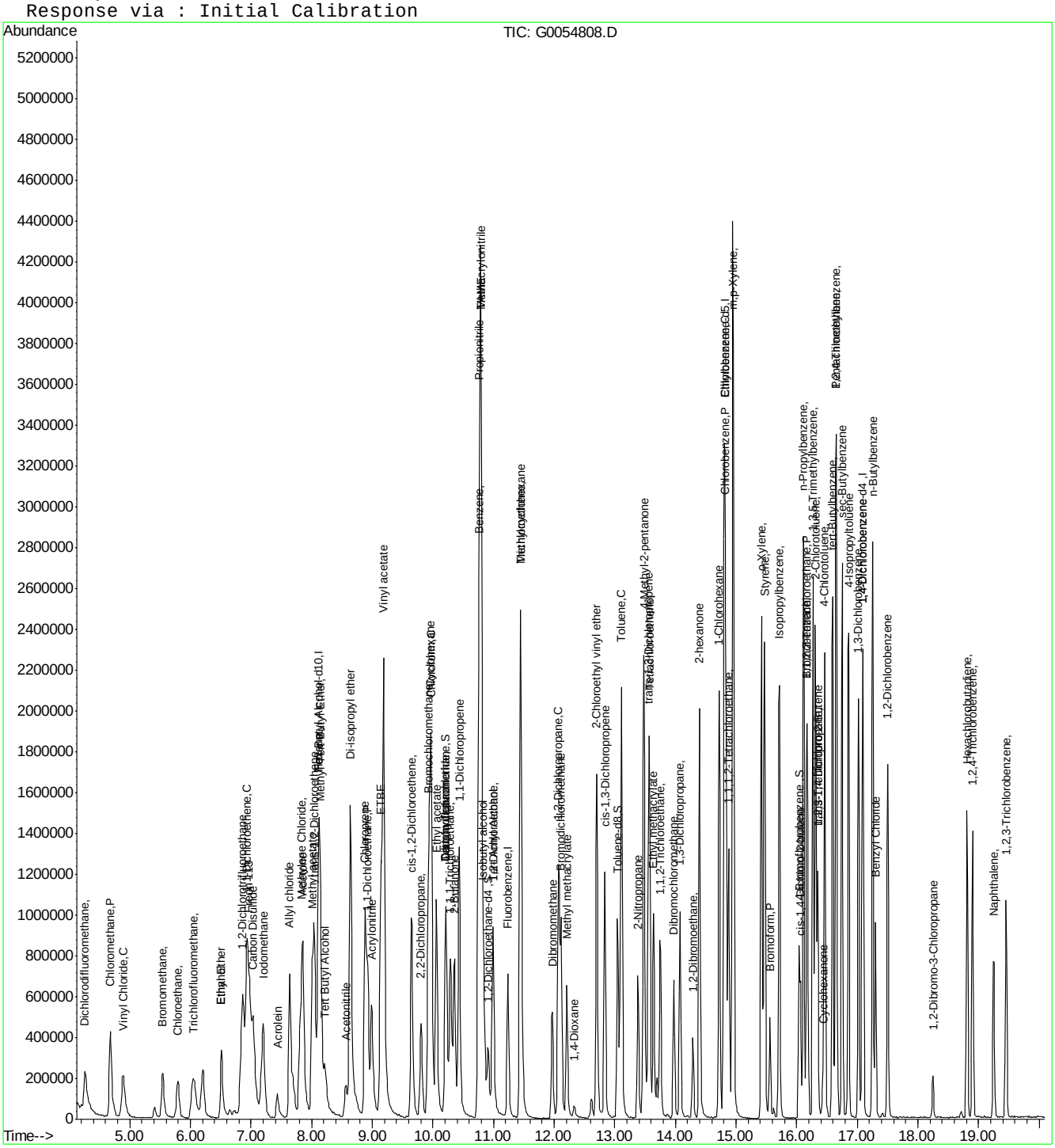
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	sec-Butylbenzene	16.75	105	1709509	99.40	ug/Kg	99
92)	4-Isopropyltoluene	16.86	119	1249826	97.42	ug/Kg	96
93)	1,3-Dichlorobenzene	17.02	146	698384	94.36	ug/Kg	94
94)	1,4-Dichlorobenzene	17.10	146	666307	89.64	ug/Kg	96
95)	n-Butylbenzene	17.26	92	835967	100.93	ug/Kg	97
96)	Benzyl Chloride	17.30	126	104180	78.39	ug/Kg#	88
97)	1,2-Dichlorobenzene	17.50	146	607958	87.67	ug/Kg	96
98)	1,2-Dibromo-3-Chloropropan	18.25	75	49935	65.02	ug/Kg	88
99)	Hexachlorobutadiene	18.81	225	332885	100.96	ug/Kg	90
100)	1,2,4-Trichlorobenzene	18.90	180	413128	88.22	ug/Kg	99
101)	Naphthalene	19.26	128	590359	69.14	ug/Kg	98
102)	1,2,3-Trichlorobenzene	19.45	180	336742	82.44	ug/Kg	98
104)	Ethanol	6.51	45	267482	2118.15	ug/Kg	97
105)	Acrolein	7.44	56	173427	540.52	ug/Kg	98
106)	Tert Butyl Alcohol	8.22	59	247582	816.07	ug/Kg	72
107)	Isobutyl alcohol	10.84	42	178495	1819.94	ug/Kg	93
108)	Tert Amyl Alcohol	10.99	59	221285	846.27	ug/Kg	95
109)	1,4-Dioxane	12.34	88	39635	1878.44	ug/Kg	79

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : G:\HPCHEM\1\DATA\121208\G0054808.D Vial: 1
Acq On : 12 Dec 2008 9:03 am Operator: MikeM
Sample : cc2070-4 Inst : MSVOA1
Misc : ms11045,vg2071,5.00,,,,, Multiplr: 1.00
MS Integration Params: small.p
Quant Time: Dec 12 9:24 2008 Quant Results File: APP9-GR.RES

Method : C:\MSDCHEM\1\METHODS\APP9-GR.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Dec 11 15:15:10 2008
Response via : Initial Calibration



ACCUTEST Laboratories F61975

ACCUTEST LABORATORIES SE

DATE:	12/11/08
COLUMN TYPE:	RTXVMS
DETECTOR:	5970 MSD
INSTRUMENT:	MSVOA1-G
PURGE PRESSURE:	20
ANALYST:	MM

MS VOA1-G ANALYSIS LOG

METHODS:*	8260
METHOD FILE:	BP09.GR
CALIB. DATE:	12/10/08
EM VOLTAGE:	1400
BFB RESPONSE:	334364
RUN ID:	VG 2070

STANDARDS

BFB:	V8807 (12/21)
ICAL/CCV:	V8859 V8806 V8834 V8869 V8784
ISTD/SURR:	V8791
ICV/QC:	V8872 V8792 V8800 V8761 V8831
METHANOL LOT #:	632E79

12/15 12/16 12/12 12/17 12/29 12/18 1110 12/25 12/11 12/28

DATA FILE	SAMPLE ID, DIL.	Vial #	MATRIX	SAMPLE AMT.	MeOH Aliq.	ALS POSITION	ANALYTICAL METHOD	PREP METHOD	RR	COMMENTS
G 0054772	BFB	-	-	-	-	-	-	-	-	RVG 2uL BFB
G 73	CC2069-4	-	S	5.00	N	1	8260	-	-	
G 74	BS	-				2		-	-	
G 75	MB	-				3		-	-	
G 76	Test Mix	-				4		-	-	
G 77	BFB	-	-	-	-	-	-	-	-	RVG 2uL BFB
G 78	ZC2070-1	-	S	5.00	N	1	8260	N	N	
G 79	-2	N				2				
G 80	-3					3				
G 81	ZCC2070-4					4				
G 82	ZC2070-5					5				
G 87	6					6				
G 84	ZCV2070-3					7				
G 85	BS -3					8				
G 86	MB					9				
G 87	F0829-2	G3576		5.82	20	10		BN	1µL	RR
G 88	3	G3578		5.47	N	11		BN	-	
G 89	7MV	-		5.34 µL	N	12		Soxh	-	
G 90	3MD µL 12/14	-		5.43 µL	N	13		↓	-	
G 91	F61932-4	G3791		5.44	N	14		BN	-	255 + 12/13,14 ISL
G 92	F61904-3	G3654		5.47	100	15		BN	-	
G 93	5	G3660		5.00	N	16		pt EN µL 12/14	-	TB
G 94	F61932-2	G3745		5.31	100	17		BN	-	
G 95	5	G3754		5.59	10	18		BN	-	
G 96	6	G3756		5.29	N	19		BN	-	
G 97	7	G3759		6.16	N	20		BN	-	
G 98	8	G3760 12/14		5.67	20	21		BN	1X	RR

Matrix: Designate "W" for Water, "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate

* For NELAC purposes, Method 8260 includes analytes by SOP MS005

MSVOA1_G_log.xls 11/06

Analyst's Signature: MM

ACCUTEST LABORATORIES SE

DATE:	12/11/08
COLUMN TYPE:	
DETECTOR:	5970 MSD
INSTRUMENT:	MSVOA1-G
PURGE PRESSURE:	
ANALYST:	MM

MS VOA1-G ANALYSIS LOG

METHODS:*	
METHOD FILE:	
CALIB. DATE:	
EM VOLTAGE:	
BFB RESPONSE:	
RUN ID:	VG2070

Cont p.28

STANDARDS -

BFB:	
ICAL/CCV:	
ISTD/SURR:	
ICV/QC:	
METHANOL LOT #:	

DATA FILE	SAMPLE ID, DIL.	Vial #	MATRIX	SAMPLE AMT.	MeOH Aliq.	ALS POSITION	ANALYTICAL METHOD	PREP METHOD	RR	COMMENTS
G 0054799	F61932-9	63765	S	5.80	N	22	8260	EN	-	✓
G 800	-10	63768	↓	5.00	N	23	↓	pt	-	TB ✓
G 01	F61918-8	64082	↓	5.00	N	24	↓	pt	=	TB ✓
G 02	F61975-1	63858	↓	5.39	N	25	↓	EN	=	✓
G 03	2	63865	↓	5.98	100	26	↓	EN	-	✓
G 04	3	63868	↓	5.20	20 [illegible]	27	↓	EN	1X	RR
G 05	B	-	↓	5.00	N [illegible]	28	↓	-	-	✓
G 06	B	-	↓	↓	N	29	↓	-	-	✓
G										
G										
G										
G										
G										
G										
G										
G										
G										
G										
G										
G										
G										
G										
G										
G										
G										
G										
G										

MM 12/12/08

Matrix: Designate "W" for Water, "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate

* For NELAC purposes, Method 8260 includes analytes by SOP MS005

MSVOA1_G_log.xls 11/06

Analyst's Signature: MM

5035A SOIL PREP LOG

Serial #	Sample #	Vial Type or Vial Lot #	Tare Wt gram	Total Wt gram	Sample Wt gram	Date	Time	Initials	Container Type *	Comments
G3564	FG1815-7	M				11-26-08	15:27	CL	PT	TB
65	FG1845-1	W					17:05			TB
66	1	W								
67	1	M								
68	2	W	31.54	38.21	6.67					In hold
69	2	W	31.43	38.01	6.58					
70	2	M		36.70						no tare weight
G3571	F61879-1	W AC1498			5.41	12/02/04	10:25	SB	EN	In Hold
72		W			5.18					
73		M AC1457			4.50					F
74	F61879-2	W			6.17					
75		W			5.99					
76		M			5.82					
77	F61879-3	W			5.81					
78		W			5.47					
79		M			5.17					
80	F61879-4	W							Trip Blanks	
81		W								
82		M								
83	F61880-1	W	31.37	39.87	8.50				PT	
84		W	31.45	39.10	7.65					
85		M	29.87	38.14	8.27					
86	F61880-2	W					10:48		Trip Blank	

Container Type: PT for pre-tared vials (field kits): EN for Encore or similar type: 5030A for samples collected in jars or bulk containers: SL for core sleeve

Comment: N/O for no odor: S/O for slight odor: OOH for Out of Hold

Encore Comment: C for sampler incorrectly capped: P for plunger not locked: F for sampler not completely filled

5035 Soil Prep Log.xls NF rev 05/06

5035A SOIL PREP LOG

Serial #	Sample #	Vial Type or Vial Lot #	Tare Wt gram	Total Wt gram	Sample Wt gram	Date	Time	Initials	Container Type *	Comments
G3771	F61936-1	W AC 14498			6.32	12/04/08	14:05	SB	EN	In Hold
72	↓	M AC 14457			6.11					
73	F61936-2	W			6.33					
74	↓	W			5.65					
75	↓	M			6.06					
76	F61934-1	W			5.59					
77		W			5.76					
78		M			5.23					
79		W			5.55					
80		W			5.66					
81		M			5.69					
82		W			5.57					
83		W			5.62					
84		M			6.07		14:35			
85	F61934-2	W			5.48		14:42			
86	↓	W			5.78					
87	↓	M			5.61					
88	F61934-3	W			5.57					
89	↓	W			5.42					
90	↓	M			5.47					
91	F61934-4	W			5.44					
92	↓	W			5.49					
93	↓	M			5.33		15:05			

Container Type: **PT** for pre-tared vials (field kits): **EN** for Encore or similar type: **5030A** for samples collected in jars or bulk containers: **SL** for core sleeve

Comment: **N/O** for no odor: **S/O** for slight odor: **OOH** for Out of Hold

Encore Comment: **C** for sampler incorrectly capped: **P** for plunger not locked: **F** for sampler not completely filled

5035 Soil Prep Log.xls NF rev 05/06

5035A SOIL PREP LOG

Serial #	Sample #	Vial Type or Vial Lot #	Tare Wt gram	Total Wt gram	Sample Wt gram	Date	Time	Initials	Container Type *	Comments
G3633	F61903-5	W AC1498			5.38	12-3-08	11:55	CL	EN	1yr hold
34	5	M AC1457			5.32					
35	5	M			5.37					
36	6	W			5.53					
37	6	W			5.18					
38	6	M			5.11					
39	6	M			5.31					
40	7	W							TB	
41	7	W								
42	7	M					12:10	CL		
43	F61904-1	W			6.78		12:55	CL	EN	
44	1	W			5.93					
45	1	M			5.98					
46	1	M			6.15					
47	2	W			5.75					
48	2	W			5.81					
49	2	M			5.62					
50	2	M			5.62					
51	3	W			5.66					
52	3	W			5.66					
53	3	M			5.51					
54	3	M			5.43					
55	4	W			5.99		13:13	CL		

Container Type: PT for pre-tared vials (field kits): EN for Encore or similar type: 5030A for samples collected in jars or bulk containers: SL for core sleeve

Comment: N/O for no odor: S/O for slight odor: OOH for Out of Hold

Encore Comment: C for sampler incorrectly capped: P for plunger not locked: F for sampler not completely filled

5035 Soil Prep Log.xls NF rev 05/06

5035A SOIL PREP LOG

Serial #	Sample #	Vial Type or Vial Lot #	Tare Wt gram	Total Wt gram	Sample Wt gram	Date	Time	Initials	Container Type *	Comments
G3656	FG1904-4	w HC1498			5.90	12-3-08	13:14	CL	en	in hold
57	4	M HC1457			6.12					
58	4	m			5.97					
59	5	w								
60	5	w								
61	5	m								
62	FG1896-1	sodium bisulfate	31.29	33.50	2.21				PT	frzn in
63	1	sodium bisulfate	31.40	36.59	5.19					12-3-08 9:15
64	1	m	29.32	33.42	4.10					
65	FG1897-1	w	31.47	38.63	7.16					frzn in
66	1	w	31.51	39.26	7.75					12-3-08 10:45
67	1	m	29.92	36.80	6.88					
68	2	w	31.69	37.08	5.39					
69	2	w	31.05	38.71	7.66					
70	2	m	29.97	37.55	7.58					
71	3	w	31.68	38.93	7.25					
72	3	w	31.31	38.10	6.79					
73	3	m	29.81	37.01	7.20					
74	6	w							TB	
75	6	w								
76	6	m								
77	FG1889-6	w								
78	6	w					13:40	CL		

Container Type: PT for pre-tared vials (field kits): EN for Encore or similar type: 5030A for samples collected in jars or bulk containers: SL for core sleeve

Comment: N/O for no odor: S/O for slight odor: OOH for Out of Hold

Encore Comment: C for sampler incorrectly capped: P for plunger not locked: F for sampler not completely filled

5035 Soil Prep Log.xls NF rev 05/06

5035A SOIL PREP LOG

Serial #	Sample #	Vial Type or Vial Lot #	Tare Wt gram	Total Wt gram	Sample Wt gram	Date	Time	Initials	Container Type *	Comments
G3725	F61931-2	W	31.26	34.93	3.67	12/04/08	11:40	SB	PT	In Hold
26	↓	W	30.90	34.40	3.50	↓	↓	↓	↓	↓
27	↓	M	29.88	33.38	3.56					
28	F61931-3	W	31.59	34.49	2.90					
29	↓	W	31.52	33.84	2.32					
30	↓	M	29.79	31.58	1.79					
31	F61931-4	W	31.47	34.11	2.64					
32	↓	W	31.32	33.81	2.49					
33	↓	M	29.93	32.82	2.89					
34	F61931-5	W	31.38	34.66	3.28					
35	↓	W	31.67	34.04	2.37					
36	↓	M	29.87	32.80	2.93					
37	F61931-6	W	31.54	34.47	2.93					
38	↓	W	31.50	33.74	2.24					
39	↓	M	29.87	31.97	2.10				↓	
40	F61932-1	W 1446	—	—	5.57				EN	
41	↓	W	—	—	5.53				↓	
42	↓	M 1457	—	—	5.56					
43	F61932-2	W	—	—	5.33					
44	↓	W	—	—	5.45					
45	↓	M	—	—	5.31					
46	F61932-3	W	—	—	5.60		↓			
47	↓	W	—	—	5.37		12:08			

Container Type: **PT** for pre-tared vials (field kits): **EN** for Encore or similar type: **5030A** for samples collected in jars or bulk containers: **SL** for core sleeve

Comment: **N/O** for no odor: **S/O** for slight odor: **OOH** for Out of Hold

Encore Comment: **C** for sampler incorrectly capped: **P** for plunger not locked: **F** for sampler not completely filled

5035 Soil Prep Log.xls NF rev 05/06

5035A SOIL PREP LOG

Serial #	Sample #	Vial Type or Vial Lot #	Tare Wt gram	Total Wt gram	Sample Wt gram	Date	Time	Initials	Container Type *	Comments
G3748	F61932-3	M AC1457			5.44	12/04/08	12:09	SB	EN	In Hold
49	F61932-4	W AC1498			5.78					
50	↓	W			5.09					
51	↓	M			5.30					
52	F61932-5	W			5.65					
53	↓	W			5.71					
54	↓	M			5.59		12:27			
55	F61932-6	W			4.85		12:34			C, F
56	↓	W			5.29					
57	↓	M			5.50					
58	F61932-7	W			4.23					
59	↓	W			6.16					
60	↓	M			6.03					
61	F61932-8	W			5.92					
62	↓	W			5.54					
63	↓	M			5.63					
64	F619-32-9	W			5.65					
65	↓	W			5.80					
66	↓	M			5.73				Trip SB 12/4/08 Blank	
67	F61932-10	W							Trip Blank	
68	↓	W					↓			
69	↓	M					13:15			
70	F61936	W			4.94		14:00		EN	

Container Type: PT for pre-tared vials (field kits): EN for Encore or similar type: 5030A for samples collected in jars or bulk containers: SL for core sleeve

Comment: N/O for no odor: S/O for slight odor: OOH for Out of Hold

Encore Comment: C for sampler incorrectly capped: P for plunger not locked: F for sampler not completely filled

5035 Soil Prep Log.xls NF rev 05/06

5035A SOIL PREP LOG

Serial #	Sample #	Vial Type or Vial Lot #	Tare Wt gram	Total Wt gram	Sample Wt gram	Date	Time	Initials	Container Type *	Comments
64071	F61918-14	IN	no weight	32.71	-	12-5-08	17:12	CL	PT	frzn in
72	15	w	31.16	36.72	5.56					12-4-08 8:35
73	15	w	31.68	37.34	5.66					
74	15	m	29.83	35.76	5.93					
75	16	w	31.37	37.56	6.19					
76	16	w	31.32	37.27	5.95					
77	16	m	-	35.86	-					no weight
78	17	w							TB	
79	17	w								
80	17	m								
81	18	w								
82	18	w								
83	18	m								
84	F61983-14	w								
85	14	w								
86	14	m								
87	F62000-19	w								
88	14	w								
89	14	m					17:75	CL		
90	F62034-1	w AC1495			5.57	12/06/08	11:02	SB	EN	In Hold SB m/c/s No Chain of Custody
91	F62034-1	w			5.74					
92	↓	m AC1457			5.31		↓			
93	F62034-3-1 12/6/08 SB	w			5.80		11:08			

Container Type: PT for pre-tared vials (field kits): EN for Encore or similar type: 5030A for samples collected in jars or bulk containers: SL for core sleeve

Comment: N/O for no odor: S/O for slight odor: OOH for Out of Hold

Encore Comment: C for sampler incorrectly capped: P for plunger not locked: F for sampler not completely filled

5035 Soil Prep Log.xls NF rev 05/06

5035A SOIL PREP LOG

Serial #	Sample #	Vial Type or Vial Lot #	Tare Wt gram	Total Wt gram	Sample Wt gram	Date	Time	Initials	Container Type *	Comments
G38940	F61976-3	M AC1457			5.14	12-5-08	11:15	CL	en	in hold
41	3	M			5.24					
42	4	W AC1498			4.79					
43	4	W			5.41					
44	4	M			5.14					
45	4	M			5.35					
46	5	W			5.70					
47	5	W			5.58					
48	5	M			5.13					
49	5	M			5.22					
50	6	W			5.63					
51	6	W			5.35					
52	6	M			5.40					
53	6	M			5.56					
54	7	W							TB	
55	7	W								
56	7	M							en	
57	F61975-1	W			5.48					
58	1	W			5.39					
59	1	M			5.18					
60	1	M			5.37					
62	2	W			5.93					
63	2	W			6.10		11:50	CL		

Container Type: PT for pre-tared vials (field kits): EN for Encore or similar type: 5030A for samples collected in jars or bulk containers: SL for core sleeve

Comment: N/O for no odor: S/O for slight odor: OOH for Out of Hold

Encore Comment: C for sampler incorrectly capped: P for plunger not locked: F for sampler not completely filled

5035 Soil Prep Log.xls NF rev 05/06

5035A SOIL PREP LOG

Serial #	Sample #	Vial Type or Vial Lot #	Tare Wt gram	Total Wt gram	Sample Wt gram	Date	Time	Initials	Container Type *	Comments
G3864	F61975-2	M AC1457			6.09	12-5-08	11:55	CL	en	i/s hold
G3865	2	M			5.98					
66	3	W AC1498			5.96					
67	3	W			6.06					
68	3	M			5.70					
69	3	M			5.60					
70	4	W			5.89					
71	4	W			5.90					
72	4	M			6.00					
73	4	M			5.18					
74	5	W			6.11					
75	5	W			5.58					
76	5	M			5.76					
77	5	M			5.79					
78	6	W			5.62					
79	6	W			5.53					
80	6	M			5.41					
81	6	M			5.90					
82	7	W			5.64					
83	7	W			5.30					
84	7	M			5.05					
85	7	M			5.31					
86	8	W					12:15	CL	TB	

Container Type: PT for pre-tared vials (field kits): EN for Encore or similar type: 5030A for samples collected in jars or bulk containers: SL for core sleeve

Comment: N/O for no odor: S/O for slight odor: OOH for Out of Hold

Encore Comment: C for sampler incorrectly capped: P for plunger not locked: F for sampler not completely filled

5035 Soil Prep Log.xls NF rev 05/06

ACCUTEST LABORATORIES SE

DATE: 12/11/08
COLUMN TYPE: RTXVMS
DETECTOR: 5970 MSD
INSTRUMENT: MSVOA1-G
PURGE PRESSURE: 20
ANALYST: MLM

MS VOA1-G ANALYSIS LOG

METHODS:* 8260
METHOD FILE: A009-GR
CALIB. DATE: 12/10/08
EM VOLTAGE: 1400
BFB RESPONSE: 344052
RUN ID: VG 2071

STANDARDS

BFB: V8207 (12/21)
ICAL/CCV: V8859 V8834 V8806 V8869 V8875
ISTD/SURR: V8291
ICV/QC: V8872 V8792 V8700 V8861 V8831
METHANOL LOT #: G32E79

12/15/21, 1449 12, 1259 12, 1110 12, 1112 12

DATA FILE	SAMPLE ID, DIL.	Vial #	MATRIX	SAMPLE AMT.	MeOH Aliq.	ALS POSITION	ANALYTICAL METHOD	PREP METHOD	RR	COMMENTS
G 0054807	BFB	-	-	-	-	-	-	-	-	AYG 2uL BFB ✓
G 08	CC2070-4	-	S	5.00	N	1	8260	-	-	Passed
G 09	Test mix	-	↓	↓	↓	1	↓	-	-	Old gas mix ✓
G 10	BS	-				2		-	-	✓
G 11	MB	-				3		-	-	ND
G 12	F61770-2	G3309		5.65	100	4		EN	-	✓
G 13	F61879-2	G3576		5.82	10	5		EN	-	✓
G 14	F61932-1	G3768 MM 12/12		5.92	N	6		MM 12/14 EN	-	✓
G 15	F61975-3	G3866		5.96	N	7		EN	-	✓
G 16	-4	G3871		5.90	N	8		EN	-	✓
G 17	-4 MS	-		4.80	-	9		5030A	-	✓
G 18	-4 MSD	-		4.90	-	10		↓	-	✓
G 19	5	G3875		5.58	N	11		EN	-	✓
G 20	6	G3879		5.53	N	12		EN	-	✓
G 21	7	G3882		5.64	N	13		EN	-	✓
G 22	8	G3887		5.00	N	14		DI	-	✓
G 23	F61976-1	G3821		4.72	N	15		EN	-	✓
G 24	2	G3835		5.27	N	16		EN	-	✓
G 25	3	G3838		5.31	N	17		EN	-	✓
G 26	4	G3843		5.41	N	18		EN	-	✓
G 27	5	G3847		5.58	N	19		EN	-	✓
G 28	6	G3850		5.63	N	20		EN	-	✓
G 29	7	G3855		5.00	N	21		DI	-	TB ✓
G 30	F62028-1	G4124		6.01	N	22		EN	-	✓
G 31	2	G4128		5.74	N	23		EN	-	✓
G 32	3	G4130		5.35	N	24		EN	-	✓
G 33	4	G4133	↓	6.10	N	25	↓	EN	-	✓

Matrix: Designate "W" for Water, "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate
* For NELAC purposes, Method 8260 includes analytes by SOP MS005

MSVOA1_G_log.xls 11/06

Analyst's Signature: MLM

ACCUTEST LABORATORIES SE

DATE:	12/11/17
COLUMN TYPE:	
DETECTOR:	5970 MSD
INSTRUMENT:	MSVOA1-G
PURGE PRESSURE:	
ANALYST:	MM

MS VOA1-G ANALYSIS LOG

METHODS:*	
METHOD FILE:	
CALIB. DATE:	
EM VOLTAGE:	
BFB RESPONSE:	
RUN ID:	VG 2071

cont. p.27

STANDARDS

BFB:	
ICAL/CCV:	
ISTD/SURR:	
ICV/QC:	
METHANOL LOT #:	

DATA FILE	SAMPLE ID, DIL.	Vial	MATRIX	SAMPLE AMT	MeOH Aliq.	ALS POSITION	ANALYTICAL METHOD	PREP METHOD	RR	COMMENTS
G 0054834	MB 12/11/17 F61216-6A.5	G3#49 G4#12	S	5.2	N	26	8260	EH		F61216-6A
G 85	B	—	↓	5.0	↓	27	↓	—	—	✓
G 86	B	—	↓	↓	↓	28	↓	—	—	✓
G										
G										
G										
G										
G										
G										
G										
G										
G										
G										
G										
G										
G										
G										
G										
G										
G										
G										
G										
G										
G										
G										
G										
G										
G										
G										
G										
G										

MM 12/12/17

Matrix: Designate "W" for Water, "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate

* For NELAC purposes, Method 8260 includes analytes by SOP MS005

MSVOA1_G_log.xls 11/06

Analyst's Signature: MM

5035A SOIL PREP LOG

Serial #	Sample #	Vial Type or Vial Lot #	Tare Wt gram	Total Wt gram	Sample Wt gram	Date	Time	Initials	Container Type *	Comments
G3290	F61767-9	W	—	—	—	11/25/08	14:29	SB	PT	In (Trip Blanks)
91	↓	M	—	—	—		14:24			↓
92	F61785-1	W	31.26	35.45	4.19					In
93	↓	W	31.43	36.00	4.57					
94	↓	M	29.92	32.19	2.27					
95	F61785-2	W	31.61	33.95	2.34 SD 11/25					
96	↓	W	31.39	33.84	2.45					
97	↓	M	29.98	32.26	2.28					
98	F61785-3	W	31.63	35.01	3.38					
99	↓	W	31.61	34.30	2.69					
G3300	↓	M	29.91	33.29	3.38					
01	F61785-4	W	—	—	—				Trip Blanks	
02	↓	W	—	—	—		↓		↓	
03	↓	M	—	—	—		14:42		↓	
04	F61770-1	W	—	—	5.80		14:47		EN	
05	↓	W	—	—	5.84		↓		↓	
06	↓	M	—	—	5.53		↓		↓	
07	F61770-2	W	—	—	5.69		↓		↓	
08	↓	W	—	—	5.94		↓		↓	
09	↓	M	—	—	5.65		↓		↓	
10	F61770-3	W	—	—	5.76		↓		↓	
11	↓	W	—	—	5.90		↓		↓	
12	↓	M	—	—	5.72		15:06	↓	↓	↓

Container Type: PT for pre-tared vials (field kits): EN for Encore or similar type: 5030A for samples collected in jars or bulk containers: SL for core sleeve

Comment: N/O for no odor: S/O for slight odor: OOH for Out of Hold

Encore Comment: C for sampler incorrectly capped: P for plunger not locked: F for sampler not completely filled

5035 Soil Prep Log.xls NF rev 05/06

5035A SOIL PREP LOG

Serial #	Sample #	Vial Type or Vial Lot #	Tare Wt gram	Total Wt gram	Sample Wt gram	Date	Time	Initials	Container Type *	Comments
G3564	FG1815-7	M				11-26-08	15:27	CL	PT	TB
65	FG1845-1	W					17:05			TB
66	1	W								
67	1	M								
68	2	W	31.54	38.21	6.67					in hold
69	2	W	31.43	38.01	6.58					
70	2	M		36.70						no tare weight
G3571	F61879-1	W AC1498			5.41	12/02/04	10:25	SB	EN	In Hold
72		W			5.18					
73		M AC1457			4.50					F
74	F61879-2	W			6.17					
75		W			5.99					
76		M			5.82					
77	F61879-3	W			5.81					
78		W			5.47					
79		M			5.17					
80	F61879-4	W							Trip Blanks	
81		W								
82		M								
83	F61880-1	W	31.37	39.87	8.50				PT	
84		W	31.45	39.10	7.65					
85		M	29.87	38.14	8.27					
86	F61880-2	W					10:48		Trip Blank	

Container Type: PT for pre-tared vials (field kits): EN for Encore or similar type: 5030A for samples collected in jars or bulk containers: SL for core sleeve

Comment: N/O for no odor: S/O for slight odor: OOH for Out of Hold

Encore Comment: C for sampler incorrectly capped: P for plunger not locked: F for sampler not completely filled

5035A SOIL PREP LOG

Serial #	Sample #	Vial Type or Vial Lot #	Tare Wt gram	Total Wt gram	Sample Wt gram	Date	Time	Initials	Container Type *	Comments
G3748	F61932-3	M AC1457			5.44	12/04/08	12:09	SB	EN	In Hold
49	F61932-4	W AC1498			5.78					
50	↓	W			5.09					
51	↓	M			5.30					
52	F61932-5	W			5.65					
53	↓	W			5.71		↓			
54	↓	M			5.59		12:27			
55	F61932-6	W			4.85		12:34			C, F
56	↓	W			5.29		↓			
57	↓	M			5.50					
58	F61932-7	W			6.23					
59	↓	W			6.16					
60	↓	M			6.03					
61	F61932-8	W			5.92					
62	↓	W			5.54					
63	↓	M			5.63					
64	F619-32-9	W			5.65					
65	↓	W			5.80					
66	↓	M			5.73				~~Trip~~ SB 12/4/08	
67	F61932-10	W							Trip Blank	
68	↓	W								
69	↓	M					13:15			
70	F61936	W			4.94		14:00		EN	

Container Type: PT for pre-tared vials (field kits): EN for Encore or similar type: 5030A for samples collected in jars or bulk containers: SL for core sleeve

Comment: N/O for no odor: S/O for slight odor: OOH for Out of Hold

Encore Comment: C for sampler incorrectly capped: P for plunger not locked: F for sampler not completely filled

5035 Soil Prep Log.xls NF rev 05/06

5035A SOIL PREP LOG

Serial #	Sample #	Vial Type or Vial Lot #	Tare Wt gram	Total Wt gram	Sample Wt gram	Date	Time	Initials	Container Type *	Comments
G3864	F61975-2	M AC1457			6.09	12-5-08	11:55	CL	en	I'm hold
G3865	2	M			5.98					
66	3	W AC1498			5.96					
67	3	W			6.06					
68	3	M			5.70					
69	3	M			5.60					
70	4	W			5.89					
71	4	W			5.90					
72	4	M			6.00					
73	4	M			5.18					
74	5	W			6.11					
75	5	W			5.58					
76	5	M			5.76					
77	5	M			5.79					
78	6	W			5.62					
79	6	W			5.53					
80	6	M			5.41					
81	6	M			5.90					
82	7	W			5.64					
83	7	W			5.30					
84	7	M			5.05					
85	7	M			5.31					
86	8	W					12:15	CL	TB	

Container Type: PT for pre-tared vials (field kits): EN for Encore or similar type: 5030A for samples collected in jars or bulk containers: SL for core sleeve

Comment: N/O for no odor: S/O for slight odor: OOH for Out of Hold

Encore Comment: C for sampler incorrectly capped: P for plunger not locked: F for sampler not completely filled

5035A SOIL PREP LOG

Serial #	Sample #	Vial Type or Vial Lot #	Tare Wt gram	Total Wt gram	Sample Wt gram	Date	Time	Initials	Container Type *	Comments
G3887	F61975-8	w				12-5-08	11:15	CL	TB	in hold
88	8	m					1		1	↓
89	F61977-1	w	31.48	38.31	6.83		14:00		PT	in hold
90	1	w	31.43	39.39	7.96					
91	1	m	30.06	36.69	6.63					
92	F61979-1	w	31.36	37.33	5.97					
93	1	w	31.52	37.24	5.72					
94	1	m	30.10	35.33	5.23					
95	6	w	31.13	37.02	5.89					
96	6	w	31.29	37.05	5.76					
97	6	m	30.21	35.94	5.73					
98	11	w	31.73	37.41	5.68					
99	11	w	31.82	36.94	5.12					
G3900	11	m	30.10	35.56	5.46					
1	16	w	31.69	37.89	6.20					
2	16	w	31.79	36.90	5.11					
3	16	m	30.09	35.10	5.01					
4	21	w	31.31	36.63	5.32					
5	21	w	31.30	36.62	5.32					
6	21	m	30.12	35.95	5.83					
7	24	w	31.48	36.24	4.76					
8	24	w	31.27	36.92	5.65					
9	24	m	30.16	35.29	5.13		14:18			

Container Type: PT for pre-tared vials (field kits): EN for Encore or similar type: 5030A for samples collected in jars or bulk containers: SL for core sleeve

Comment: N/O for no odor: S/O for slight odor: OOH for Out of Hold

Encore Comment: C for sampler incorrectly capped: P for plunger not locked: F for sampler not completely filled

5035 Soil Prep Log.xls NF rev 05/06

5035A SOIL PREP LOG

Serial #	Sample #	Vial Type or Vial Lot #	Tare Wt gram	Total Wt gram	Sample Wt gram	Date	Time	Initials	Container Type *	Comments
G3817	FG1961-3	M	29.92	34.15	4.23	~~10~~ 12-5-08	10:45	CL	PT	frzn in
18	4	W	31.31	35.14	3.83					12-5-08 8:26
19	4	W	31.35	37.05	5.70					
20	4	M	29.97	33.95	3.98					
21	FG1963-2	W	31.45	36.65	5.20					
22	2	W	31.70	36.60	4.90					
23	2	M	29.84	34.83	4.99					
24	3	W	31.64	36.84	5.20					
25	3	W	31.64	36.64	5.00					
26	3	M	29.99	34.73	4.74					
27	4	W							TB	
28	4	W								
29	4	M								
30	FG1976-1	W HC1498			4.99				EN	in hold
31	1	W			4.72					
32	1	M AC1457			4.98					
33	1	M			5.13					
34	2	W			5.40					
35	2	W			5.27					
36	2	M			5.23					
37	2	M			5.17					
38	3	W			5.36					
39	3	W			5.33		11:15	CL		

Container Type: PT for pre-tared vials (field kits): EN for Encore or similar type: 5030A for samples collected in jars or bulk containers: SL for core sleeve

Comment: N/O for no odor: S/O for slight odor: OOH for Out of Hold

Encore Comment: C for sampler incorrectly capped: P for plunger not locked: F for sampler not completely filled

5035 Soil Prep Log.xls NF rev 05/06

5035A SOIL PREP LOG

Serial #	Sample #	Vial Type or Vial Lot #	Tare Wt gram	Total Wt gram	Sample Wt gram	Date	Time	Initials	Container Type *	Comments
G38940	F61976-3	M AC1457			5.14	12-5-08	11:15	CL	EN	in hold
41	3	M			5.24					
42	4	W AC1498			4.79					
43	4	W			5.41					
44	4	M			5.14					
45	4	M			5.35					
46	5	W			5.70					
47	5	W			5.58					
48	5	M			5.13					
49	5	M			5.22					
50	6	W			5.63					
51	6	W			5.35					
52	6	M			5.40					
53	6	M			5.56					
54	7	W								
55	7	W							TB	
56	7	M								
57	F61975-1	W			5.48				EN	
58	1	W			5.39					
59	1	M			5.18					
60	1	M			5.37					
62	2	W			5.93					
63	2	W			6.10		11:50	CL		

Container Type: PT for pre-tared vials (field kits): EN for Encore or similar type: 5030A for samples collected in jars or bulk containers: SL for core sleeve
Comment: N/O for no odor: S/O for slight odor: OOH for Out of Hold
Encore Comment: C for sampler incorrectly capped: P for plunger not locked: F for sampler not completely filled

5035 Soil Prep Log.xls NF rev 05/06

5035A SOIL PREP LOG

Serial #	Sample #	Vial Type or Vial Lot #	Tare Wt gram	Total Wt gram	Sample Wt gram	Date	Time	Initials	Container Type *	Comments
G4117	F62033-3	W AC1498			5.84	12/6/08	11:40	SB	EN	In Hold
18	↓	W			5.61	↓	↓	↓	↓	↓
19	↓	M AC 1457			5.50	↓	↓	↓	↓	↓
20	F62033-4	W				↓	↓	↓	Trip Blanks	↓
21	↓	W				↓	↓	↓	↓	↓
22	↓	M				↓	↓	↓	↓	↓
23	F62028-1	W			5.82	↓	↓	↓	EN	↓
24	↓	W			6.01	↓	↓	↓	↓	↓
25	↓	M			5.71	↓	↓	↓	↓	↓
26	F62028-2	W			5.54	↓	↓	↓	↓	↓
27	↓	W			5.86	↓	↓	↓	↓	↓
28	↓	M			5.74	↓	↓	↓	↓	↓
29	F62028-3	W			5.54	↓	↓	↓	↓	↓
30	↓	W			5.35	↓	↓	↓	↓	↓
31	↓	M			5.25	↓	↓	↓	↓	↓
32	F62028-4	W			6.12	↓	↓	↓	↓	↓
33	↓	W			6.10	↓	↓	↓	↓	↓
34	↓	M			5.45	↓	↓	↓	↓	↓
35	F62028-5	W			5.86	↓	↓	↓	↓	↓
36	↓	W			5.25	↓	↓	↓	↓	↓
37	↓	M			5.82	↓	↓	↓	↓	F
38	F62028-6	W			5.59	↓	↓	↓	↓	F
39	↓	W			5.73	↓	12:06	↓	↓	↓

Container Type: PT for pre-tared vials (field kits): EN for Encore or similar type: 5030A for samples collected in jars or bulk containers: SL for core sleeve

Comment: N/O for no odor: S/O for slight odor: OOH for Out of Hold

Encore Comment: C for sampler incorrectly capped: P for plunger not locked: F for sampler not completely filled

5035A SOIL PREP LOG

Serial #	Sample #	Vial Type or Vial Lot #	Tare Wt gram	Total Wt gram	Sample Wt gram	Date	Time	Initials	Container Type *	Comments
G3478	F6181G- 1	w HC1448			5.60	11-26-08	10:55	CL	en	in bold
29	1	m HC1457			5.41					
30	1	m			5.88					
31	2	w			5.38					
32	2	w			5.55					
33	2	m			5.37					
34	2	m			5.63					
35	3	w			6.10					
36	3	w			5.65					
37	3	m			6.03					
38	3	m			5.95					
39	4	w			5.86					
40	4	w			5.91					
41	4	m			5.68					
42	4	m			6.06					
43	5	w			5.88					
44	5	w			611					
45	5	m			5.54					
46	5	m			3.26					
47	6	w			5.66					
48	6	w			5.43					
49	6	m			5.66					
50	6	m			5.40		11:30	CL		

Container Type: PT for pre-tared vials (field kits): EN for Encore or similar type: 5030A for samples collected in jars or bulk containers: SL for core sleeve

Comment: N/O for no odor: S/O for slight odor: OOH for Out of Hold

Encore Comment: C for sampler incorrectly capped: P for plunger not locked: F for sampler not completely filled

5035 Soil Prep Log.xls NF rev 05/06

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3636-MB	CD086463.D	1	12/16/08	JG	n/a	n/a	GCD3636

The QC reported here applies to the following samples: **Method:** SW846 8015

F61975-1, F61975-4, F61975-5, F61975-6, F61975-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	80%	56-136%
98-08-8	aaa-Trifluorotoluene	83%	61-121%

Method Blank Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1968-MB	QR045268.D	1	12/16/08	AH	n/a	n/a	GQR1968

The QC reported here applies to the following samples: **Method:** SW846 8015

F61975-2, F61975-3

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	65%	56-136%
98-08-8	aaa-Trifluorotoluene	73%	61-121%

Blank Spike Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3636-BS	CD086462.D	1	12/16/08	JG	n/a	n/a	GCD3636

The QC reported here applies to the following samples: **Method:** SW846 8015

F61975-1, F61975-4, F61975-5, F61975-6, F61975-7

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	17.6	88	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	108%	56-136%
98-08-8	aaa-Trifluorotoluene	94%	61-121%

Blank Spike Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1968-BS	QR045267.D	1	12/16/08	AH	n/a	n/a	GQR1968

The QC reported here applies to the following samples: **Method:** SW846 8015

F61975-2, F61975-3

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	19.5	98	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	90%	56-136%
98-08-8	aaa-Trifluorotoluene	89%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61975-4MS	CD086482.D	1	12/16/08	JG	n/a	n/a	GCD3636
F61975-4MSD	CD086483.D	1	12/16/08	JG	n/a	n/a	GCD3636
F61975-4	CD086475.D	1	12/16/08	JG	n/a	n/a	GCD3636

The QC reported here applies to the following samples: **Method:** SW846 8015

F61975-1, F61975-4, F61975-5, F61975-6, F61975-7

CAS No.	Compound	F61975-4 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		23	20.9	91	19.6	85	6	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61975-4	Limits
460-00-4	4-Bromofluorobenzene	110%	105%	79%	56-136%
98-08-8	aaa-Trifluorotoluene	93%	91%	80%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61976-2MS	QR045285.D	1	12/16/08	AH	n/a	n/a	GQR1968
F61976-2MSD	QR045286.D	1	12/16/08	AH	n/a	n/a	GQR1968
F61976-2	QR045276.D	1	12/16/08	AH	n/a	n/a	GQR1968

The QC reported here applies to the following samples: **Method:** SW846 8015

F61975-2, F61975-3

CAS No.	Compound	F61976-2 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	146		114	245	87	231	75	6	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61976-2	Limits
460-00-4	4-Bromofluorobenzene	115%	117%	110%	56-136%
98-08-8	aaa-Trifluorotoluene	112%	114%	98%	61-121%

Volatile Surrogate Recovery Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Method: SW846 8015 **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S2 [a]
F61975-1	CD086474.D	80.0	85.0
F61975-2	QR045269.D	86.0	88.0
F61975-3	QR045270.D	106.0	83.0
F61975-4	CD086475.D	79.0	80.0
F61975-5	CD086476.D	86.0	83.0
F61975-6	CD086477.D	95.0	90.0
F61975-7	CD086478.D	87.0	87.0
F61975-4MS	CD086482.D	110.0	93.0
F61975-4MSD	CD086483.D	105.0	91.0
F61976-2MS	QR045285.D	115.0	112.0
F61976-2MSD	QR045286.D	117.0	114.0
GCD3636-BS	CD086462.D	108.0	94.0
GCD3636-MB	CD086463.D	80.0	83.0
GQR1968-BS	QR045267.D	90.0	89.0
GQR1968-MB	QR045268.D	65.0	73.0

Surrogate Compounds	Recovery Limits
S1 = 4-Bromofluorobenzene	56-136%
S2 = aaa-Trifluorotoluene	61-121%

(a) Recovery from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Check Std:	GCD3636-CC3620	**Injection Date:**	12/16/08
Lab File ID:	CD086461.D	**Injection Time:**	09:45
Instrument ID:	GCCD	**Method:**	SW846 8015

	S1 [a] RT	S2 [a] RT
Check Std	11.21	6.63

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
GCD3636-BS	CD086462.D	12/16/08	10:11	11.22	6.64
GCD3636-MB	CD086463.D	12/16/08	10:36	11.22	6.63
ZZZZZZ	CD086467.D	12/16/08	12:15	11.22	6.64
ZZZZZZ	CD086468.D	12/16/08	12:40	11.22	6.64
ZZZZZZ	CD086469.D	12/16/08	13:04	11.22	6.63
ZZZZZZ	CD086470.D	12/16/08	13:29	11.22	6.63

Surrogate Compounds

S1 = 4-Bromofluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Check Std:	GCD3636-CC3620	**Injection Date:**	12/16/08
Lab File ID:	CD086472.D	**Injection Time:**	14:20
Instrument ID:	GCCD	**Method:**	SW846 8015

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	11.22	11.22	6.64	6.63

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
F61975-1	CD086474.D	12/16/08	15:14		11.22		6.64
F61975-4	CD086475.D	12/16/08	15:37		11.22		6.63
F61975-5	CD086476.D	12/16/08	16:02		11.21		6.63
F61975-6	CD086477.D	12/16/08	16:26		11.21		6.63
F61975-7	CD086478.D	12/16/08	16:52		11.22		6.63
ZZZZZZ	CD086480.D	12/16/08	17:40		11.22		6.64
ZZZZZZ	CD086481.D	12/16/08	18:04		11.21		6.63
F61975-4MS	CD086482.D	12/16/08	18:29		11.21		6.63
F61975-4MSD	CD086483.D	12/16/08	18:53		11.22		6.63
GCD3636-ECC3620	CD086485.D	12/16/08	19:42	11.22	11.22	6.63	6.64

Surrogate Compounds

S1 = 4-Bromofluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Check Std:	GQR1968-CC1952	**Injection Date:**	12/16/08
Lab File ID:	QR045266.D	**Injection Time:**	12:24
Instrument ID:	GCQR	**Method:**	SW846 8015

	S1 [a] RT	S2 [a] RT
Check Std	11.66	7.87

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
GQR1968-BS	QR045267.D	12/16/08	12:51	11.65	7.87
GQR1968-MB	QR045268.D	12/16/08	13:18	11.65	7.87
F61975-2	QR045269.D	12/16/08	13:45	11.65	7.87
F61975-3	QR045270.D	12/16/08	14:12	11.66	7.87
ZZZZZZ	QR045272.D	12/16/08	15:16	11.66	7.87
ZZZZZZ	QR045273.D	12/16/08	15:43	11.66	7.87

Surrogate Compounds

S1 = 4-Bromofluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Check Std:	GQR1968-CC1952	**Injection Date:**	12/16/08
Lab File ID:	QR045283.D	**Injection Time:**	20:18
Instrument ID:	GCQR	**Method:**	SW846 8015

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	11.65	11.66	7.87	7.87

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
F61976-2MS	QR045285.D	12/16/08	21:15		11.65		7.87
F61976-2MSD	QR045286.D	12/16/08	21:42		11.65		7.87
GQR1968-ECC1952	QR045287.D	12/16/08	22:09	11.65	11.65	7.87	7.87

Surrogate Compounds

S1 = 4-Bromofluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

Initial Calibration Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample: GCD3620-ICC3620
Lab FileID: CD085995.D

Response Factor Report VOA2

Method : C:\HPCHEM\1\METHODS\8015S-CD.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Fri Nov 28 09:44:04 2008
Response via : Initial Calibration

Calibration Files
1 =CD085992.D 2 =CD085993.D 3 =CD085994.D 4 =CD085995.D
5 =CD085996.D 6 =CD085997.D

	Compound	1	2	3	4	5	6	Avg	%RSD
1) S	a,a,a-TFT	1.207	1.211	1.195	1.192	1.175	1.194	1.196 E2	1.06
2) S	BFB	3.081	3.125	3.188	3.314	3.246	3.287	3.207 E2	2.87

Signal #2

4) S	a,a,a-TFT #2	3.203	3.382	3.478	3.992	4.123	4.257	3.739 E4	11.74
5) S	BFB #2	2.156	2.247	2.640	2.330	2.495	2.800	2.445 E4	10.06
6) H	TPH-GRO (C6-C10)	4.566	3.507	3.230	3.110	3.025	3.078	3.419 E4	17.18

---- Linear regression ---- Coefficient = 0.9992
Response Ratio = 1361071.89875 + 29022.80991 *A

(#) = Out of Range

8015S-CD.M Fri Nov 28 14:10:53 2008

Initial Calibration Verification

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample: GCD3620-ICV3620
Lab FileID: CD085998.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\112608\CD085998.D\FID1B.CH Vial: 8
Signal #2 : C:\HPCHEM\1\DATA\112608\CD085998.D\FID2A.CH
Acq On : 26 Nov 2008 1:39 pm Operator: JuanG
Sample : icv3620-3 Inst : VOA2
Misc : gc9208,gcd3620,5.00,,100,5,1, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e

Method : C:\HPCHEM\1\METHODS\8015S-CD.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Fri Nov 28 09:44:04 2008
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1 S	a,a,a-TFT	20.000	20.003	-0.0	100	0.02	6.49- 6.69
2 S	BFB	20.000	19.892	0.5	100	0.03	11.07-11.27
*****	Signal #2 *****						
4 S	a,a,a-TFT #2	20.000	18.538	7.3	100	0.02	6.49- 6.69
5 S	BFB #2	20.000	19.893	0.5	92	0.03	11.07-11.27
6 H	TPH-GRO (C6-C10)	400.000	353.181	11.7	90	0.00	2.63-12.53

(#) = Out of Range SPCC's out = 0 CCC's out = 0
CD085994.D 8015S-CD.M Fri Nov 28 14:10:41 2008

Continuing Calibration Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample: GCD3636-CC3620
Lab FileID: CD086461.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\121608\CD086461.D\FID1B.CH Vial: 3
Signal #2 : C:\HPCHEM\1\DATA\121608\CD086461.D\FID2A.CH
Acq On : 16 Dec 2008 9:45 am Operator: JuanG
Sample : cc3620-3 Inst : VOA2
Misc : gc9242,gcd3636,5.00,,100,5,1, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e

Method : C:\HPCHEM\1\METHODS\8015S-CD.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Dec 03 09:01:46 2008
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1 S	a,a,a-TFT	20.000	17.013	14.9	85	0.02	6.51- 6.71
2 S	BFB	20.000	16.689	16.6#	84	0.01	11.10-11.30
*****	Signal #2 *****						
4 S	a,a,a-TFT #2	20.000	18.789	6.1	101	0.02	6.51- 6.71
5 S	BFB #2	20.000	22.464	-12.3	104	0.01	11.10-11.30
6 H	TPH-GRO (C6-C10)	400.000	378.497	5.4	96	0.00	2.63-12.53

(#) = Out of Range SPCC's out = 0 CCC's out = 0
CD085994.D 8015S-CD.M Wed Dec 17 13:48:51 2008

Continuing Calibration Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample: GCD3636-CC3620
Lab FileID: CD086472.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\121608\CD086472.D\FID1B.CH Vial: 14
Signal #2 : C:\HPCHEM\1\DATA\121608\CD086472.D\FID2A.CH
Acq On : 16 Dec 2008 2:20 pm Operator: JuanG
Sample : cc3620-3 Inst : VOA2
Misc : gc9269,gcd3636,5.00,,100,5,1, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e

Method : C:\HPCHEM\1\METHODS\8015S-CD.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Dec 03 09:01:46 2008
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1 S	a,a,a-TFT	20.000	16.996	15.0#	85	0.03	6.51- 6.71
2 S	BFB	20.000	17.077	14.6	86	0.02	11.10-11.30
*****	Signal #2 *****						
4 S	a,a,a-TFT #2	20.000	19.668	1.7	106	0.02	6.51- 6.71
5 S	BFB #2	20.000	21.788	-8.9	101	0.02	11.10-11.30
6 H	TPH-GRO (C6-C10)	400.000	380.334	4.9	96	0.00	2.63-12.53

(#) = Out of Range SPCC's out = 0 CCC's out = 0
CD085994.D 8015S-CD.M Wed Dec 17 13:48:52 2008

Continuing Calibration Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample: GCD3636-ECC3620
Lab FileID: CD086485.D

Evaluate Continuing Calibration Report

```
 Signal #1 : C:\HPCHEM\1\DATA\121608\CD086485.D\FID1B.CH  Vial: 27
 Signal #2 : C:\HPCHEM\1\DATA\121608\CD086485.D\FID2A.CH
 Acq On    : 16 Dec 2008   7:42 pm                    Operator: JuanG
 Sample    : ecc3620-4                                Inst    : VOA2
 Misc      : gc9255,gcd3636,5.00,,100,5,1,            Multiplr: 1.00
 IntFile Signal #1: PID.E        IntFile Signal #2: events2.e

 Method       : C:\HPCHEM\1\METHODS\8015S-CD.M (Chemstation Integrator)
 Title        : SW846 8015 TPH by GC-FID
 Last Update  : Wed Dec 03 09:01:46 2008
 Response via : Multiple Level Calibration

 Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
 Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1 S	a,a,a-TFT	20.000	16.988	15.1#	85	0.02	6.51- 6.71
2 S	BFB	20.000	17.090	14.6	83	0.02	11.10-11.30
*****	Signal #2 *****						
4 S	a,a,a-TFT #2	20.000	18.984	5.1	89	0.03	6.51- 6.71
5 S	BFB #2	20.000	22.967	-14.8	120	0.02	11.10-11.30
6 H	TPH-GRO (C6-C10)	600.000	539.595	10.1	91	0.00	2.63-12.53

```
   (#) = Out of Range              SPCC's out = 0  CCC's out = 0
    CD085995.D 8015S-CD.M       Wed Dec 17 13:49:39 2008
```

Initial Calibration Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample: GQR1952-ICC1952
Lab FileID: QR044856.D

Response Factor Report VOA3

Method : C:\HPCHEM\1\METHODS\8015S-QR.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 15:28:06 2008
Response via : Initial Calibration

Calibration Files
1 =QR044853.D 2 =QR044854.D 3 =QR044855.D 4 =QR044856.D
5 =QR044857.D 6 =QR044858.D

	Compound	1	2	3	4	5	6	Avg	%RSD
1) S	a,a,a-TFT	7.019	7.158	7.496	7.503	8.197	8.168	7.590 E2	6.54
2) S	BFB	1.590	1.629	1.690	2.013	2.010	1.989	1.820 E3	11.22

Signal #2

4) S	a,a,a-TFT #2	1.937	1.955	2.123	2.266	2.483	2.570	2.222 E4	11.97
5) S	BFB #2	0.735	0.739	0.801	1.009	0.893	1.050	0.871 E4	15.58
6) H	TPH-GRO (C6-C10)	2.435	1.950	1.826	1.711	1.673	1.622	1.870 E4	16.11

---- Linear regression ---- Coefficient = 0.9994
Response Ratio = 948046.10088 + 15425.65247 *A

(#) = Out of Range

8015S-QR.M Fri Nov 28 12:33:47 2008

Initial Calibration Verification

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample: GQR1952-ICV1952
Lab FileID: QR044859.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\112608\QR044859.D\FID1B.CH Vial: 9
Signal #2 : C:\HPCHEM\1\DATA\112608\QR044859.D\FID2A.CH
Acq On : 26 Nov 2008 3:53 pm Operator: ArielH
Sample : icv1952-3 Inst : VOA3
Misc : gc9209,gqr1952,5.00,,100,5.0,,soil Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e

Method : C:\HPCHEM\1\METHODS\8015S-QR.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 15:28:06 2008
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1 S	a,a,a-TFT	20.000	19.700	1.5	100	0.00	7.76- 7.96
2 S	BFB	20.000	18.819	5.9	101	0.00	11.56-11.76
*****	Signal #2 *****						
4 S	a,a,a-TFT #2	20.000	20.914	-4.6	109	0.00	7.77- 7.97
5 S	BFB #2	20.000	19.708	1.5	107	0.00	11.56-11.76
6 H	TPH-GRO (C6-C10)	400.000	377.321	5.7	93	0.00	4.51-12.38

(#) = Out of Range SPCC's out = 0 CCC's out = 0
QR044855.D 8015S-QR.M Fri Nov 28 12:33:23 2008

Continuing Calibration Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample: GQR1968-CC1952
Lab FileID: QR045266.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\121608\QR045266.D\FID1B.CH Vial: 3
Signal #2 : C:\HPCHEM\1\DATA\121608\QR045266.D\FID2A.CH
Acq On : 16 Dec 2008 12:24 pm Operator: ArielH
Sample : CC1952-4 Inst : VOA3
Misc : gc9255,gqr1968,5.00,,100,5.0,,soil Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e

Method : C:\HPCHEM\1\METHODS\8015S-QR.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 15:28:06 2008
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1 S	a,a,a-TFT	20.000	20.965	-4.8	106	0.00	7.76- 7.96
2 S	BFB	20.000	17.992	10.0	81	0.00	11.56-11.76
*****	Signal #2 *****						
4 S	a,a,a-TFT #2	20.000	18.604	7.0	91	0.00	7.77- 7.97
5 S	BFB #2	20.000	17.228	13.9	74	0.00	11.56-11.76
6 H	TPH-GRO (C6-C10)	600.000	557.863	7.0	93	0.00	4.51-12.38

(#) = Out of Range SPCC's out = 0 CCC's out = 0
QR044856.D 8015S-QR.M Wed Dec 17 09:26:21 2008

Continuing Calibration Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample: GQR1968-CC1952
Lab FileID: QR045274.D

Evaluate Continuing Calibration Report

```
 Signal #1 : C:\HPCHEM\1\DATA\121608\QR045274.D\FID1B.CH  Vial: 11
 Signal #2 : C:\HPCHEM\1\DATA\121608\QR045274.D\FID2A.CH
 Acq On    : 16 Dec 2008   4:16 pm                    Operator: ArielH
 Sample    : cc1952-3                                 Inst    : VOA3
 Misc      : gc9255,gqr1968,5.00,,100,5.0,,soil       Multiplr: 1.00
 IntFile Signal #1: PID.E        IntFile Signal #2: events2.e

 Method       : C:\HPCHEM\1\METHODS\8015S-QR.M (Chemstation Integrator)
 Title        : SW846 8015 TPH by GC-FID
 Last Update  : Wed Nov 26 15:28:06 2008
 Response via : Multiple Level Calibration

 Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
 Max. RRF Dev :  15%     Max. Rel. Area : 150%

        Compound                Amount  Calc.    %Drift Area% Dev(min)RT Window
 ---------------------------------------------------------------------------
 1 S   a,a,a-TFT               20.000  20.605     -3.0  104   0.00    7.76- 7.96
 2 S   BFB                     20.000  21.241     -6.2  114   0.00   11.56-11.76

*****  Signal #2   *****

 4 S   a,a,a-TFT #2            20.000  17.582     12.1   92   0.00    7.77- 7.97
 5  S  BFB #2                  20.000  17.690     11.5   96   0.00   11.56-11.76
 6 H   TPH-GRO (C6-C10)       400.000 357.314     10.7   88   0.00    4.51-12.38
---------------------------------------------------------------------------
---------------------------------------------------------------------------

   (#) = Out of Range              SPCC's out = 0  CCC's out = 0
    QR044855.D 8015S-QR.M       Wed Dec 17 09:26:59 2008
```

Continuing Calibration Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample: GQR1968-CC1952
Lab FileID: QR045283.D

Evaluate Continuing Calibration Report

```
 Signal #1 : C:\HPCHEM\1\DATA\121608\QR045283.D\FID1B.CH  Vial: 20
 Signal #2 : C:\HPCHEM\1\DATA\121608\QR045283.D\FID2A.CH
 Acq On    : 16 Dec 2008   8:18 pm                    Operator: ArielH
 Sample    : cc1952-4                                 Inst    : VOA3
 Misc      : gc9255,gqr1968,5.00,,100,5.0,,soil       Multiplr: 1.00
 IntFile Signal #1: PID.E        IntFile Signal #2: events2.e

 Method       : C:\HPCHEM\1\METHODS\8015S-QR.M (Chemstation Integrator)
 Title        : SW846 8015 TPH by GC-FID
 Last Update  : Wed Nov 26 15:28:06 2008
 Response via : Multiple Level Calibration

 Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
 Max. RRF Dev :  15%     Max. Rel. Area : 150%

        Compound                Amount  Calc.    %Drift Area% Dev(min)RT Window
 ---------------------------------------------------------------------------
 1 S   a,a,a-TFT               20.000  20.177     -0.9  102   0.00    7.76- 7.96
 2 S   BFB                     20.000  20.723     -3.6   94   0.00   11.56-11.76

*****  Signal #2   *****

 4 S   a,a,a-TFT #2            20.000  19.019      4.9   93   0.00    7.77- 7.97
 5  S  BFB #2                  20.000  18.096      9.5   78   0.00   11.56-11.76
 6 H   TPH-GRO (C6-C10)       600.000 577.627      3.7   96   0.00    4.51-12.38
---------------------------------------------------------------------------
---------------------------------------------------------------------------

   (#) = Out of Range              SPCC's out = 0  CCC's out = 0
    QR044856.D 8015S-QR.M       Wed Dec 17 09:27:20 2008
```

Continuing Calibration Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample: GQR1968-ECC1952
Lab FileID: QR045287.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\HPCHEM\1\DATA\121608\QR045287.D\FID1B.CH  Vial: 24
Signal #2 : C:\HPCHEM\1\DATA\121608\QR045287.D\FID2A.CH
Acq On    : 16 Dec 2008  10:09 pm                    Operator: ArielH
Sample    : ecc1952-3                                Inst    : VOA3
Misc      : gc9255,gqr1968,5.00,,100,5.0,,soil       Multiplr: 1.00
IntFile Signal #1: PID.E        IntFile Signal #2: events2.e

Method       : C:\HPCHEM\1\METHODS\8015S-QR.M (Chemstation Integrator)
Title        : SW846 8015 TPH by GC-FID
Last Update  : Wed Nov 26 15:28:06 2008
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	S	a,a,a-TFT	20.000	20.335	-1.7	103	0.00	7.76- 7.96
2	S	BFB	20.000	18.942	5.3	102	0.00	11.56-11.76
*****		Signal #2 *****						
4	S	a,a,a-TFT #2	20.000	18.652	6.7	98	0.00	7.77- 7.97
5	S	BFB #2	20.000	17.015	14.9	92	0.00	11.56-11.76
6	H	TPH-GRO (C6-C10)	400.000	350.515	12.4	87	0.00	4.51-12.38

```
   (#) = Out of Range              SPCC's out = 0  CCC's out = 0
    QR044855.D 8015S-QR.M       Wed Dec 17 09:26:59 2008
```

GC Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\CD086474.D\FID1B.CH Vial: 16
Signal #2 : C:\HPCHEM\1\DATA\121608\CD086474.D\FID2A.CH
Acq On : 16 Dec 2008 3:14 pm Operator: JuanG
Sample : f61975-1 Inst : VOA2
Misc : gc9255,gcd3636,5.18,,100,5,1, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 17 13:03 2008 Quant Results File: 8015S-CD.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-CD.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Dec 03 09:01:46 2008
Response via : Initial Calibration
DataAcq Meth : GRO.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-TFT	6.64	1985	16.604
Spiked Amount 20.000	Range 61 - 121	Recovery =	83.02%
2) S BFB	11.22	5112	15.941
Spiked Amount 20.000	Range 56 - 136	Recovery =	79.70%
4) S a,a,a-TFT #2	6.64	637120	17.039
Spiked Amount 20.000	Range 61 - 121	Recovery =	85.20%
5) S BFB #2	11.22	390062	15.955
Spiked Amount 20.000	Range 56 - 136	Recovery =	79.77%
Target Compounds			

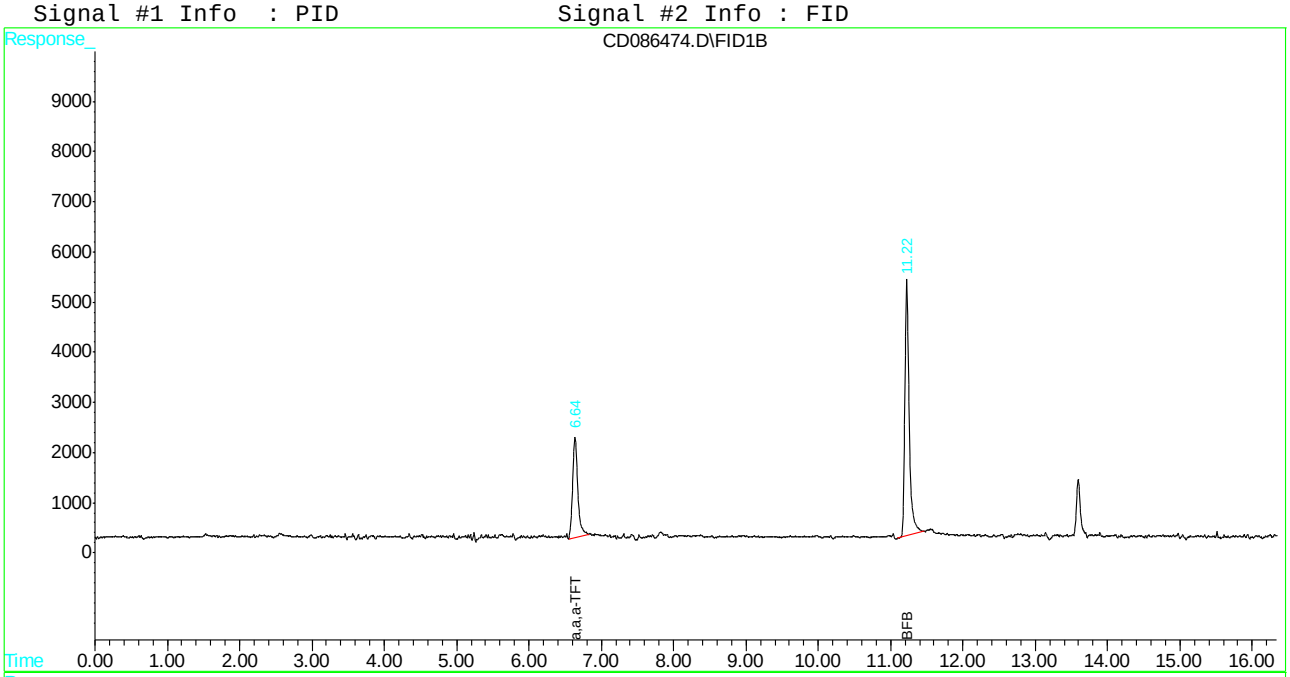
(f)=RT Delta > 1/2 Window (m)=manual int.
CD086474.D 8015S-CD.M Wed Dec 17 13:06:29 2008 Page 1

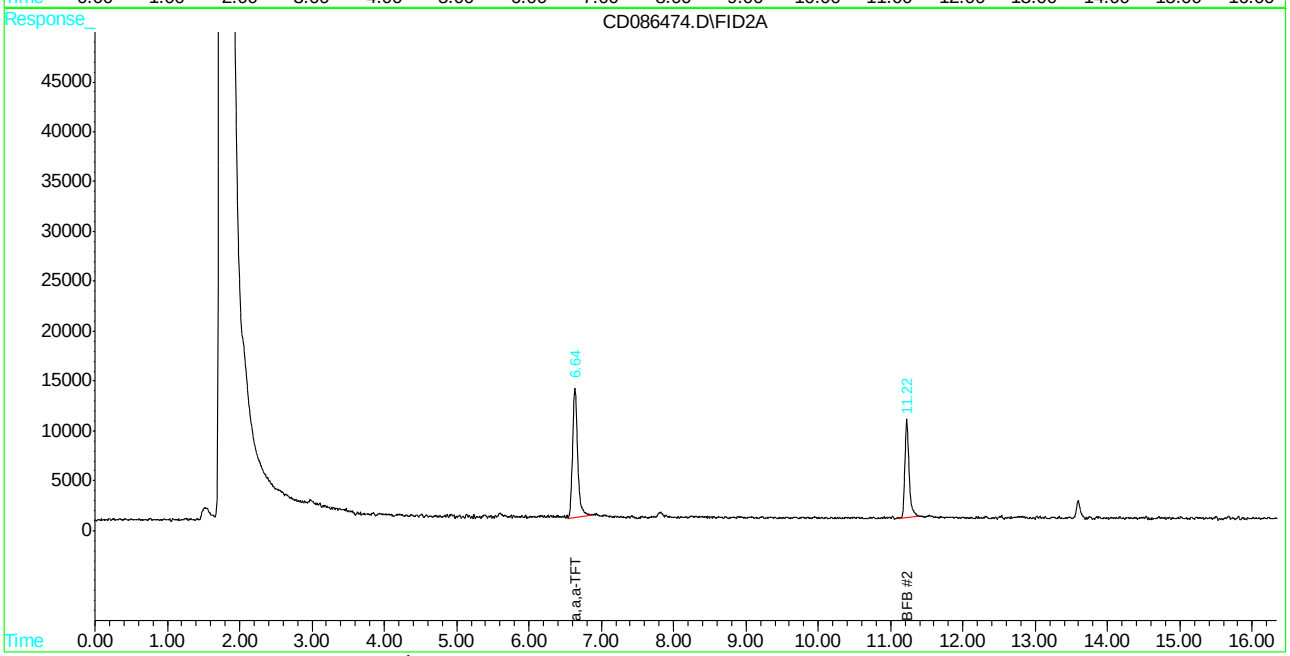
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\CD086474.D\FID1B.CH Vial: 16
Signal #2 : C:\HPCHEM\1\DATA\121608\CD086474.D\FID2A.CH
Acq On : 16 Dec 2008 3:14 pm Operator: JuanG
Sample : f61975-1 Inst : VOA2
Misc : gc9255,gcd3636,5.18,,100,5,1, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 17 13:03 2008 Quant Results File: 8015S-CD.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-CD.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Dec 03 09:01:46 2008
Response via : Multiple Level Calibration
DataAcq Meth : GRO.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\QR045269.D\FID1B.CH Vial: 6
Signal #2 : C:\HPCHEM\1\DATA\121608\QR045269.D\FID2A.CH
Acq On : 16 Dec 2008 1:45 pm Operator: ArielH
Sample : f61975-2,2000x Inst : VOA3
Misc : gc9255,gqr1968,6.09,,2.5,5.0,,soil Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 17 9:07 2008 Quant Results File: 8015S-QR.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-QR.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 15:28:06 2008
Response via : Initial Calibration
DataAcq Meth : GRO-QR.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-TFT	7.87	14994	19.755 ug/Kg
Spiked Amount 20.000	Range 61 - 121	Recovery =	98.77%
2) S BFB	11.65	32814	18.026 ug/Kg
Spiked Amount 20.000	Range 56 - 136	Recovery =	90.13%
4) S a,a,a-TFT #2	7.87	389210	17.513 ug/Kg
Spiked Amount 20.000	Range 61 - 121	Recovery =	87.56%
5) S BFB #2	11.65	149759	17.192 ug/Kg
Spiked Amount 20.000	Range 56 - 136	Recovery =	85.96%
Target Compounds			
6) H TPH-GRO (C6-C10)	11.92	7081025	397.583 ug/Kg

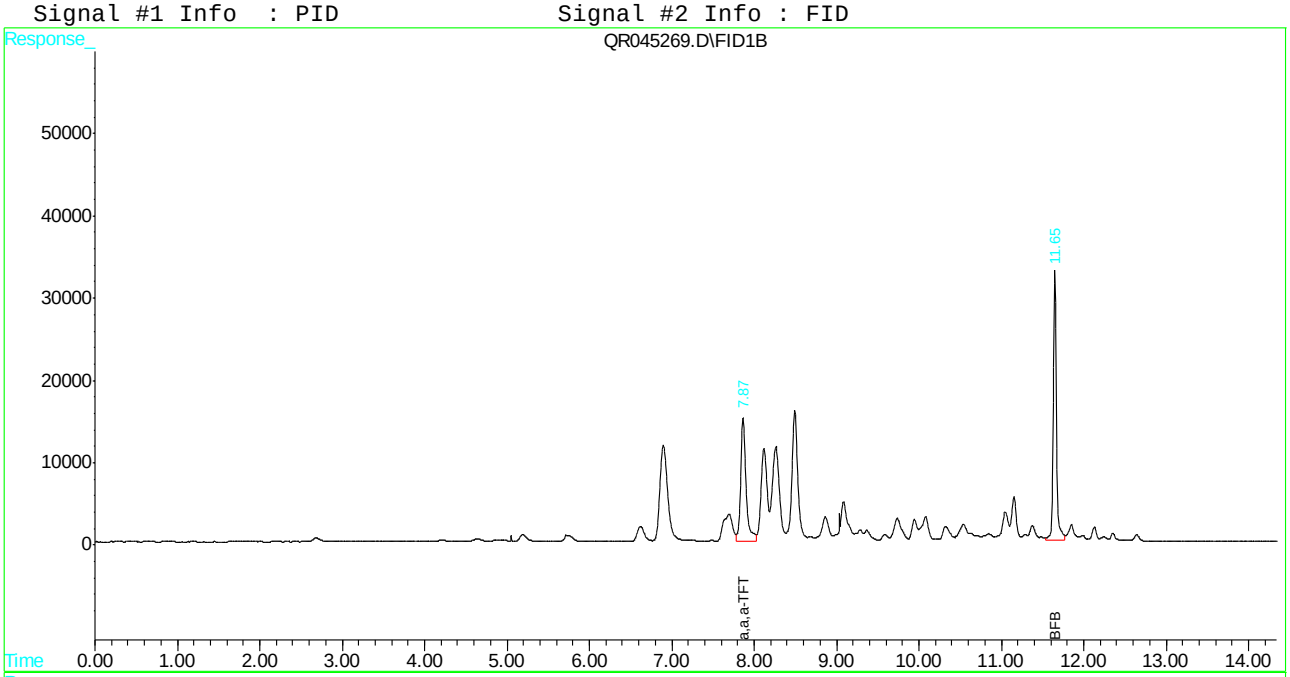
(f)=RT Delta > 1/2 Window (m)=manual int.
QR045269.D 8015S-QR.M Wed Dec 17 09:20:54 2008 Page 1

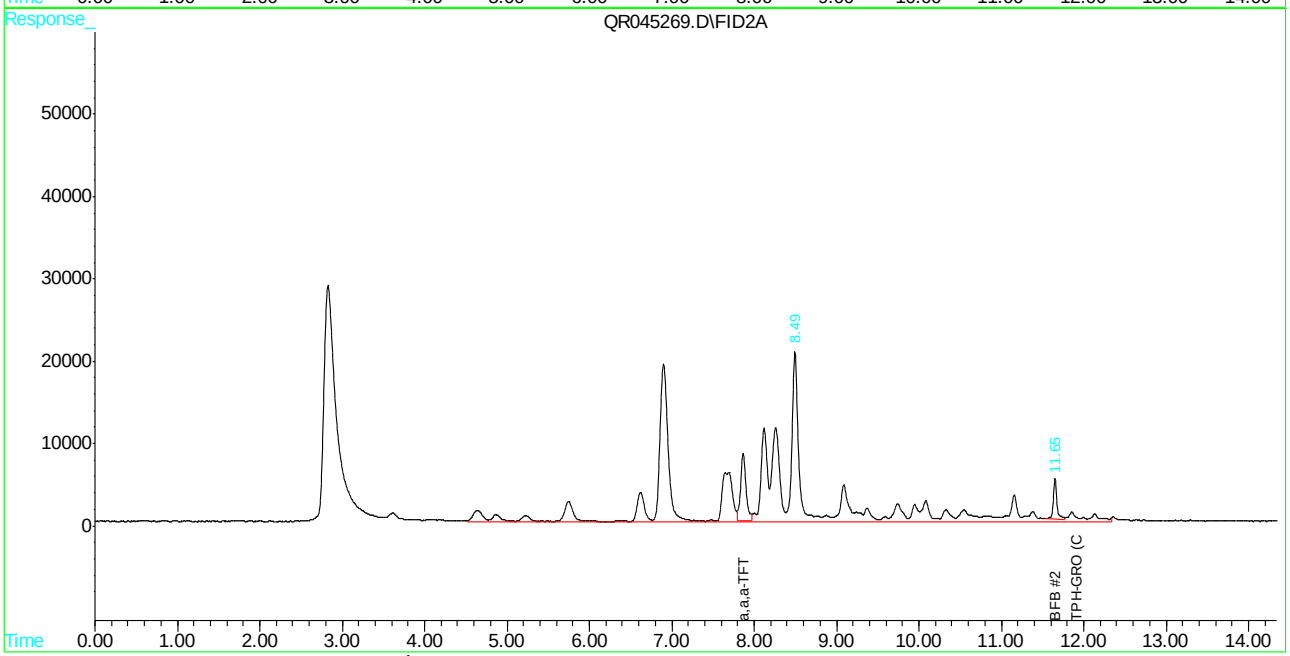
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\QR045269.D\FID1B.CH Vial: 6
Signal #2 : C:\HPCHEM\1\DATA\121608\QR045269.D\FID2A.CH
Acq On : 16 Dec 2008 1:45 pm Operator: ArielH
Sample : f61975-2,2000x Inst : VOA3
Misc : gc9255,gqr1968,6.09,,2.5,5.0,,soil Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 17 9:07 2008 Quant Results File: 8015S-QR.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-QR.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 15:28:06 2008
Response via : Multiple Level Calibration
DataAcq Meth : GRO-QR.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID





ACCUTEST Laboratories F61975

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\QR045270.D\FID1B.CH Vial: 7
Signal #2 : C:\HPCHEM\1\DATA\121608\QR045270.D\FID2A.CH
Acq On : 16 Dec 2008 2:12 pm Operator: ArielH
Sample : f61975-3,500x Inst : VOA3
Misc : gc9255,gqr1968,5.70,,10,5.0,,soil Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 17 9:08 2008 Quant Results File: 8015S-QR.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-QR.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 15:28:06 2008
Response via : Initial Calibration
DataAcq Meth : GRO-QR.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-TFT	7.87	15424	20.321 ug/Kg
Spiked Amount 20.000	Range 61 - 121	Recovery = 101.61%	
2) S BFB	11.66	40203	22.085 ug/Kg
Spiked Amount 20.000	Range 56 - 136	Recovery = 110.43%	
4) S a,a,a-TFT #2	7.87	366940	16.511 ug/Kg
Spiked Amount 20.000	Range 61 - 121	Recovery = 82.56%	
5) S BFB #2	11.66	185219	21.263 ug/Kg
Spiked Amount 20.000	Range 56 - 136	Recovery = 106.32%	
Target Compounds			
6) H TPH-GRO (C6-C10)	11.92	7288465	411.031 ug/Kg

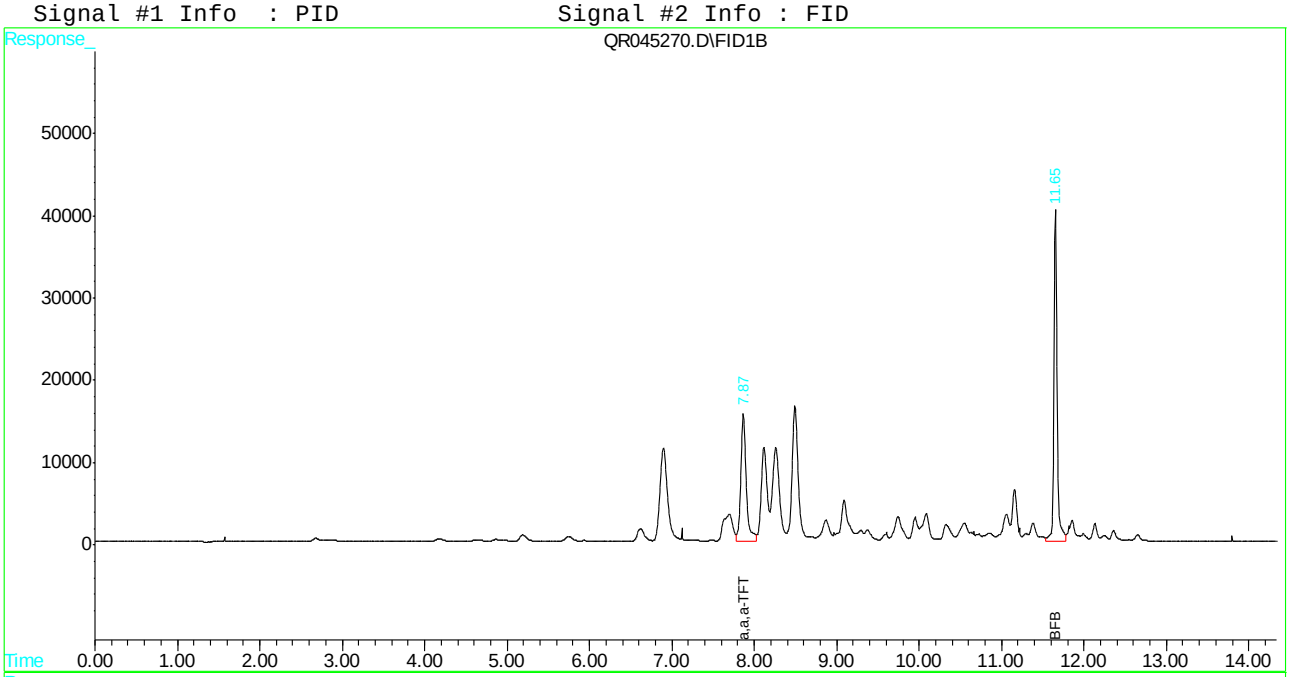
(f)=RT Delta > 1/2 Window (m)=manual int.
QR045270.D 8015S-QR.M Wed Dec 17 09:20:57 2008 Page 1

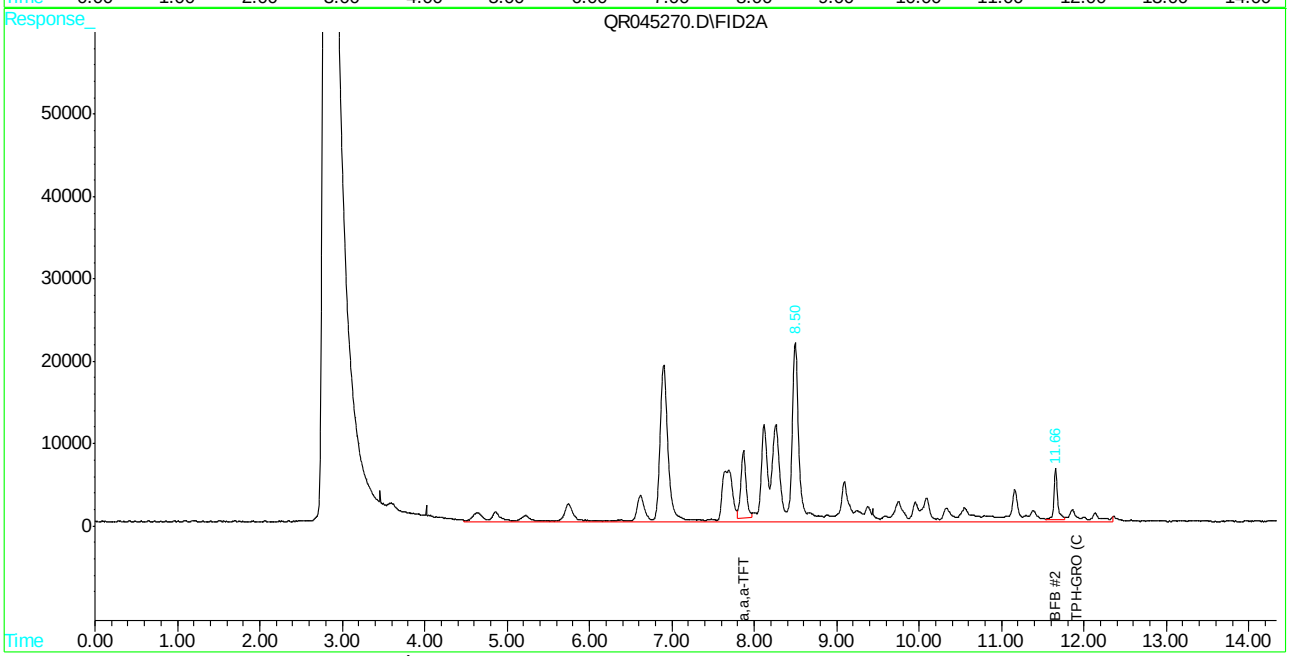
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\QR045270.D\FID1B.CH Vial: 7
Signal #2 : C:\HPCHEM\1\DATA\121608\QR045270.D\FID2A.CH
Acq On : 16 Dec 2008 2:12 pm Operator: ArielH
Sample : f61975-3,500x Inst : VOA3
Misc : gc9255,gqr1968,5.70,,10,5.0,,soil Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 17 9:08 2008 Quant Results File: 8015S-QR.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-QR.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 15:28:06 2008
Response via : Multiple Level Calibration
DataAcq Meth : GRO-QR.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\CD086475.D\FID1B.CH Vial: 17
Signal #2 : C:\HPCHEM\1\DATA\121608\CD086475.D\FID2A.CH
Acq On : 16 Dec 2008 3:37 pm Operator: JuanG
Sample : f61975-4 Inst : VOA2
Misc : gc9255,gcd3636,6.00,,100,5,1, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 17 13:03 2008 Quant Results File: 8015S-CD.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-CD.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Dec 03 09:01:46 2008
Response via : Initial Calibration
DataAcq Meth : GRO.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-TFT	6.63	1946	16.281
Spiked Amount 20.000	Range 61 - 121	Recovery =	81.41%
2) S BFB	11.22	4924	15.356
Spiked Amount 20.000	Range 56 - 136	Recovery =	76.78%
4) S a,a,a-TFT #2	6.63	599522	16.033
Spiked Amount 20.000	Range 61 - 121	Recovery =	80.17%
5) S BFB #2	11.22	384478	15.726
Spiked Amount 20.000	Range 56 - 136	Recovery =	78.63%
Target Compounds			

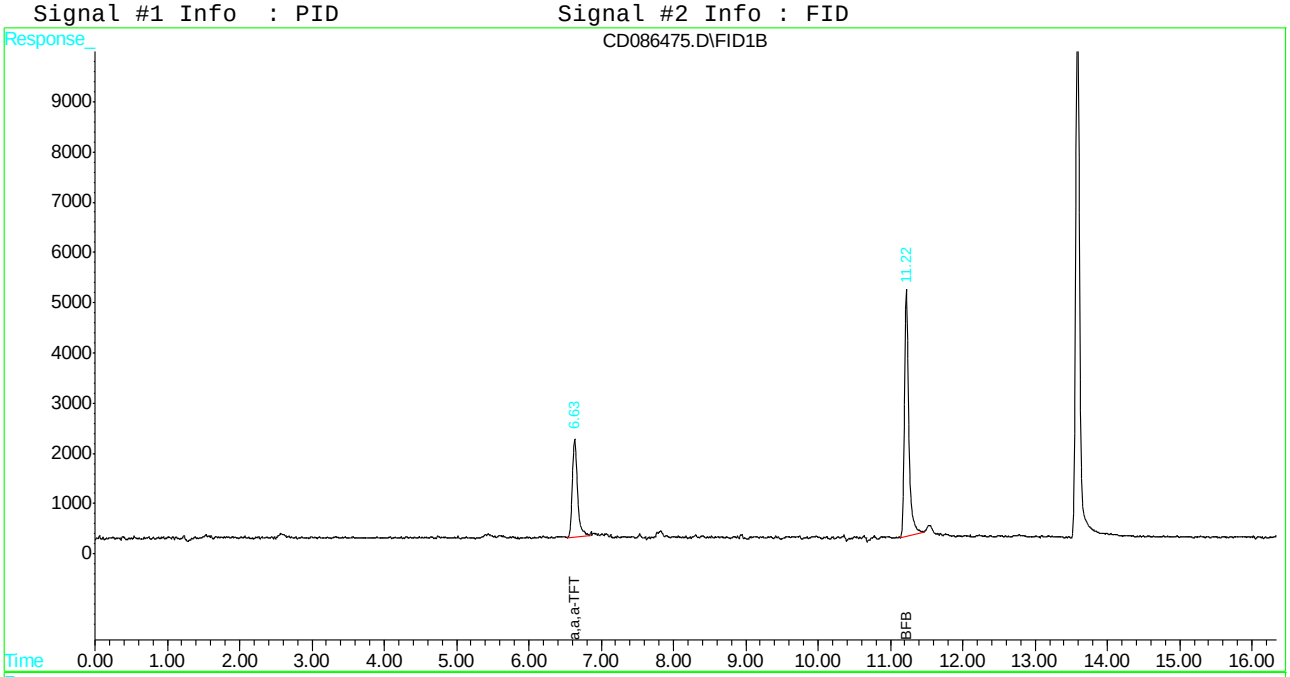
(f)=RT Delta > 1/2 Window (m)=manual int.
CD086475.D 8015S-CD.M Wed Dec 17 13:06:33 2008 Page 1

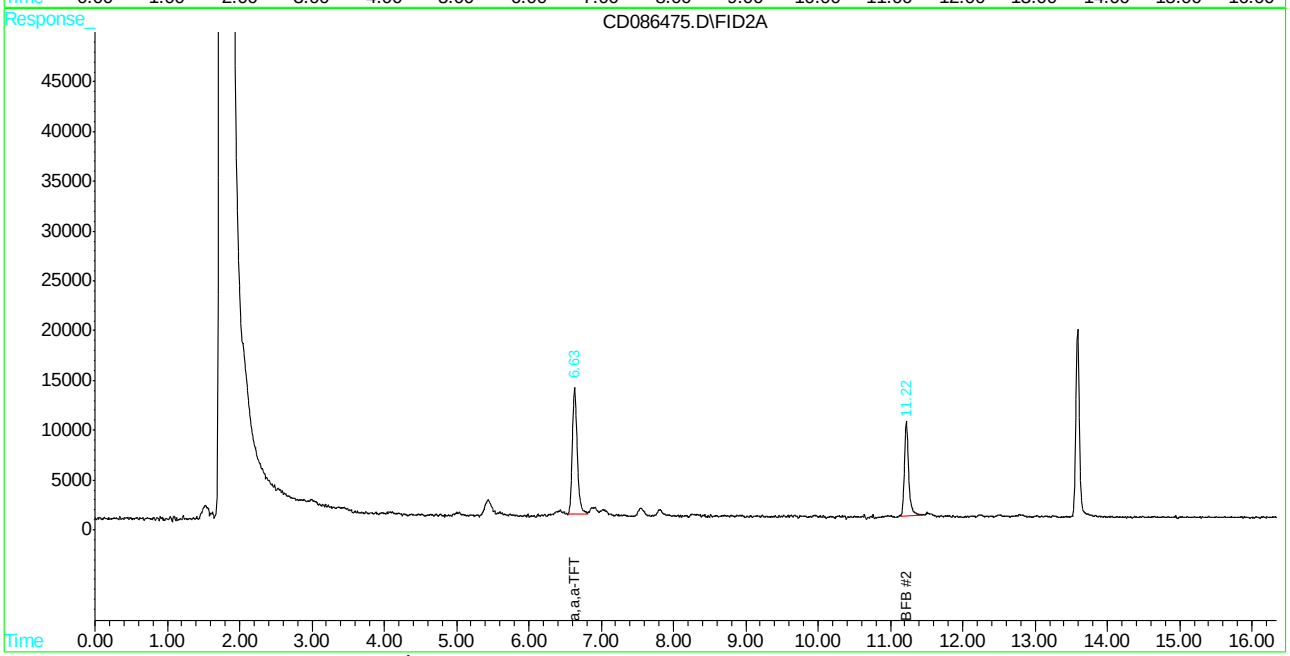
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\CD086475.D\FID1B.CH Vial: 17
Signal #2 : C:\HPCHEM\1\DATA\121608\CD086475.D\FID2A.CH
Acq On : 16 Dec 2008 3:37 pm Operator: JuanG
Sample : f61975-4 Inst : VOA2
Misc : gc9255,gcd3636,6.00,,100,5,1, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 17 13:03 2008 Quant Results File: 8015S-CD.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-CD.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Dec 03 09:01:46 2008
Response via : Multiple Level Calibration
DataAcq Meth : GRO.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID





CD086475.D 8015S-CD.M Wed Dec 17 13:06:34 2008 Page 2

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\CD086476.D\FID1B.CH Vial: 18
Signal #2 : C:\HPCHEM\1\DATA\121608\CD086476.D\FID2A.CH
Acq On : 16 Dec 2008 4:02 pm Operator: JuanG
Sample : f61975-5 Inst : VOA2
Misc : gc9255,gcd3636,5.79,,100,5,1, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 17 13:03 2008 Quant Results File: 8015S-CD.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-CD.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Dec 03 09:01:46 2008
Response via : Initial Calibration
DataAcq Meth : GRO.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-TFT	6.63	1968	16.458
Spiked Amount 20.000	Range 61 - 121	Recovery =	82.29%
2) S BFB	11.21	5060	15.779
Spiked Amount 20.000	Range 56 - 136	Recovery =	78.90%
4) S a,a,a-TFT #2	6.63	621726	16.627
Spiked Amount 20.000	Range 61 - 121	Recovery =	83.13%
5) S BFB #2	11.21	419864	17.174
Spiked Amount 20.000	Range 56 - 136	Recovery =	85.87%
Target Compounds			

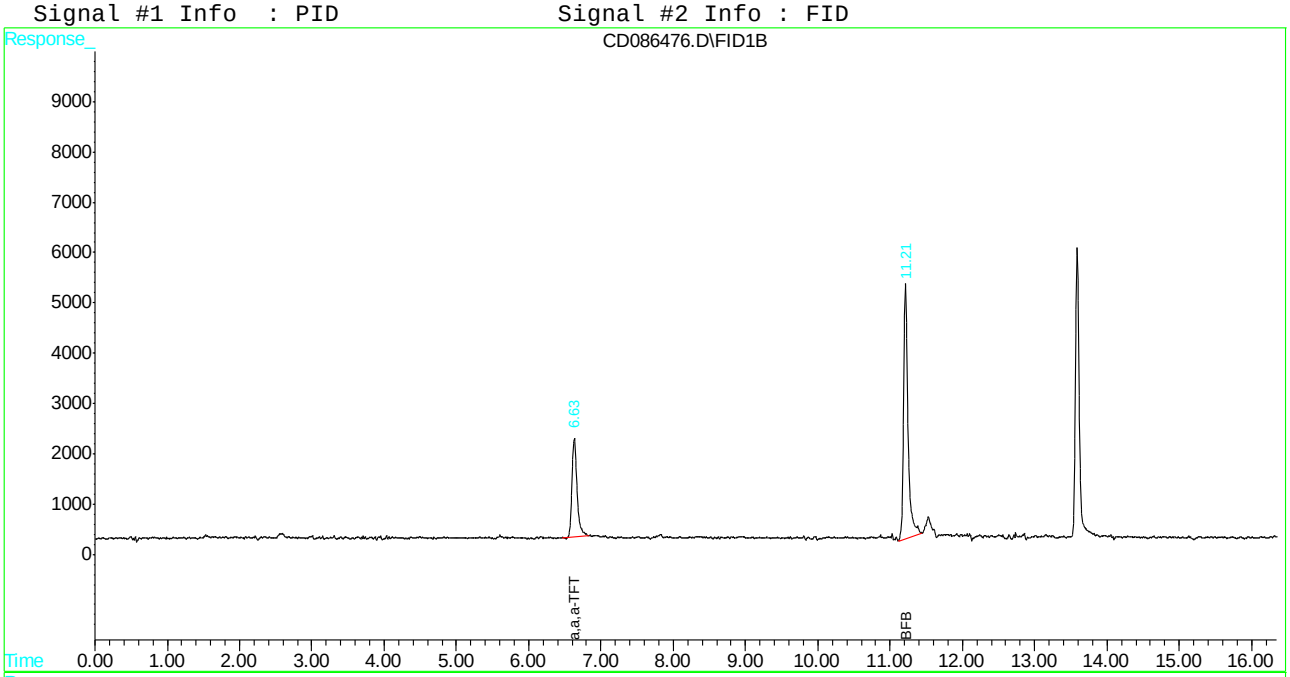
(f)=RT Delta > 1/2 Window (m)=manual int.
CD086476.D 8015S-CD.M Wed Dec 17 13:06:37 2008 Page 1

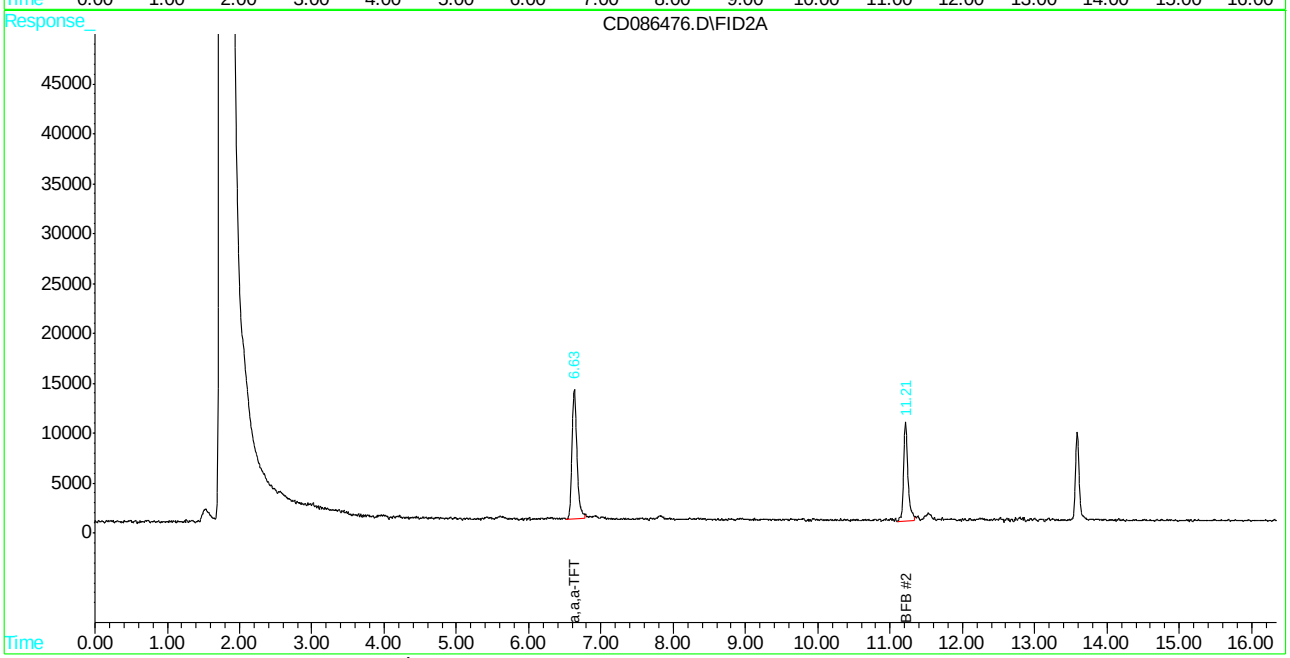
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\CD086476.D\FID1B.CH Vial: 18
Signal #2 : C:\HPCHEM\1\DATA\121608\CD086476.D\FID2A.CH
Acq On : 16 Dec 2008 4:02 pm Operator: JuanG
Sample : f61975-5 Inst : VOA2
Misc : gc9255,gcd3636,5.79,,100,5,1, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 17 13:03 2008 Quant Results File: 8015S-CD.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-CD.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Dec 03 09:01:46 2008
Response via : Multiple Level Calibration
DataAcq Meth : GRO.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID





Manual Integrations APPROVED (compounds with "m" flag)
Juan Garcia
12/18/08 10:23

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\CD086477.D\FID1B.CH Vial: 19
Signal #2 : C:\HPCHEM\1\DATA\121608\CD086477.D\FID2A.CH
Acq On : 16 Dec 2008 4:26 pm Operator: JuanG
Sample : f61975-6 Inst : VOA2
Misc : gc9255,gcd3636,5.90,,100,5,1, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 18 10:17 2008 Quant Results File: 8015S-CD.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-CD.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Dec 03 09:01:46 2008
Response via : Initial Calibration
DataAcq Meth : GRO.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID

	Compound		R.T.	Response	Conc	Units	
	System Monitoring Compounds						
1)	S a,a,a-TFT		6.63	1948	16.289		
Spiked Amount	20.000	Range	61 - 121	Recovery	= 81.45%		
2)	S BFB		11.21	4776	14.892		
Spiked Amount	20.000	Range	56 - 136	Recovery	= 74.46%		
4)	S a,a,a-TFT #2		6.63	670532	17.932		
Spiked Amount	20.000	Range	61 - 121	Recovery	= 89.66%		
5)	S BFB #2		11.21	466013	19.061		m
Spiked Amount	20.000	Range	56 - 136	Recovery	= 95.30%		
	Target Compounds						
6)	H TPH-GRO (C6-C10)		11.80	11271490	341.470	ug/kg	

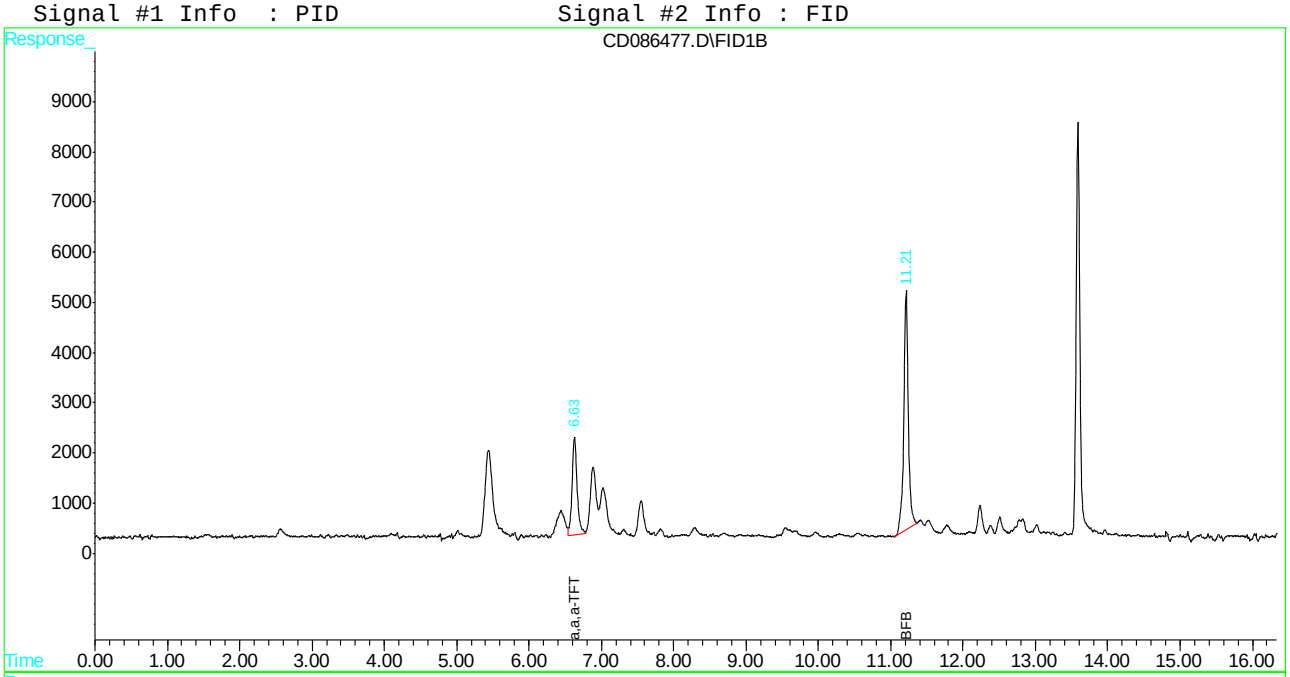
(f)=RT Delta > 1/2 Window (m)=manual int.
CD086477.D 8015S-CD.M Thu Dec 18 10:19:21 2008 Page 1

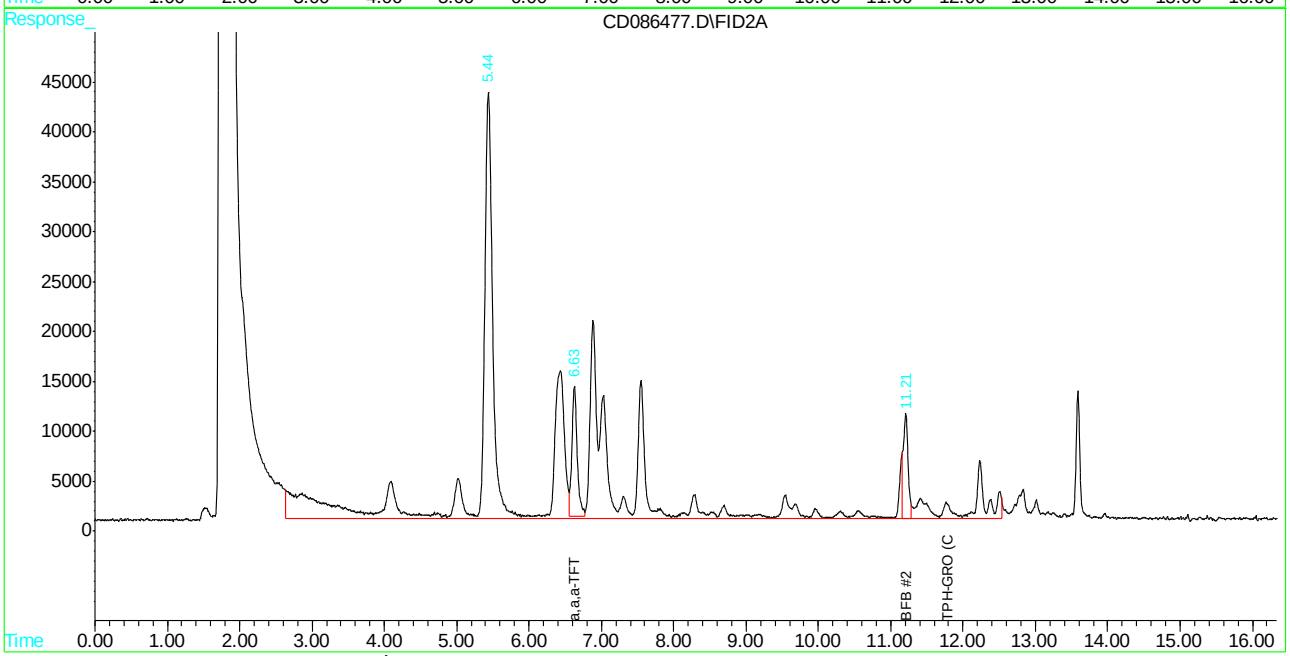
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\CD086477.D\FID1B.CH Vial: 19
Signal #2 : C:\HPCHEM\1\DATA\121608\CD086477.D\FID2A.CH
Acq On : 16 Dec 2008 4:26 pm Operator: JuanG
Sample : f61975-6 Inst : VOA2
Misc : gc9255,gcd3636,5.90,,100,5,1, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 18 10:17 2008 Quant Results File: 8015S-CD.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-CD.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Dec 03 09:01:46 2008
Response via : Multiple Level Calibration
DataAcq Meth : GRO.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID





ACCUTEST Laboratories F61975

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\CD086478.D\FID1B.CH Vial: 20
Signal #2 : C:\HPCHEM\1\DATA\121608\CD086478.D\FID2A.CH
Acq On : 16 Dec 2008 4:52 pm Operator: JuanG
Sample : f61975-7 Inst : VOA2
Misc : gc9255,gcd3636,5.05,,100,5,1, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 17 13:04 2008 Quant Results File: 8015S-CD.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-CD.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Dec 03 09:01:46 2008
Response via : Initial Calibration
DataAcq Meth : GRO.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-TFT	6.63	1979	16.550
Spiked Amount 20.000	Range 61 - 121	Recovery = 82.75%	
2) S BFB	11.22	5107	15.924
Spiked Amount 20.000	Range 56 - 136	Recovery = 79.62%	
4) S a,a,a-TFT #2	6.63	650542	17.398
Spiked Amount 20.000	Range 61 - 121	Recovery = 86.99%	
5) S BFB #2	11.22	423771	17.334
Spiked Amount 20.000	Range 56 - 136	Recovery = 86.67%	
Target Compounds			

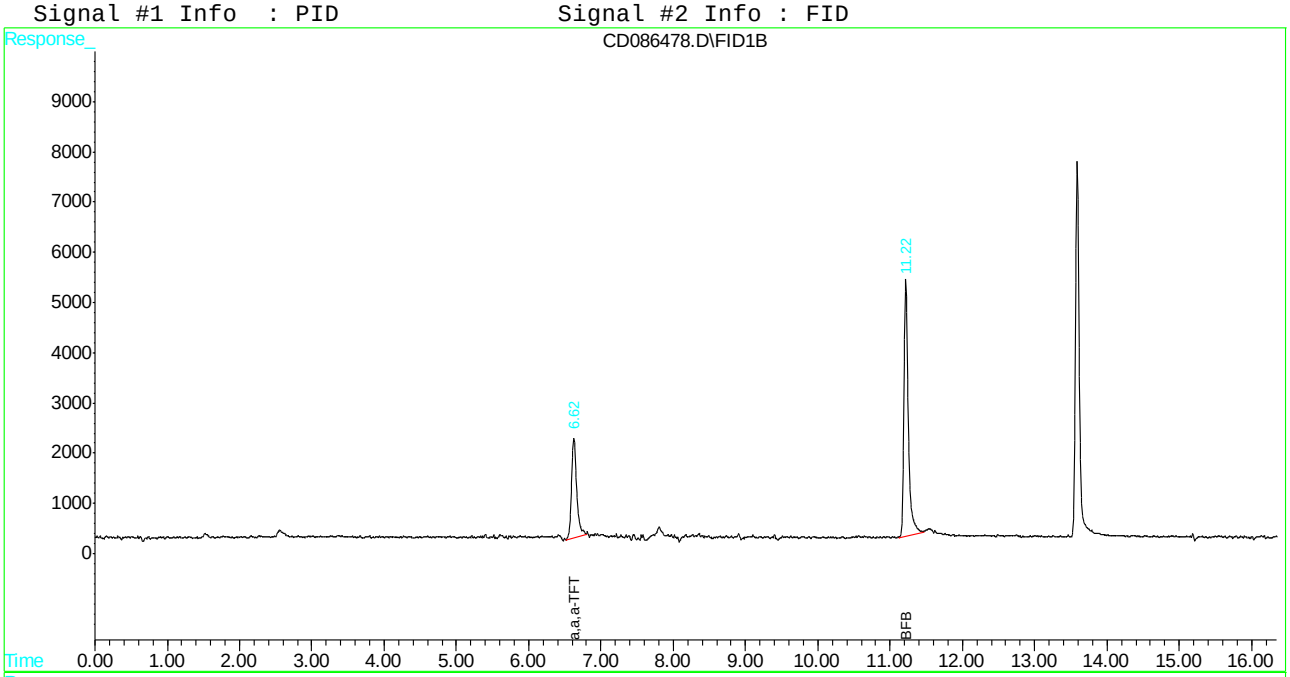
(f)=RT Delta > 1/2 Window (m)=manual int.
CD086478.D 8015S-CD.M Wed Dec 17 13:06:44 2008 Page 1

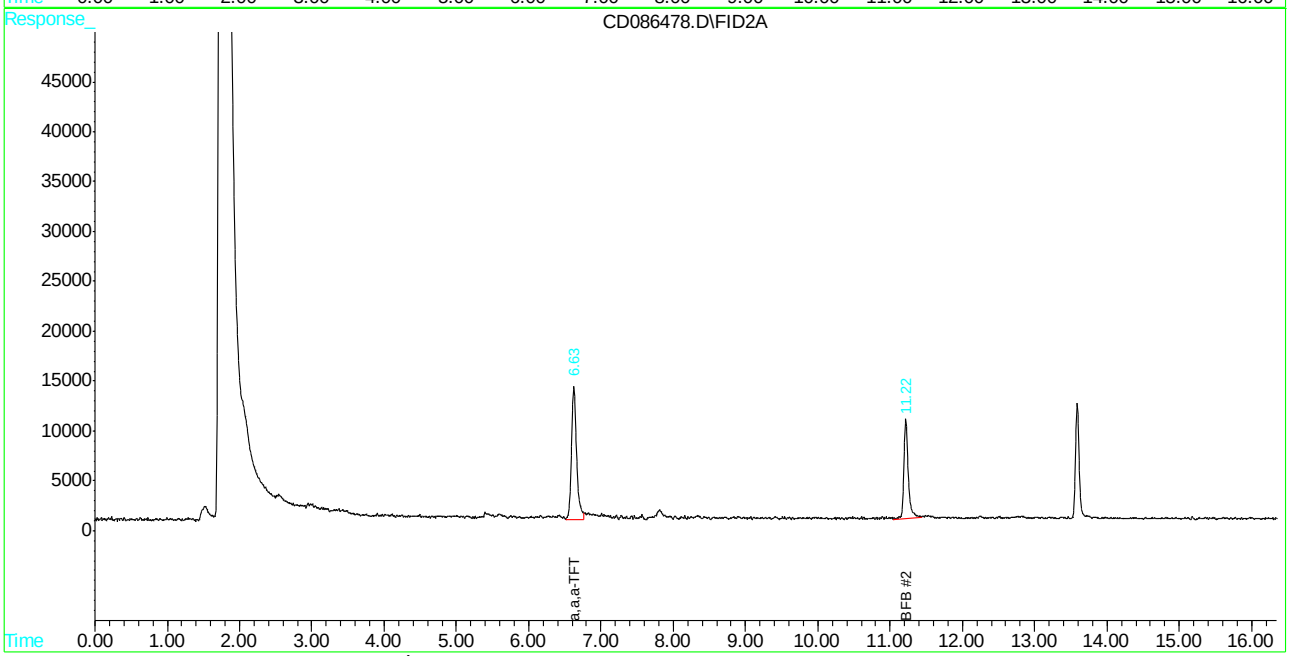
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\CD086478.D\FID1B.CH Vial: 20
Signal #2 : C:\HPCHEM\1\DATA\121608\CD086478.D\FID2A.CH
Acq On : 16 Dec 2008 4:52 pm Operator: JuanG
Sample : f61975-7 Inst : VOA2
Misc : gc9255,gcd3636,5.05,,100,5,1, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 17 13:04 2008 Quant Results File: 8015S-CD.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-CD.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Dec 03 09:01:46 2008
Response via : Multiple Level Calibration
DataAcq Meth : GRO.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\CD086463.D\FID1B.CH Vial: 5
Signal #2 : C:\HPCHEM\1\DATA\121608\CD086463.D\FID2A.CH
Acq On : 16 Dec 2008 10:36 am Operator: JuanG
Sample : mb Inst : VOA2
Misc : gc9242,gcd3636,5.00,,100,5,1, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 17 13:01 2008 Quant Results File: 8015S-CD.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-CD.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Dec 03 09:01:46 2008
Response via : Initial Calibration
DataAcq Meth : GRO.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-TFT	6.63	1941	16.231
Spiked Amount 20.000	Range 61 - 121	Recovery =	81.16%
2) S BFB	11.22	5226	16.297
Spiked Amount 20.000	Range 56 - 136	Recovery =	81.49%
4) S a,a,a-TFT #2	6.63	623702	16.680
Spiked Amount 20.000	Range 61 - 121	Recovery =	83.40%
5) S BFB #2	11.22	393532	16.097
Spiked Amount 20.000	Range 56 - 136	Recovery =	80.49%
Target Compounds			

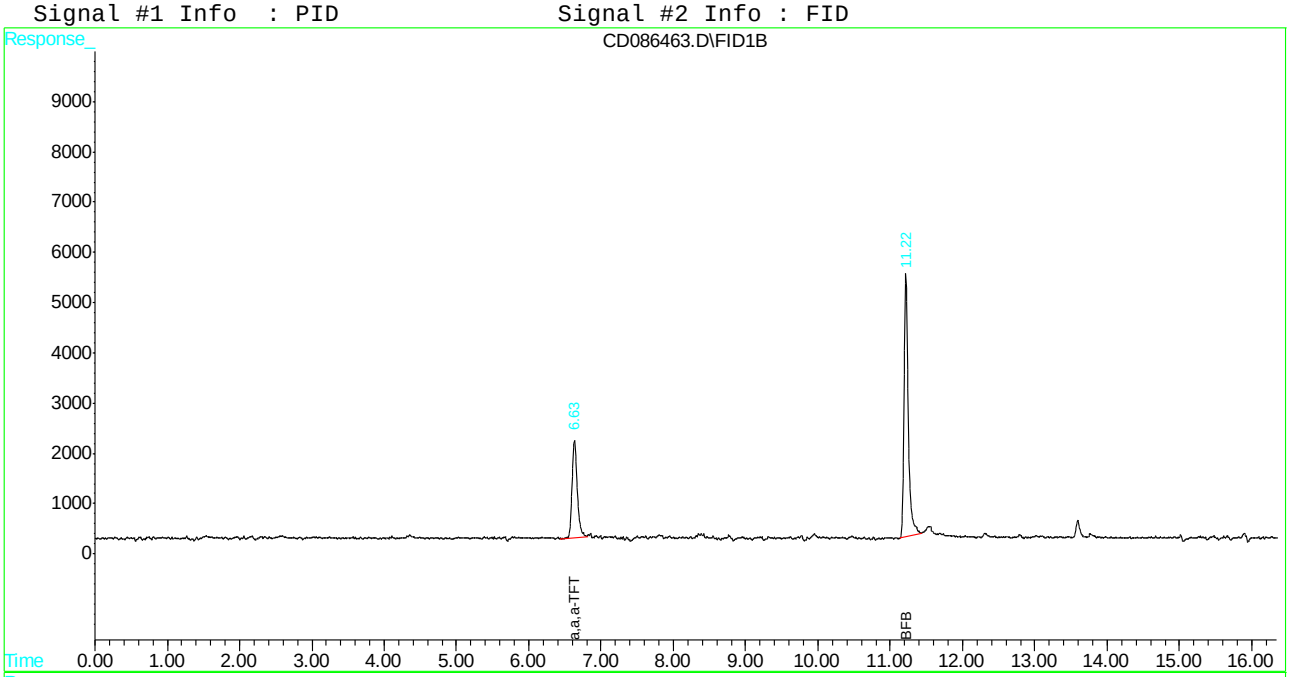
(f)=RT Delta > 1/2 Window (m)=manual int.
CD086463.D 8015S-CD.M Wed Dec 17 13:05:50 2008 Page 1

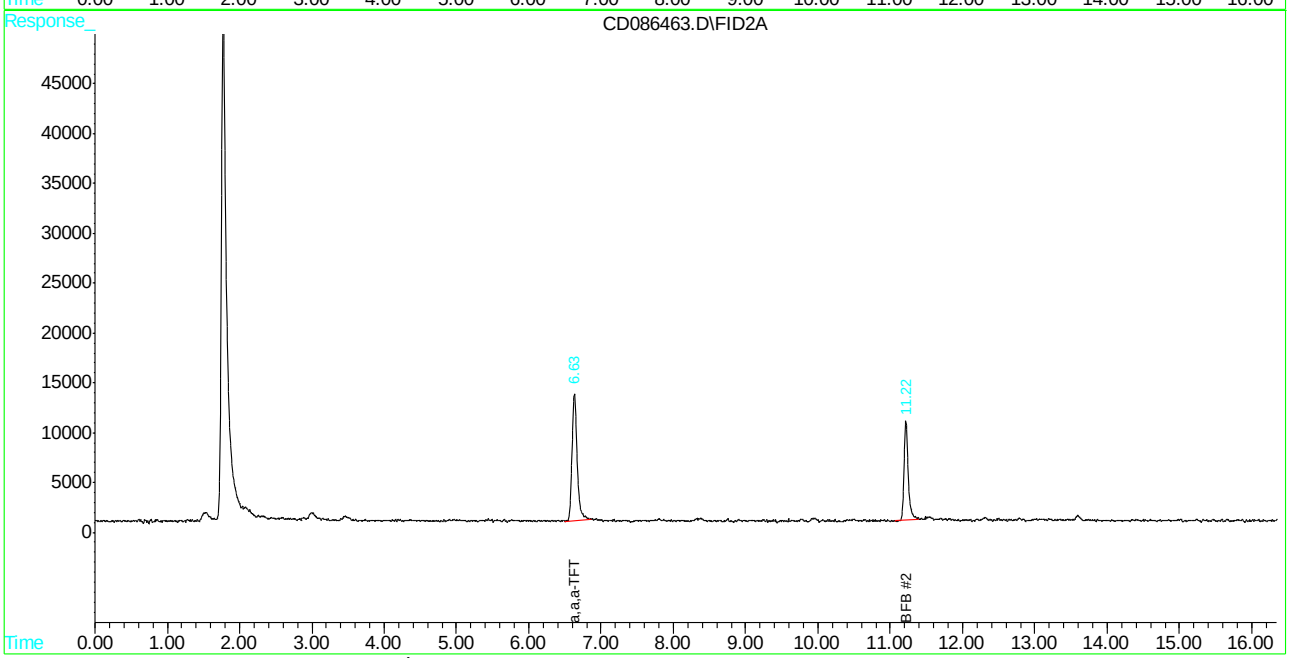
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\CD086463.D\FID1B.CH Vial: 5
Signal #2 : C:\HPCHEM\1\DATA\121608\CD086463.D\FID2A.CH
Acq On : 16 Dec 2008 10:36 am Operator: JuanG
Sample : mb Inst : VOA2
Misc : gc9242,gcd3636,5.00,,100,5,1, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 17 13:01 2008 Quant Results File: 8015S-CD.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-CD.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Dec 03 09:01:46 2008
Response via : Multiple Level Calibration
DataAcq Meth : GRO.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID





ACCUTEST Laboratories F61975

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\QR045268.D\FID1B.CH Vial: 5
Signal #2 : C:\HPCHEM\1\DATA\121608\QR045268.D\FID2A.CH
Acq On : 16 Dec 2008 1:18 pm Operator: ArielH
Sample : MB Inst : VOA3
Misc : gc9255,gqr1968,5.00,,100,5.0,,soil Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 17 9:07 2008 Quant Results File: 8015S-QR.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-QR.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 15:28:06 2008
Response via : Initial Calibration
DataAcq Meth : GRO-QR.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-TFT	7.87	14649	19.300 ug/Kg
Spiked Amount 20.000	Range 61 - 121	Recovery =	96.50%
2) S BFB	11.65	30379	16.689 ug/Kg
Spiked Amount 20.000	Range 56 - 136	Recovery =	83.45%
4) S a,a,a-TFT #2	7.87	324956	14.622 ug/Kg
Spiked Amount 20.000	Range 61 - 121	Recovery =	73.11%
5) S BFB #2	11.65	113974	13.084 ug/Kg
Spiked Amount 20.000	Range 56 - 136	Recovery =	65.42%
Target Compounds			

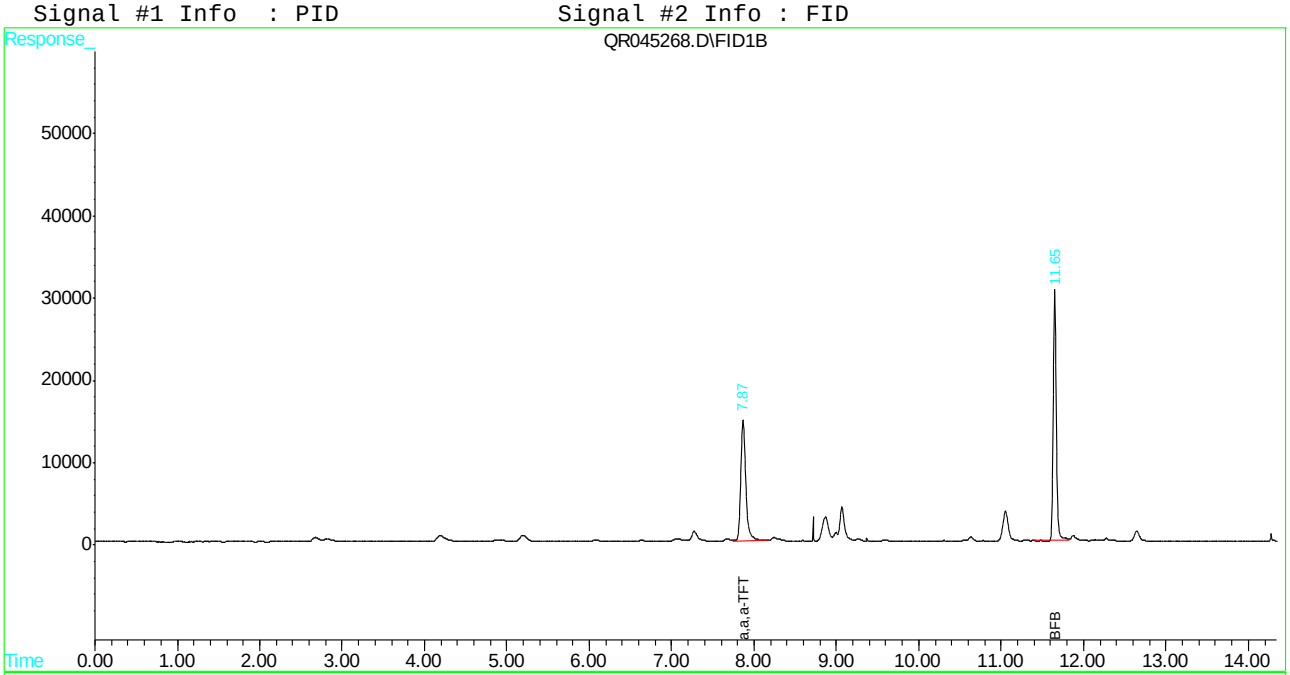
(f)=RT Delta > 1/2 Window (m)=manual int.
QR045268.D 8015S-QR.M Wed Dec 17 09:20:51 2008 Page 1

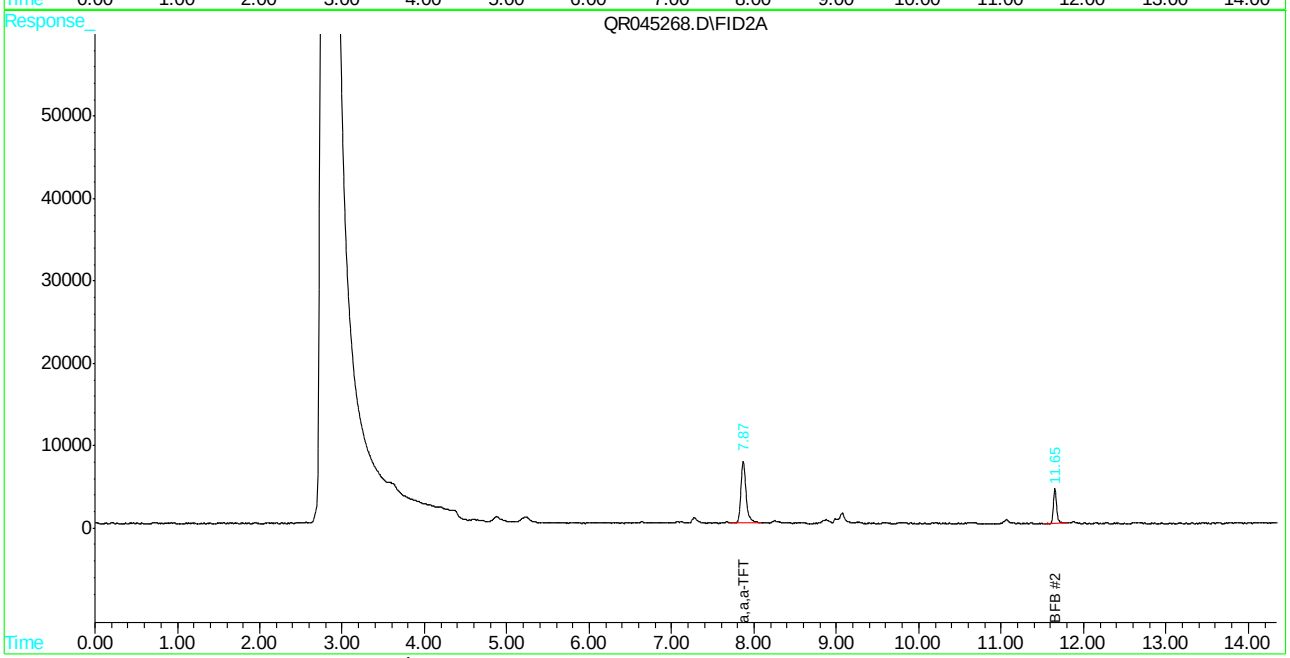
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\QR045268.D\FID1B.CH Vial: 5
Signal #2 : C:\HPCHEM\1\DATA\121608\QR045268.D\FID2A.CH
Acq On : 16 Dec 2008 1:18 pm Operator: ArielH
Sample : MB Inst : VOA3
Misc : gc9255,gqr1968,5.00,,100,5.0,,soil Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 17 9:07 2008 Quant Results File: 8015S-QR.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-QR.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 15:28:06 2008
Response via : Multiple Level Calibration
DataAcq Meth : GRO-QR.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID





ACCUTEST Laboratories F61975

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\CD086462.D\FID1B.CH Vial: 4
Signal #2 : C:\HPCHEM\1\DATA\121608\CD086462.D\FID2A.CH
Acq On : 16 Dec 2008 10:11 am Operator: JuanG
Sample : bs Inst : VOA2
Misc : gc9242,gcd3636,5.00,,100,5,1, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 16 10:33 2008 Quant Results File: 8015S-CD.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-CD.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Dec 03 09:01:46 2008
Response via : Initial Calibration
DataAcq Meth : GRO.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-TFT	6.64	1966	16.441
Spiked Amount 20.000	Range 61 - 121	Recovery =	82.20%
2) S BFB	11.22	5360	16.716
Spiked Amount 20.000	Range 56 - 136	Recovery =	83.58%
4) S a,a,a-TFT #2	6.64	701930	18.772
Spiked Amount 20.000	Range 61 - 121	Recovery =	93.86%
5) S BFB #2	11.22	527589	21.580
Spiked Amount 20.000	Range 56 - 136	Recovery =	107.90%
Target Compounds			
6) H TPH-GRO (C6-C10)	11.80	11600160	352.795 ug/kg

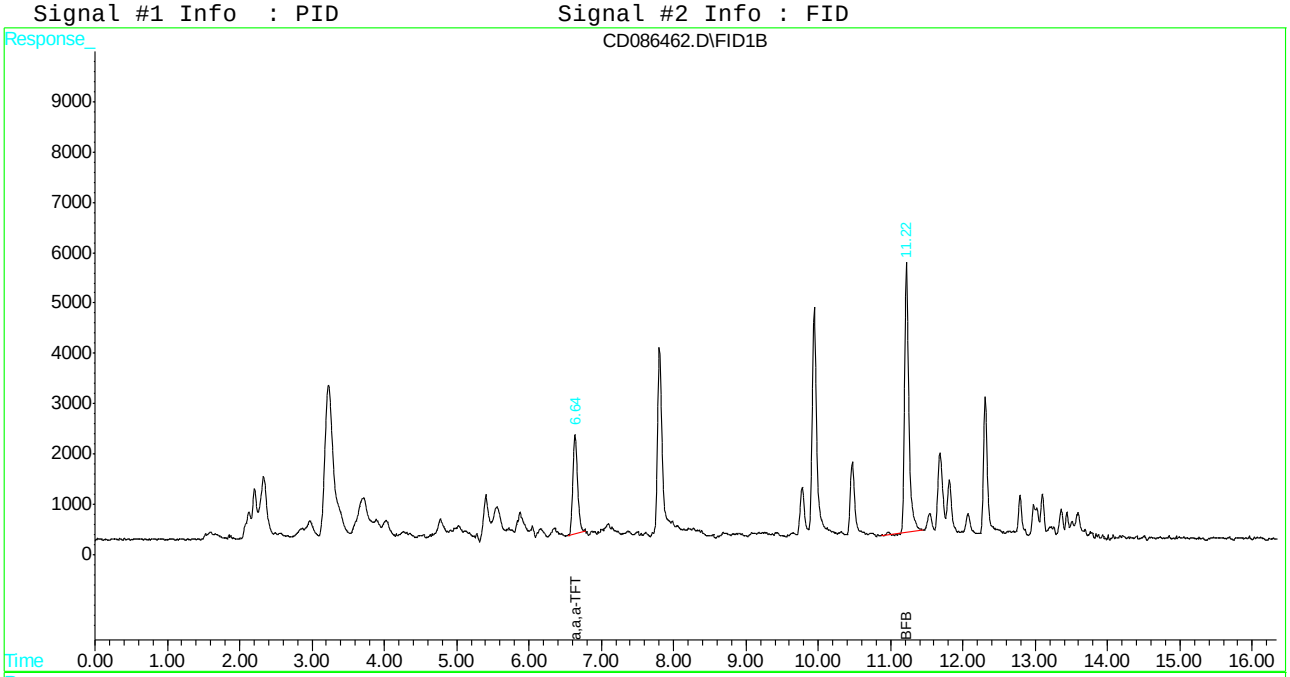
(f)=RT Delta > 1/2 Window (m)=manual int.
CD086462.D 8015S-CD.M Wed Dec 17 13:05:45 2008 Page 1

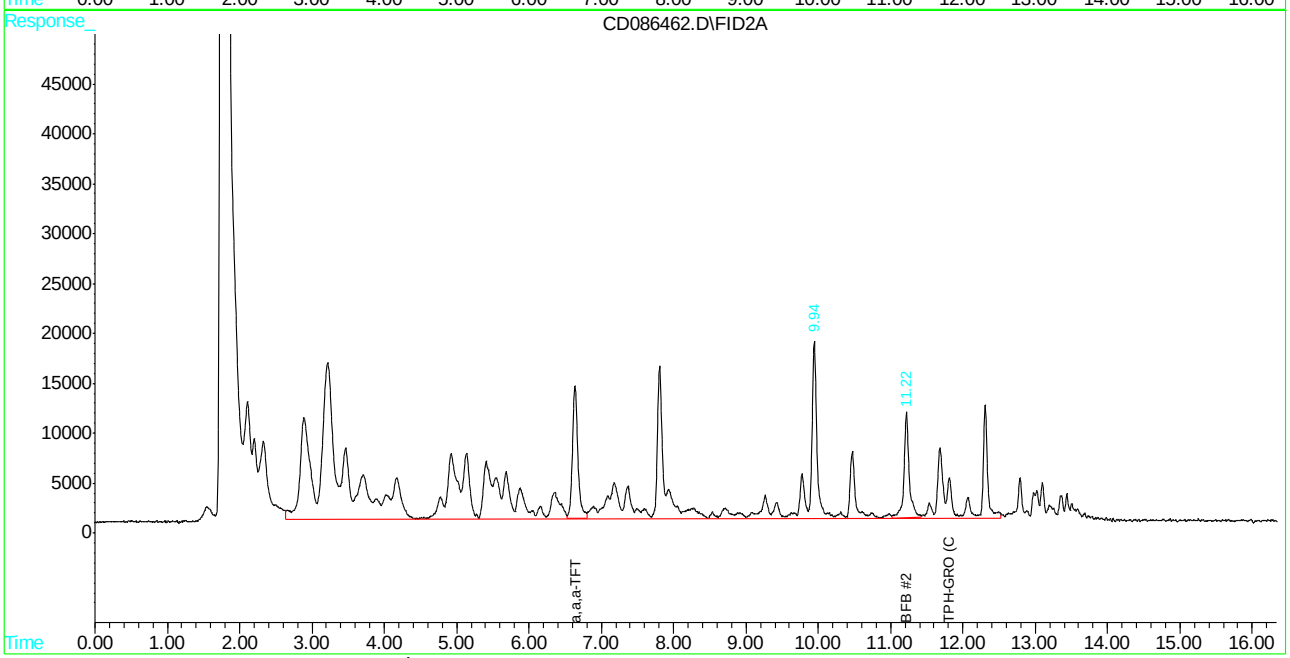
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\CD086462.D\FID1B.CH Vial: 4
Signal #2 : C:\HPCHEM\1\DATA\121608\CD086462.D\FID2A.CH
Acq On : 16 Dec 2008 10:11 am Operator: JuanG
Sample : bs Inst : VOA2
Misc : gc9242,gcd3636,5.00,,100,5,1, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 16 10:33 2008 Quant Results File: 8015S-CD.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-CD.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Dec 03 09:01:46 2008
Response via : Multiple Level Calibration
DataAcq Meth : GRO.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID





ACCUTEST Laboratories F61975

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\QR045267.D\FID1B.CH Vial: 4
Signal #2 : C:\HPCHEM\1\DATA\121608\QR045267.D\FID2A.CH
Acq On : 16 Dec 2008 12:51 pm Operator: ArielH
Sample : BS Inst : VOA3
Misc : gc9255,gqr1968,5.00,,100,5.0,,soil Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 17 9:07 2008 Quant Results File: 8015S-QR.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-QR.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 15:28:06 2008
Response via : Initial Calibration
DataAcq Meth : GRO-QR.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-TFT	7.87	15427	20.325 ug/Kg
Spiked Amount 20.000	Range 61 - 121	Recovery = 101.62%	
2) S BFB	11.65	37841	20.788 ug/Kg
Spiked Amount 20.000	Range 56 - 136	Recovery = 103.94%	
4) S a,a,a-TFT #2	7.87	393736	17.716 ug/Kg
Spiked Amount 20.000	Range 61 - 121	Recovery = 88.58%	
5) S BFB #2	11.65	155955	17.903 ug/Kg
Spiked Amount 20.000	Range 56 - 136	Recovery = 89.51%	
Target Compounds			
6) H TPH-GRO (C6-C10)	11.92	6959979	389.736 ug/Kg

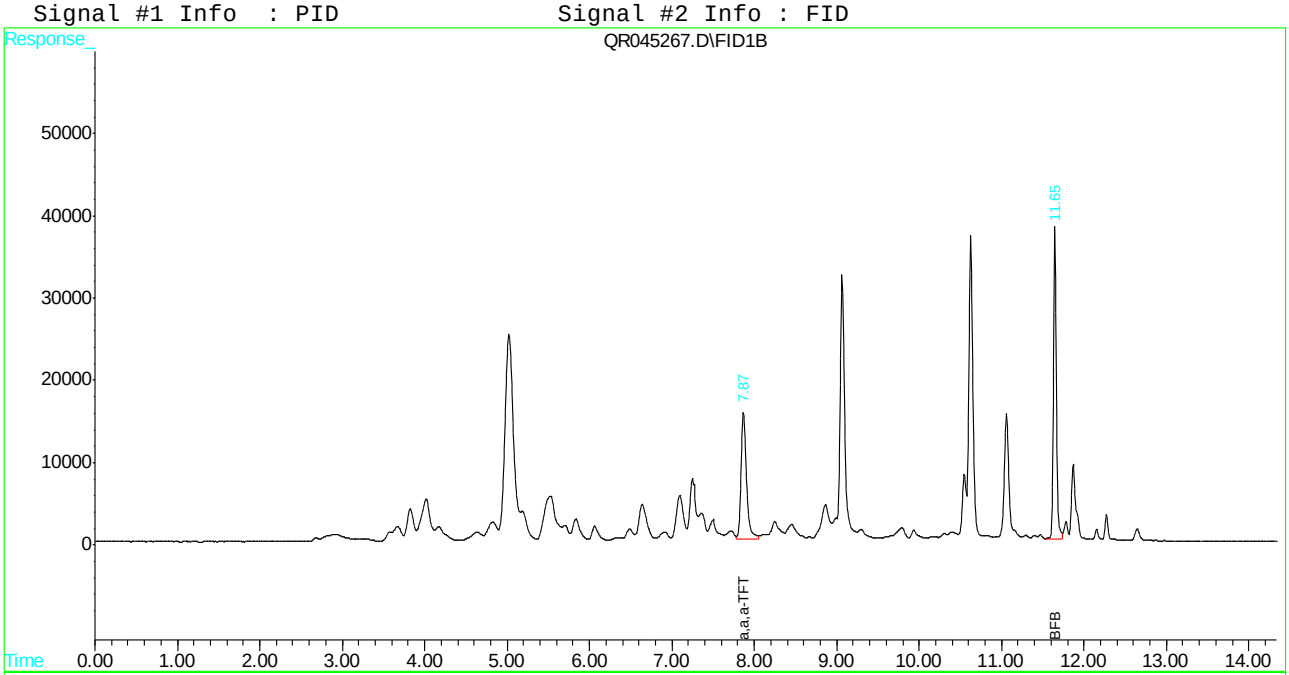
(f)=RT Delta > 1/2 Window (m)=manual int.
QR045267.D 8015S-QR.M Wed Dec 17 09:20:48 2008 Page 1

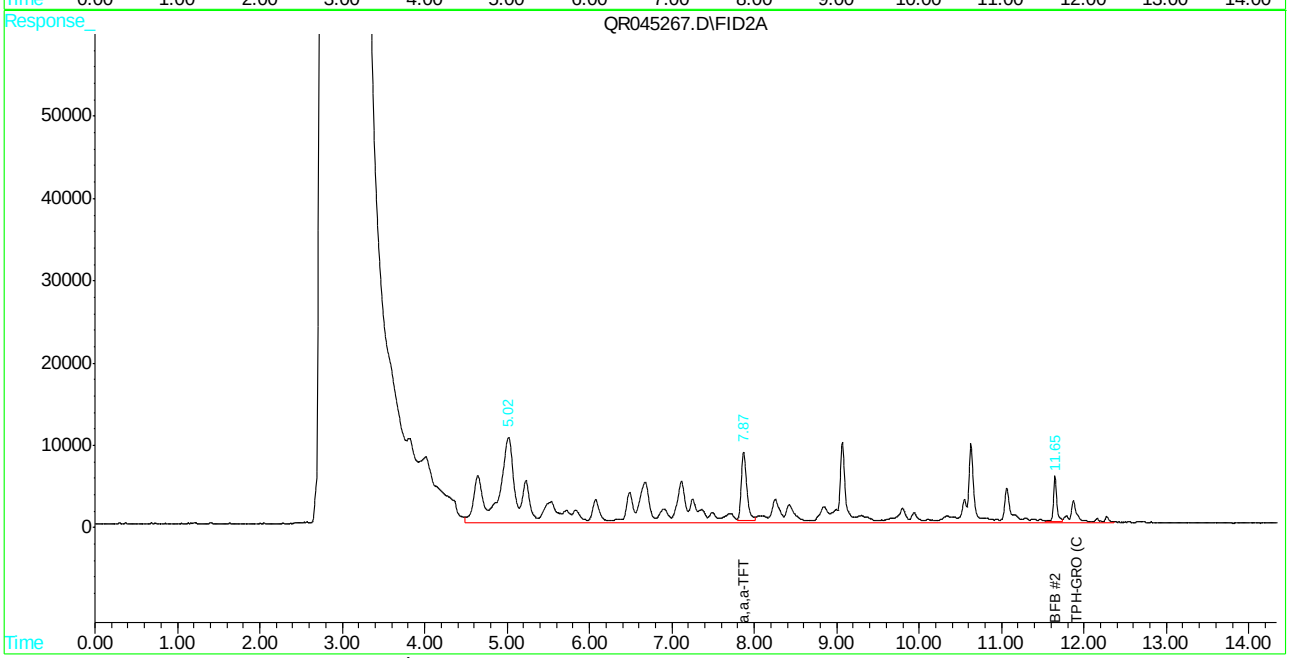
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\QR045267.D\FID1B.CH Vial: 4
Signal #2 : C:\HPCHEM\1\DATA\121608\QR045267.D\FID2A.CH
Acq On : 16 Dec 2008 12:51 pm Operator: ArielH
Sample : BS Inst : VOA3
Misc : gc9255,gqr1968,5.00,,100,5.0,,soil Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 17 9:07 2008 Quant Results File: 8015S-QR.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-QR.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 15:28:06 2008
Response via : Multiple Level Calibration
DataAcq Meth : GRO-QR.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\CD086482.D\FID1B.CH Vial: 24
Signal #2 : C:\HPCHEM\1\DATA\121608\CD086482.D\FID2A.CH
Acq On : 16 Dec 2008 6:29 pm Operator: JuanG
Sample : f61975-4ms Inst : VOA2
Misc : gc9255,gcd3636,6.00,,100,5,1, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 17 10:05 2008 Quant Results File: 8015S-CD.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-CD.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Dec 03 09:01:46 2008
Response via : Initial Calibration
DataAcq Meth : GRO.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-TFT	6.63	1948	16.293
Spiked Amount 20.000	Range 61 - 121	Recovery =	81.47%
2) S BFB	11.21	5284	16.476
Spiked Amount 20.000	Range 56 - 136	Recovery =	82.38%
4) S a,a,a-TFT #2	6.63	693863	18.556
Spiked Amount 20.000	Range 61 - 121	Recovery =	92.78%
5) S BFB #2	11.21	540057	22.090
Spiked Amount 20.000	Range 56 - 136	Recovery =	110.45%
Target Compounds			
6) H TPH-GRO (C6-C10)	11.80	11918650	363.768 ug/kg

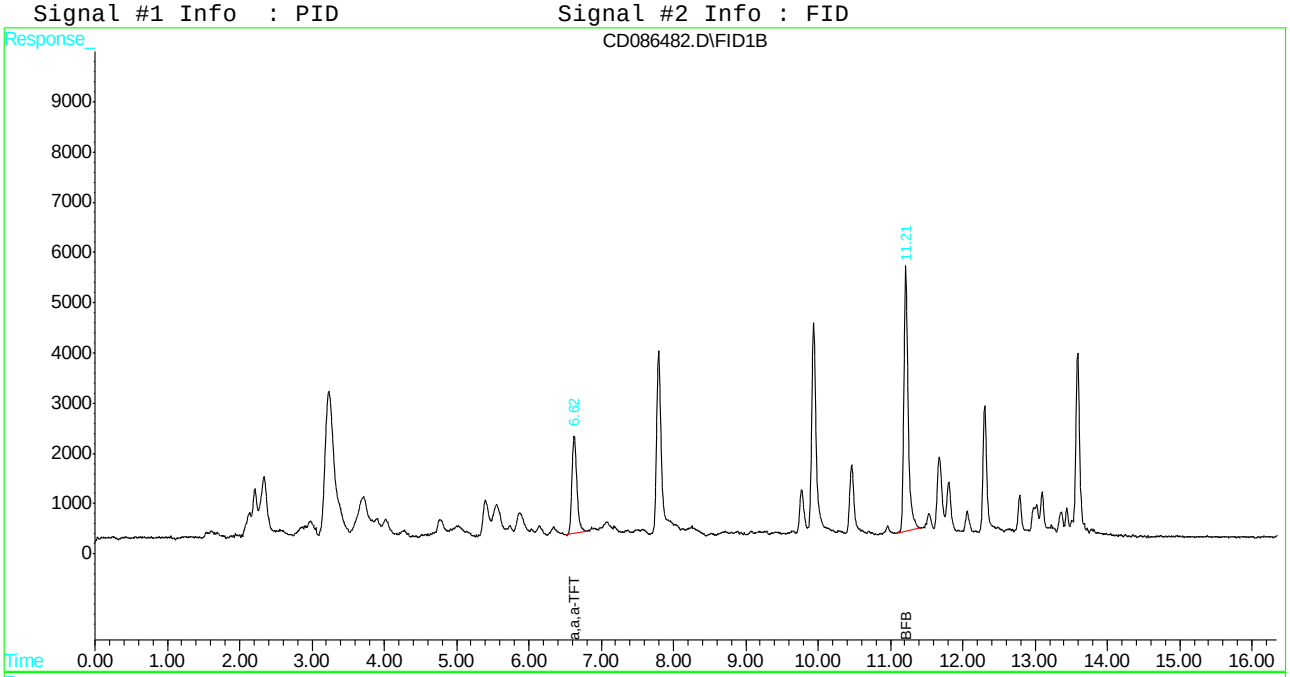
(f)=RT Delta > 1/2 Window (m)=manual int.
CD086482.D 8015S-CD.M Wed Dec 17 13:06:59 2008 Page 1

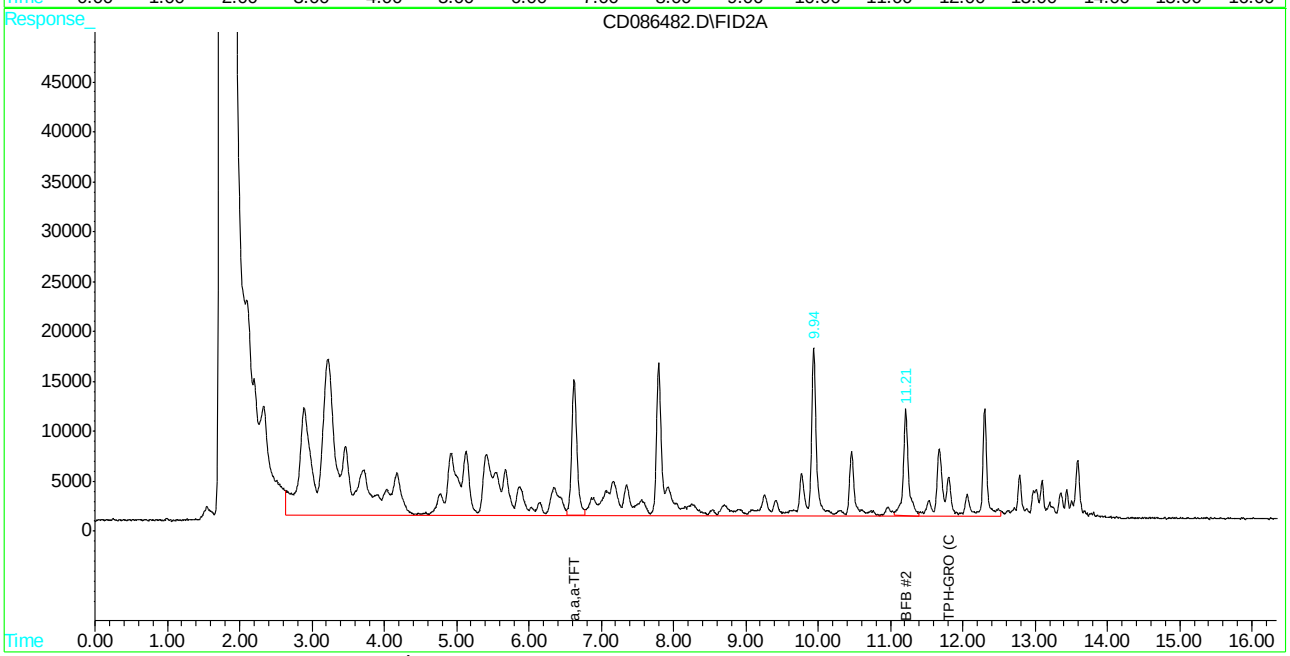
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\CD086482.D\FID1B.CH Vial: 24
Signal #2 : C:\HPCHEM\1\DATA\121608\CD086482.D\FID2A.CH
Acq On : 16 Dec 2008 6:29 pm Operator: JuanG
Sample : f61975-4ms Inst : VOA2
Misc : gc9255,gcd3636,6.00,,100,5,1, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 17 10:05 2008 Quant Results File: 8015S-CD.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-CD.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Dec 03 09:01:46 2008
Response via : Multiple Level Calibration
DataAcq Meth : GRO.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\CD086483.D\FID1B.CH Vial: 25
Signal #2 : C:\HPCHEM\1\DATA\121608\CD086483.D\FID2A.CH
Acq On : 16 Dec 2008 6:53 pm Operator: JuanG
Sample : f61975-4msd Inst : VOA2
Misc : gc9255,gcd3636,6.00,,100,5,1, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 17 10:05 2008 Quant Results File: 8015S-CD.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-CD.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Dec 03 09:01:46 2008
Response via : Initial Calibration
DataAcq Meth : GRO.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-TFT	6.63	1873	15.665
Spiked Amount 20.000	Range 61 - 121	Recovery =	78.33%
2) S BFB	11.22	5136	16.017
Spiked Amount 20.000	Range 56 - 136	Recovery =	80.08%
4) S a,a,a-TFT #2	6.63	684130	18.296
Spiked Amount 20.000	Range 61 - 121	Recovery =	91.48%
5) S BFB #2	11.22	513394	20.999
Spiked Amount 20.000	Range 56 - 136	Recovery =	104.99%
Target Compounds			
6) H TPH-GRO (C6-C10)	11.80	11259409	341.054 ug/kg

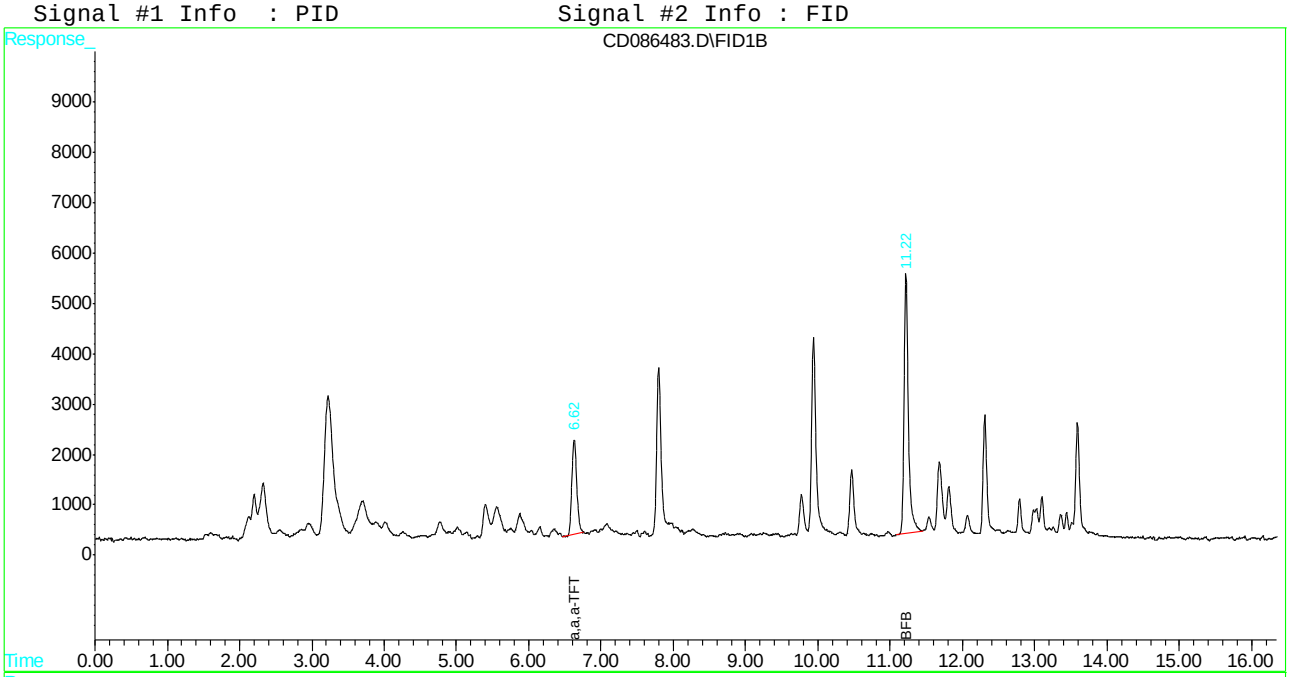
(f)=RT Delta > 1/2 Window (m)=manual int.
CD086483.D 8015S-CD.M Wed Dec 17 13:07:02 2008 Page 1

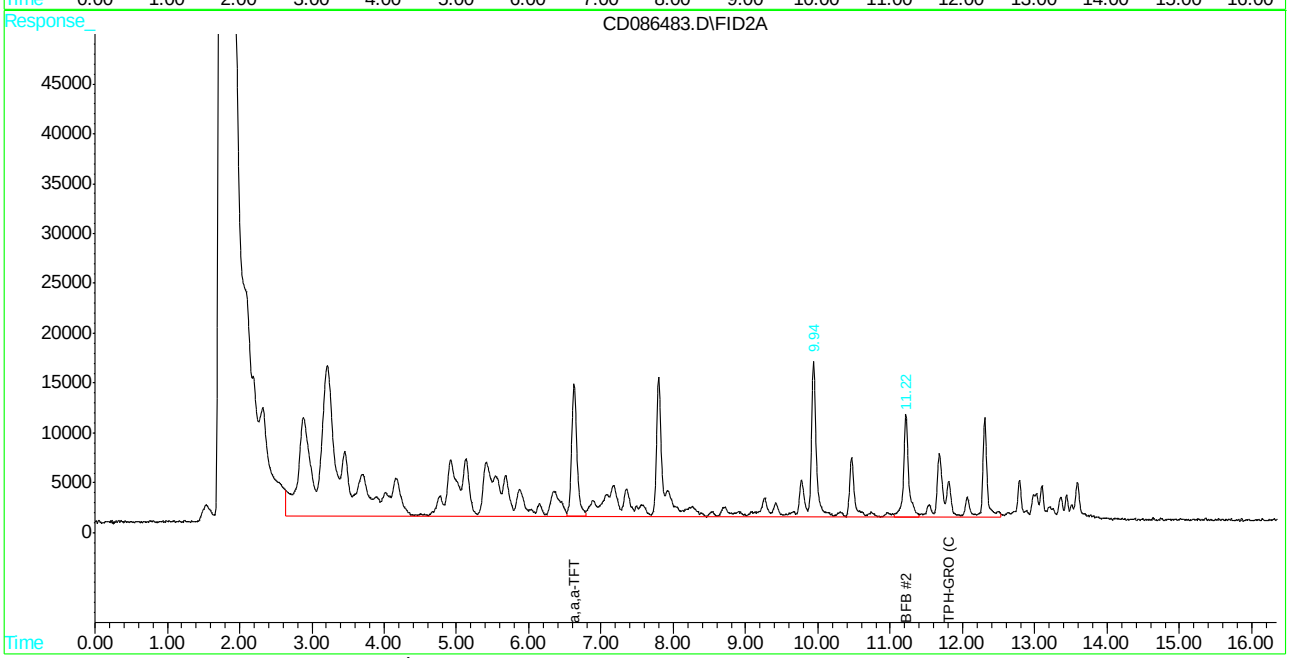
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\CD086483.D\FID1B.CH Vial: 25
Signal #2 : C:\HPCHEM\1\DATA\121608\CD086483.D\FID2A.CH
Acq On : 16 Dec 2008 6:53 pm Operator: JuanG
Sample : f61975-4msd Inst : VOA2
Misc : gc9255,gcd3636,6.00,,100,5,1, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 17 10:05 2008 Quant Results File: 8015S-CD.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-CD.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Dec 03 09:01:46 2008
Response via : Multiple Level Calibration
DataAcq Meth : GRO.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\QR045285.D\FID1B.CH Vial: 22
Signal #2 : C:\HPCHEM\1\DATA\121608\QR045285.D\FID2A.CH
Acq On : 16 Dec 2008 9:15 pm Operator: ArielH
Sample : f61976-2ms,200x Inst : VOA3
Misc : gc9251,gqr1968,5.17,,25,5.0,,soil Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 17 9:19 2008 Quant Results File: 8015S-QR.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-QR.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 15:28:06 2008
Response via : Initial Calibration
DataAcq Meth : GRO-QR.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-TFT	7.87	16231	21.384 ug/Kg
Spiked Amount 20.000	Range 61 - 121	Recovery = 106.92%	
2) S BFB	11.65	38469	21.133 ug/Kg
Spiked Amount 20.000	Range 56 - 136	Recovery = 105.66%	
4) S a,a,a-TFT #2	7.87	497780	22.398 ug/Kg
Spiked Amount 20.000	Range 61 - 121	Recovery = 111.99%	
5) S BFB #2	11.65	200770	23.048 ug/Kg
Spiked Amount 20.000	Range 56 - 136	Recovery = 115.24%	
Target Compounds			
6) H TPH-GRO (C6-C10)	11.92	14189630	858.413 ug/Kg

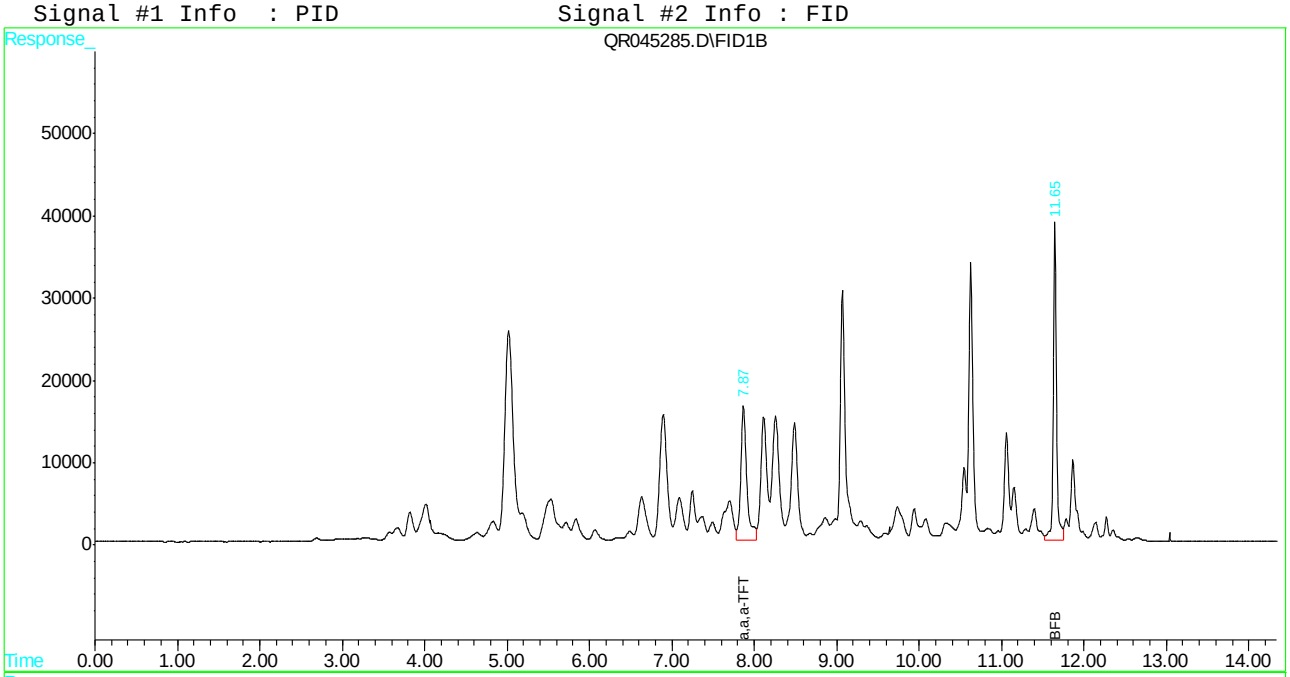
(f)=RT Delta > 1/2 Window (m)=manual int.
QR045285.D 8015S-QR.M Wed Dec 17 09:21:38 2008 Page 1

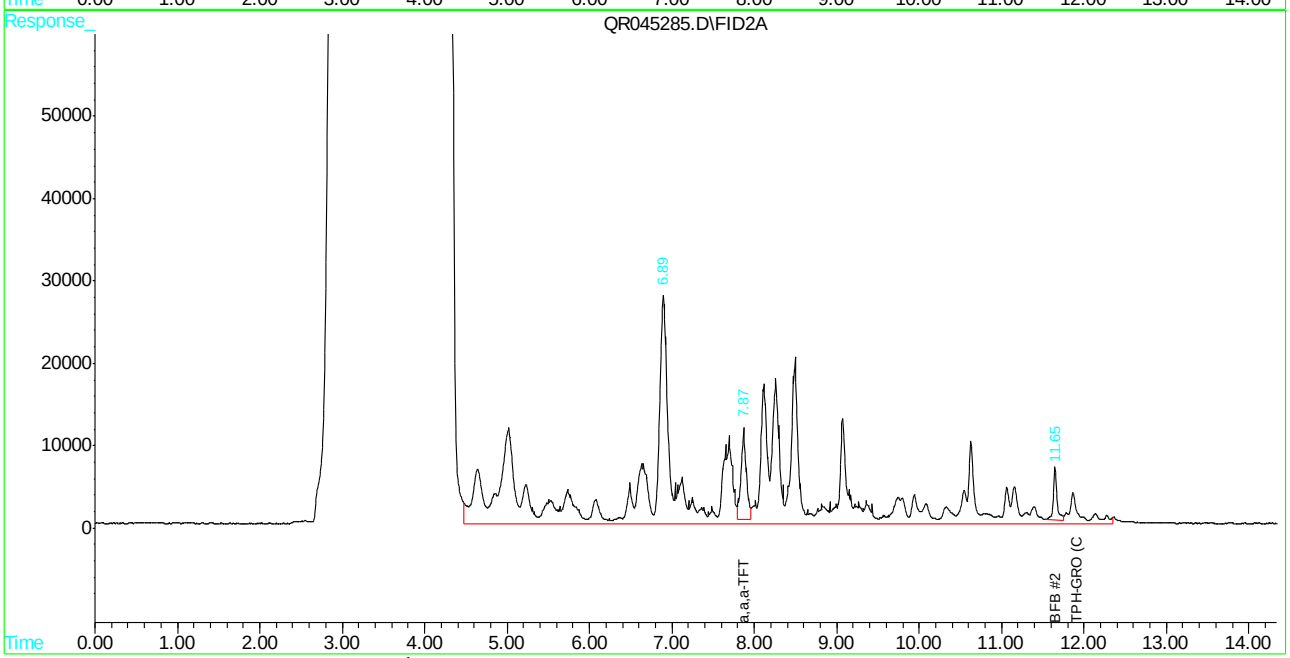
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\QR045285.D\FID1B.CH Vial: 22
Signal #2 : C:\HPCHEM\1\DATA\121608\QR045285.D\FID2A.CH
Acq On : 16 Dec 2008 9:15 pm Operator: ArielH
Sample : f61976-2ms,200x Inst : VOA3
Misc : gc9251,gqr1968,5.17,,25,5.0,,soil Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 17 9:19 2008 Quant Results File: 8015S-QR.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-QR.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 15:28:06 2008
Response via : Multiple Level Calibration
DataAcq Meth : GRO-QR.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\QR045286.D\FID1B.CH Vial: 23
Signal #2 : C:\HPCHEM\1\DATA\121608\QR045286.D\FID2A.CH
Acq On : 16 Dec 2008 9:42 pm Operator: ArielH
Sample : f61976-2msd,200x Inst : VOA3
Misc : gc9251,gqr1968,5.17,,25,5.0,,soil Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 17 9:18 2008 Quant Results File: 8015S-QR.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-QR.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 15:28:06 2008
Response via : Initial Calibration
DataAcq Meth : GRO-QR.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-TFT	7.87	15965	21.034 ug/Kg
Spiked Amount 20.000	Range 61 - 121	Recovery = 105.17%	
2) S BFB	11.65	37532	20.618 ug/Kg
Spiked Amount 20.000	Range 56 - 136	Recovery = 103.09%	
4) S a,a,a-TFT #2	7.87	507268	22.825 ug/Kg
Spiked Amount 20.000	Range 61 - 121	Recovery = 114.12%	
5) S BFB #2	11.65	204510	23.477 ug/Kg
Spiked Amount 20.000	Range 56 - 136	Recovery = 117.39%	
Target Compounds			
6) H TPH-GRO (C6-C10)	11.92	13456875	810.911 ug/Kg

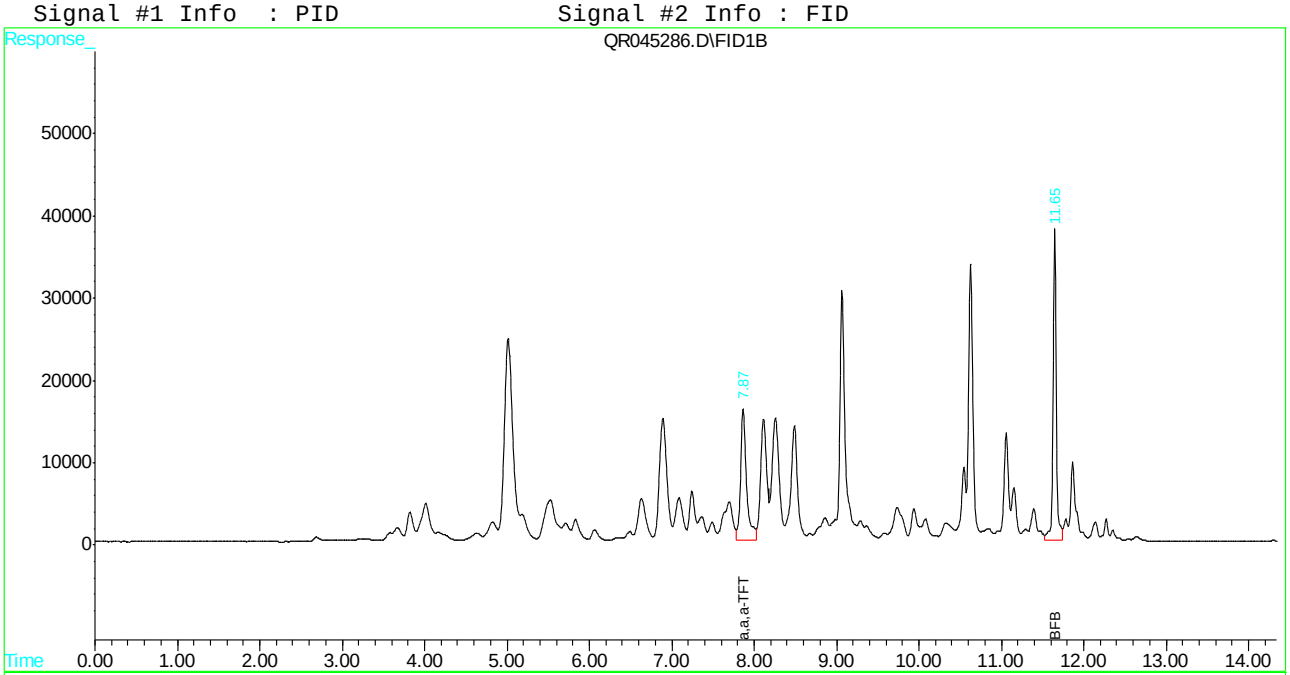
(f)=RT Delta > 1/2 Window (m)=manual int.
QR045286.D 8015S-QR.M Wed Dec 17 09:21:41 2008 Page 1

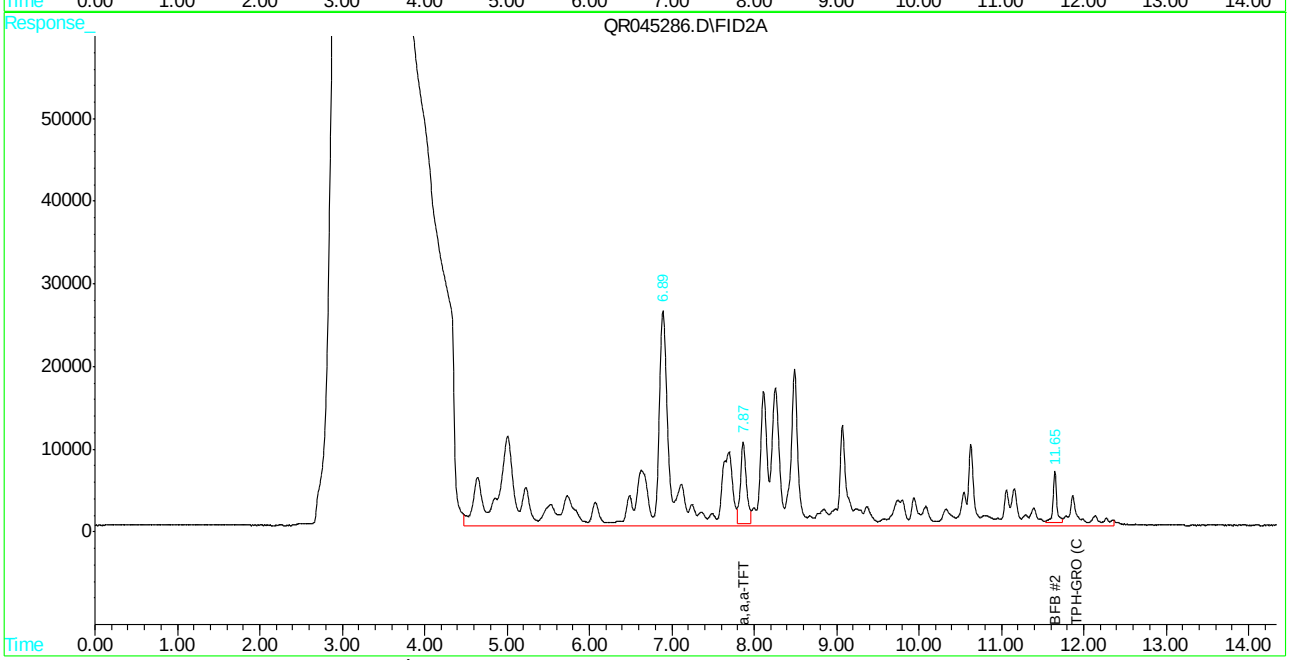
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\QR045286.D\FID1B.CH Vial: 23
Signal #2 : C:\HPCHEM\1\DATA\121608\QR045286.D\FID2A.CH
Acq On : 16 Dec 2008 9:42 pm Operator: ArielH
Sample : f61976-2msd,200x Inst : VOA3
Misc : gc9251,gqr1968,5.17,,25,5.0,,soil Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 17 9:18 2008 Quant Results File: 8015S-QR.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-QR.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 15:28:06 2008
Response via : Multiple Level Calibration
DataAcq Meth : GRO-QR.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\112608\CD085992.D\FID1B.CH Vial: 2
Signal #2 : C:\HPCHEM\1\DATA\112608\CD085992.D\FID2A.CH
Acq On : 26 Nov 2008 11:12 am Operator: JuanG
Sample : ic3620-1 Inst : VOA2
Misc : gc9208,gcd3620,5.00,,100,5,1, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Nov 28 9:00 2008 Quant Results File: 8015S-CD.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-CD.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 13:44:46 2008
Response via : Initial Calibration
DataAcq Meth : GRO.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-TFT	6.60	2414	20.192
Spiked Amount 20.000	Range 61 - 121	Recovery = 100.96%	
2) S BFB	11.19	6162	19.214
Spiked Amount 20.000	Range 56 - 136	Recovery = 96.07%	
4) S a,a,a-TFT #2	6.60	640554	17.130
Spiked Amount 20.000	Range 61 - 121	Recovery = 85.65%	
5) S BFB #2	11.19	431164	17.403
Spiked Amount 20.000	Range 56 - 136	Recovery = 87.02%	
Target Compounds			
6) H TPH-GRO (C6-C10)	11.80	4565836	110.820 ug/kg

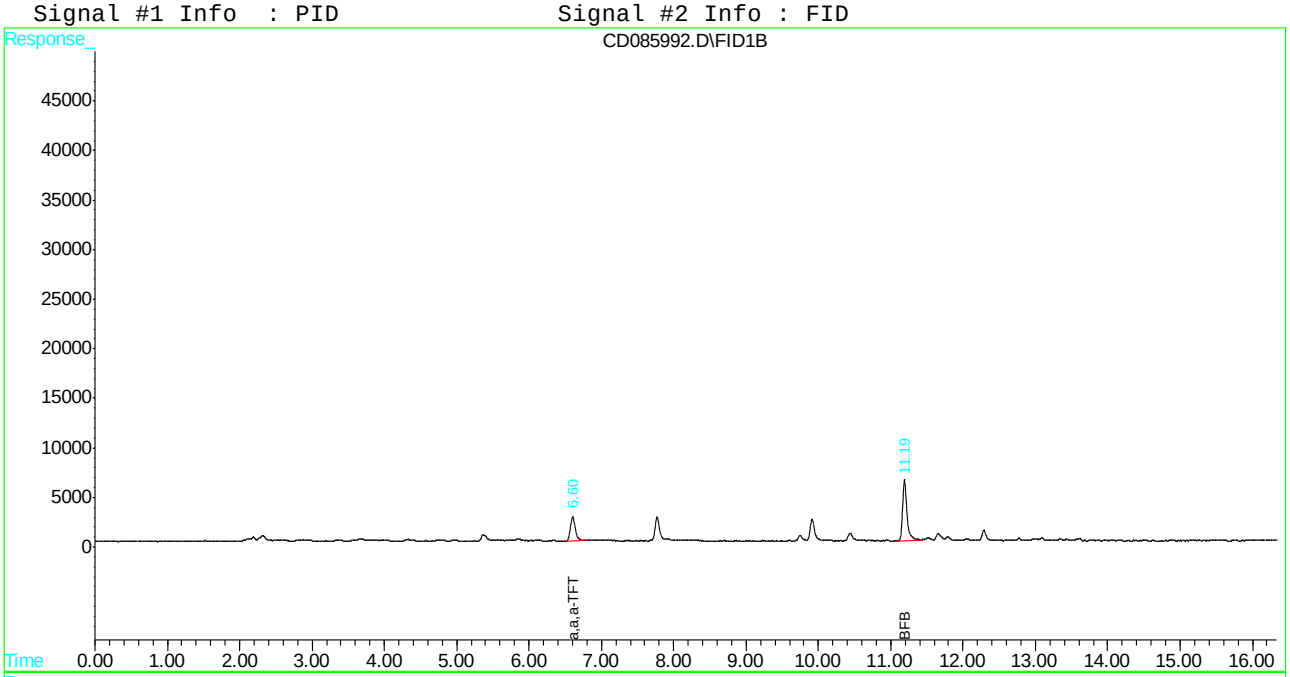
(f)=RT Delta > 1/2 Window (m)=manual int.
CD085992.D 8015S-CD.M Fri Nov 28 13:34:52 2008 Page 1

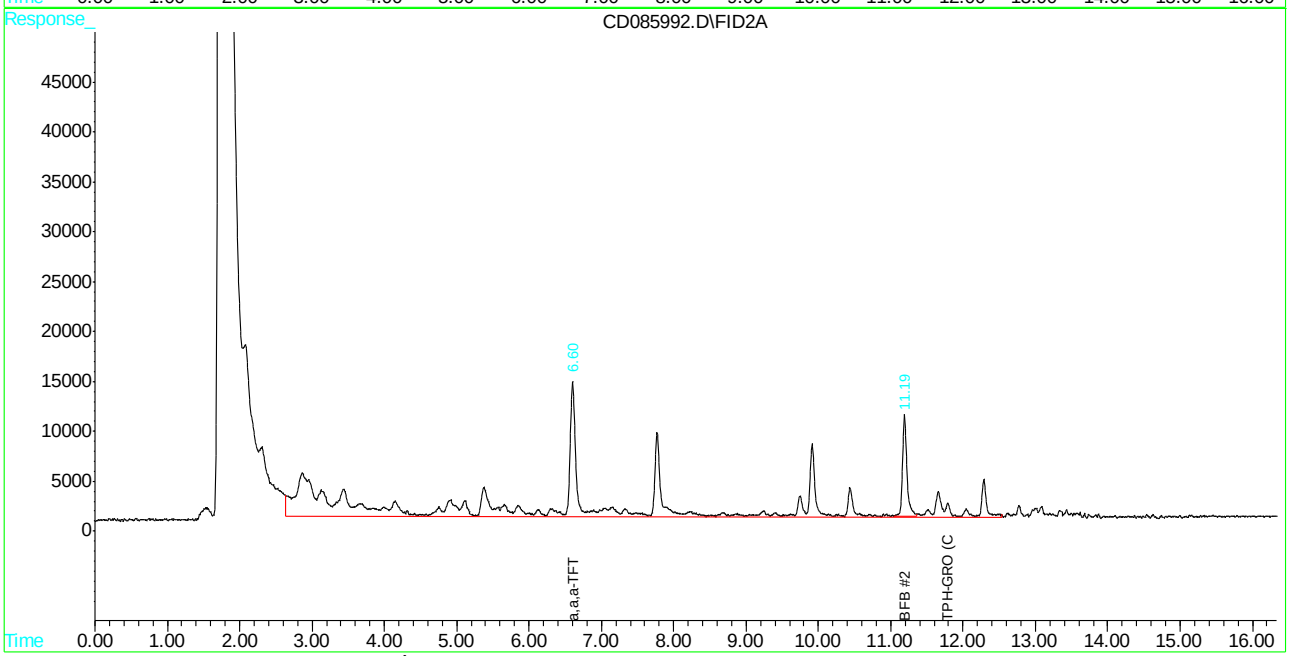
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\112608\CD085992.D\FID1B.CH Vial: 2
Signal #2 : C:\HPCHEM\1\DATA\112608\CD085992.D\FID2A.CH
Acq On : 26 Nov 2008 11:12 am Operator: JuanG
Sample : ic3620-1 Inst : VOA2
Misc : gc9208,gcd3620,5.00,,100,5,1, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Nov 28 9:00 2008 Quant Results File: 8015S-CD.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-CD.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 13:44:46 2008
Response via : Multiple Level Calibration
DataAcq Meth : GRO.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\112608\CD085993.D\FID1B.CH Vial: 3
Signal #2 : C:\HPCHEM\1\DATA\112608\CD085993.D\FID2A.CH
Acq On : 26 Nov 2008 11:37 am Operator: JuanG
Sample : ic3620-2 Inst : VOA2
Misc : gc9208,gcd3620,5.00,,100,5,1, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Nov 28 9:00 2008 Quant Results File: 8015S-CD.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-CD.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 13:44:46 2008
Response via : Initial Calibration
DataAcq Meth : GRO.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-TFT	6.61	2421	20.253
Spiked Amount 20.000	Range 61 - 121	Recovery = 101.27%	
2) S BFB	11.20	6250	19.489
Spiked Amount 20.000	Range 56 - 136	Recovery = 97.45%	
4) S a,a,a-TFT #2	6.61	676300	18.086
Spiked Amount 20.000	Range 61 - 121	Recovery = 90.43%	
5) S BFB #2	11.20	449500	18.143
Spiked Amount 20.000	Range 56 - 136	Recovery = 90.72%	
Target Compounds			
6) H TPH-GRO (C6-C10)	11.80	7013411	195.105 ug/kg

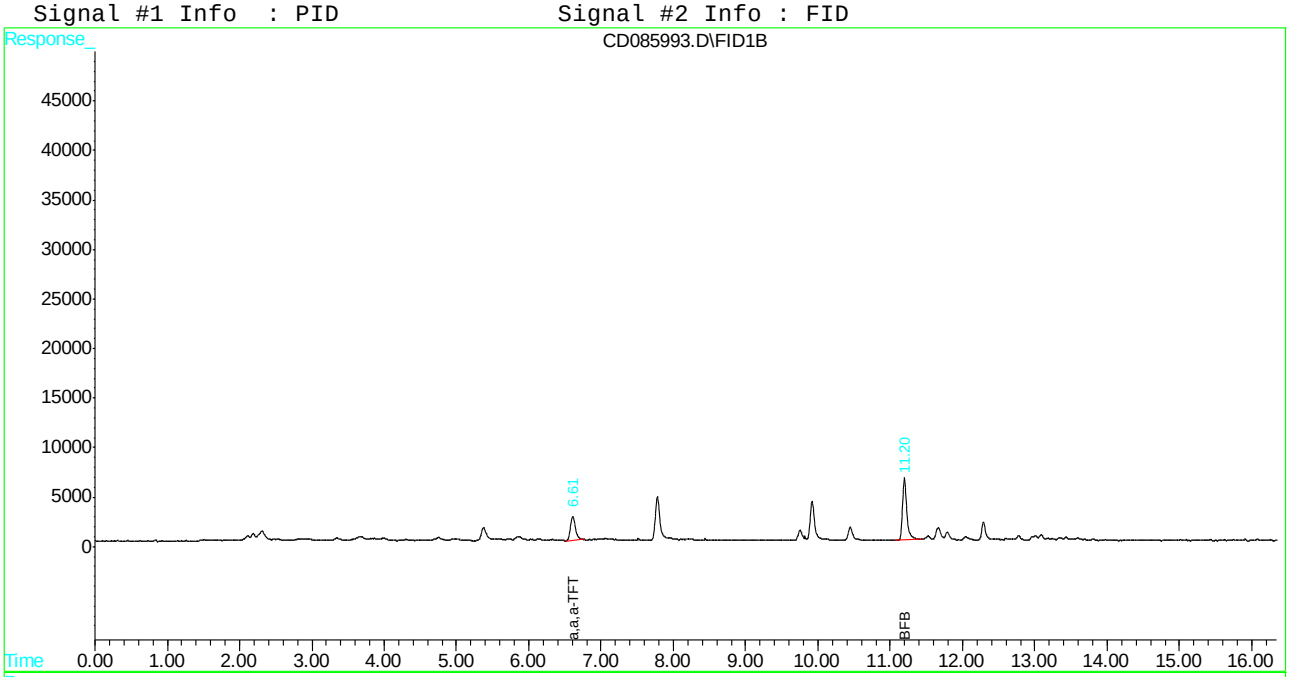
(f)=RT Delta > 1/2 Window (m)=manual int.
CD085993.D 8015S-CD.M Fri Nov 28 13:34:57 2008 Page 1

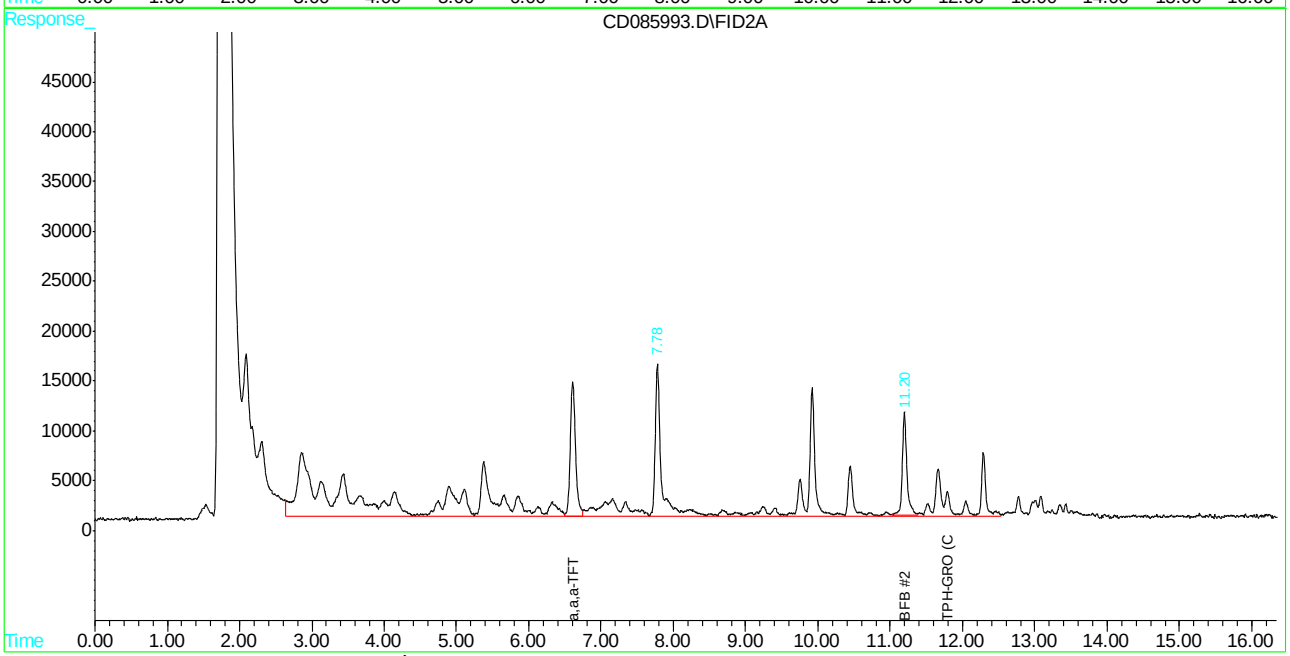
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\112608\CD085993.D\FID1B.CH Vial: 3
Signal #2 : C:\HPCHEM\1\DATA\112608\CD085993.D\FID2A.CH
Acq On : 26 Nov 2008 11:37 am Operator: JuanG
Sample : ic3620-2 Inst : VOA2
Misc : gc9208,gcd3620,5.00,,100,5,1, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Nov 28 9:00 2008 Quant Results File: 8015S-CD.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-CD.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 13:44:46 2008
Response via : Multiple Level Calibration
DataAcq Meth : GRO.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\112608\CD085994.D\FID1B.CH Vial: 4
Signal #2 : C:\HPCHEM\1\DATA\112608\CD085994.D\FID2A.CH
Acq On : 26 Nov 2008 12:01 pm Operator: JuanG
Sample : ic3620-3 Inst : VOA2
Misc : gc9208,gcd3620,5.00,,100,5,1, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Nov 28 9:00 2008 Quant Results File: 8015S-CD.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-CD.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 13:44:46 2008
Response via : Initial Calibration
DataAcq Meth : GRO.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-TFT	6.61	2390	19.987
Spiked Amount 20.000	Range 61 - 121	Recovery = 99.94%	
2) S BFB	11.20	6376	19.882
Spiked Amount 20.000	Range 56 - 136	Recovery = 99.41%	
4) S a,a,a-TFT #2	6.61	695679	18.605
Spiked Amount 20.000	Range 61 - 121	Recovery = 93.03%	
5) S BFB #2	11.20	528049	21.314
Spiked Amount 20.000	Range 56 - 136	Recovery = 106.57%	
Target Compounds			
6) H TPH-GRO (C6-C10)	11.80	12921092	398.543 ug/kg

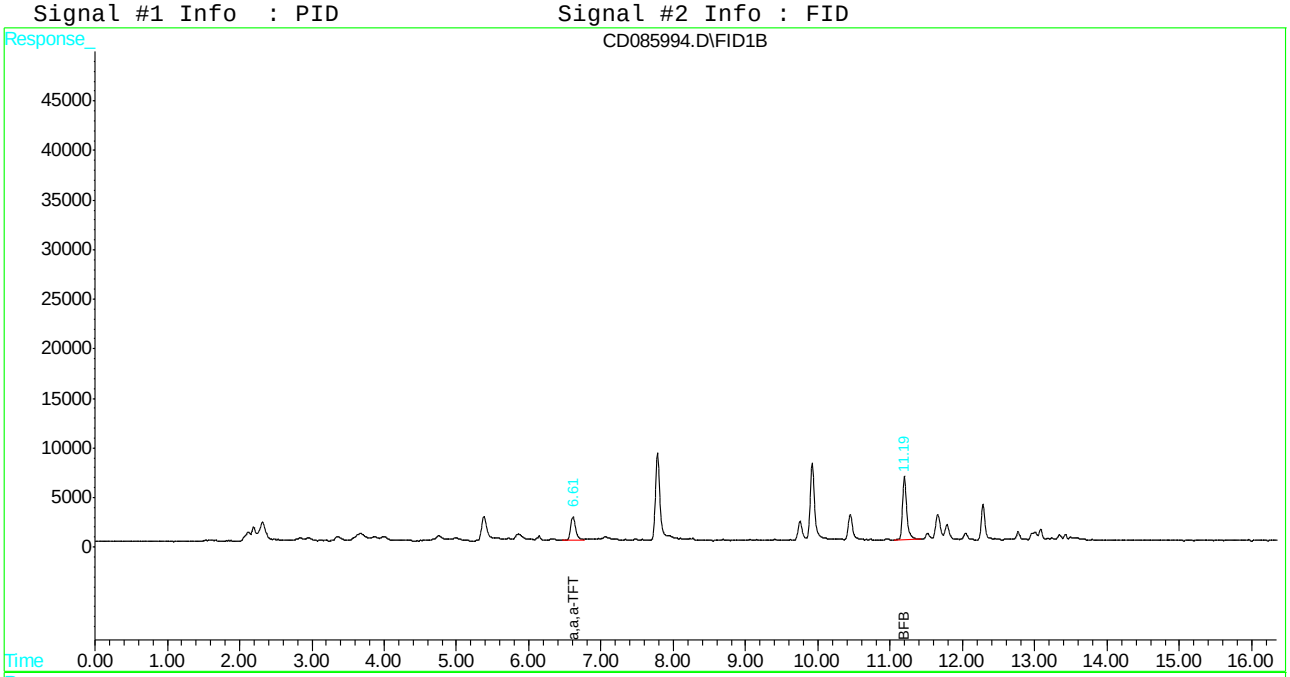
(f)=RT Delta > 1/2 Window (m)=manual int.
CD085994.D 8015S-CD.M Fri Nov 28 13:35:03 2008 Page 1

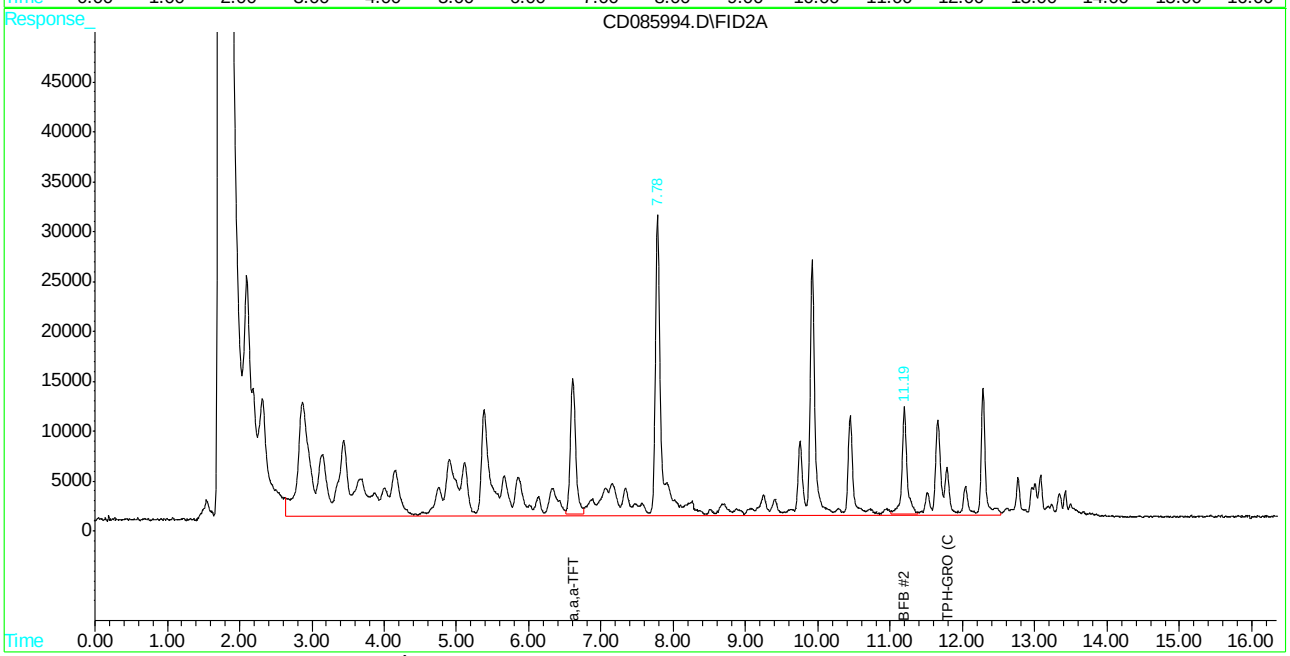
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\112608\CD085994.D\FID1B.CH Vial: 4
Signal #2 : C:\HPCHEM\1\DATA\112608\CD085994.D\FID2A.CH
Acq On : 26 Nov 2008 12:01 pm Operator: JuanG
Sample : ic3620-3 Inst : VOA2
Misc : gc9208,gcd3620,5.00,,100,5,1, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Nov 28 9:00 2008 Quant Results File: 8015S-CD.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-CD.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 13:44:46 2008
Response via : Multiple Level Calibration
DataAcq Meth : GRO.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID





Manual Integrations APPROVED (compounds with "m" flag)
Rick Watkins 12/01/08 12:59

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\112608\CD085995.D\FID1B.CH Vial: 5
Signal #2 : C:\HPCHEM\1\DATA\112608\CD085995.D\FID2A.CH
Acq On : 26 Nov 2008 12:26 pm Operator: JuanG
Sample : icc3620-4 Inst : VOA2
Misc : gc9208,gcd3620,5.00,,100,5,1, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Nov 28 9:42 2008 Quant Results File: 8015S-CD.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-CD.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 13:44:46 2008
Response via : Initial Calibration
DataAcq Meth : GRO.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S a,a,a-TFT	6.61	2385	19.946		
Spiked Amount 20.000	Range 61 - 121	Recovery = 99.73%			
2) S BFB	11.19	6628	20.667		
Spiked Amount 20.000	Range 56 - 136	Recovery = 103.33%			
4) S a,a,a-TFT #2	6.60	798480	21.354		
Spiked Amount 20.000	Range 61 - 121	Recovery = 106.77%			
5) S BFB #2	11.19	465980	18.809		m
Spiked Amount 20.000	Range 56 - 136	Recovery = 94.05%			
Target Compounds					
6) H TPH-GRO (C6-C10)	11.80	18662424	596.252	ug/kg	

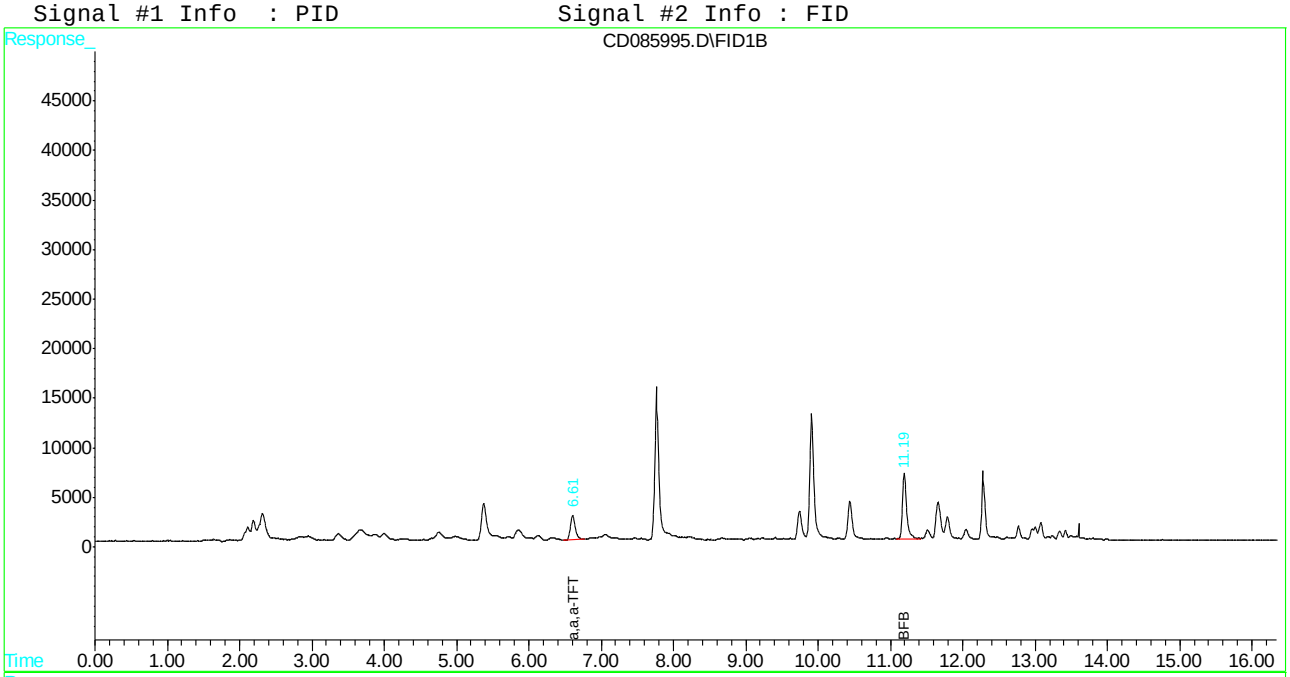
(f)=RT Delta > 1/2 Window (m)=manual int.
CD085995.D 8015S-CD.M Fri Nov 28 13:35:08 2008 Page 1

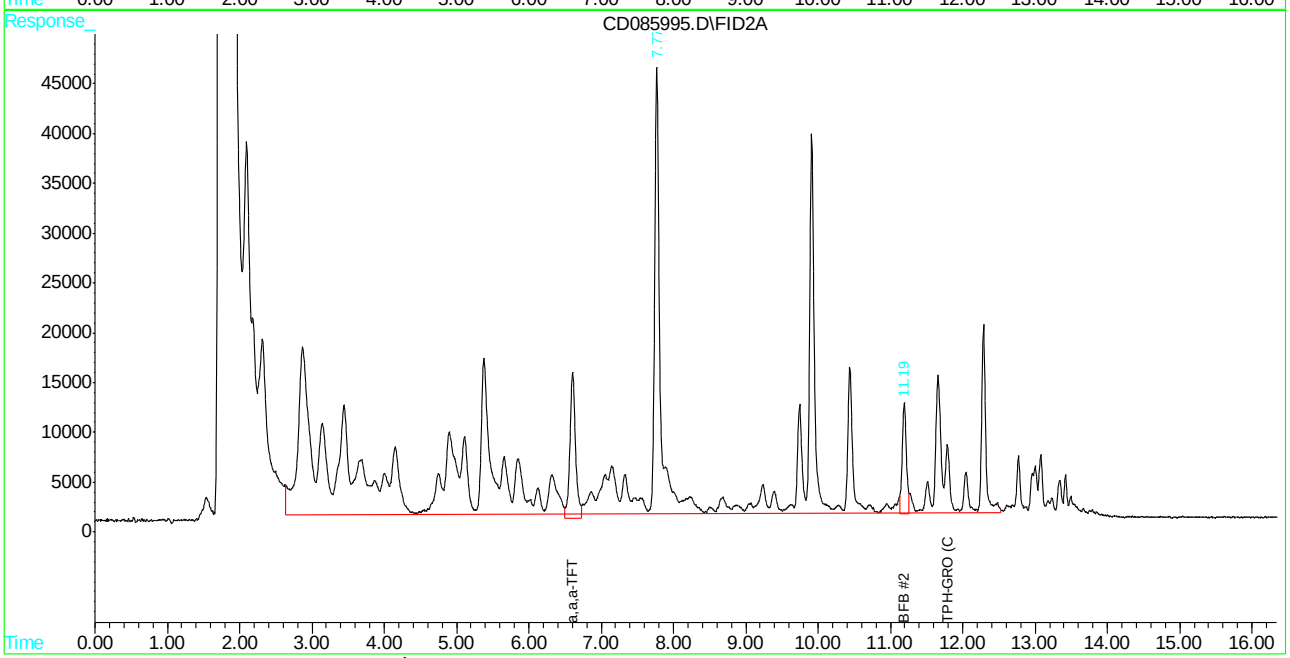
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\112608\CD085995.D\FID1B.CH Vial: 5
Signal #2 : C:\HPCHEM\1\DATA\112608\CD085995.D\FID2A.CH
Acq On : 26 Nov 2008 12:26 pm Operator: JuanG
Sample : icc3620-4 Inst : VOA2
Misc : gc9208,gcd3620,5.00,,100,5,1, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Nov 28 9:42 2008 Quant Results File: 8015S-CD.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-CD.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 13:44:46 2008
Response via : Multiple Level Calibration
DataAcq Meth : GRO.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID





Manual Integrations APPROVED (compounds with "m" flag)
Rick Watkins 12/01/08 12:59

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\112608\CD085996.D\FID1B.CH Vial: 6
Signal #2 : C:\HPCHEM\1\DATA\112608\CD085996.D\FID2A.CH
Acq On : 26 Nov 2008 12:50 pm Operator: JuanG
Sample : ic3620-5 Inst : VOA2
Misc : gc9208,gcd3620,5.00,,100,5,1, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Nov 28 9:42 2008 Quant Results File: 8015S-CD.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-CD.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 13:44:46 2008
Response via : Initial Calibration
DataAcq Meth : GRO.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S a,a,a-TFT	6.61	2350	19.656		
Spiked Amount 20.000	Range 61 - 121	Recovery = 98.28%			
2) S BFB	11.19	6493	20.246		
Spiked Amount 20.000	Range 56 - 136	Recovery = 101.23%			
4) S a,a,a-TFT #2	6.61	824651	22.054		
Spiked Amount 20.000	Range 61 - 121	Recovery = 110.27%			
5) S BFB #2	11.19	499053	20.143		m
Spiked Amount 20.000	Range 56 - 136	Recovery = 100.72%			
Target Compounds					
6) H TPH-GRO (C6-C10)	11.80	24199013	786.911	ug/kg	

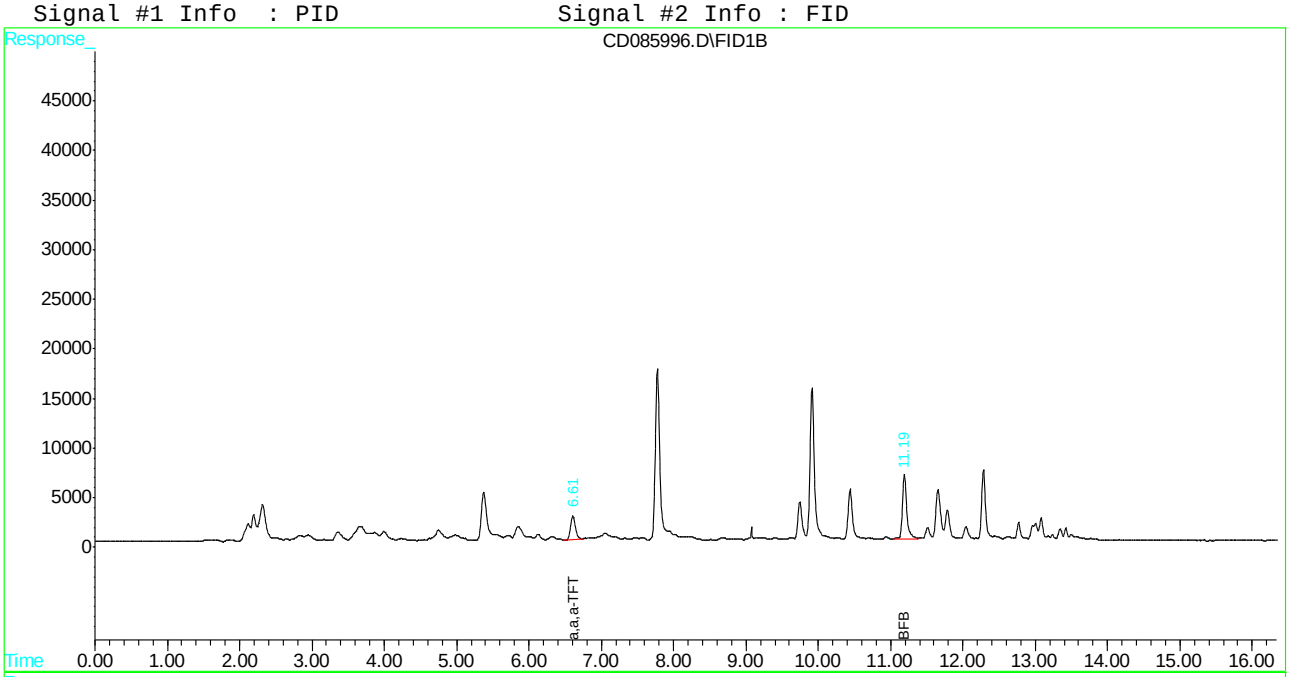
(f)=RT Delta > 1/2 Window (m)=manual int.
CD085996.D 8015S-CD.M Fri Nov 28 13:35:14 2008 Page 1

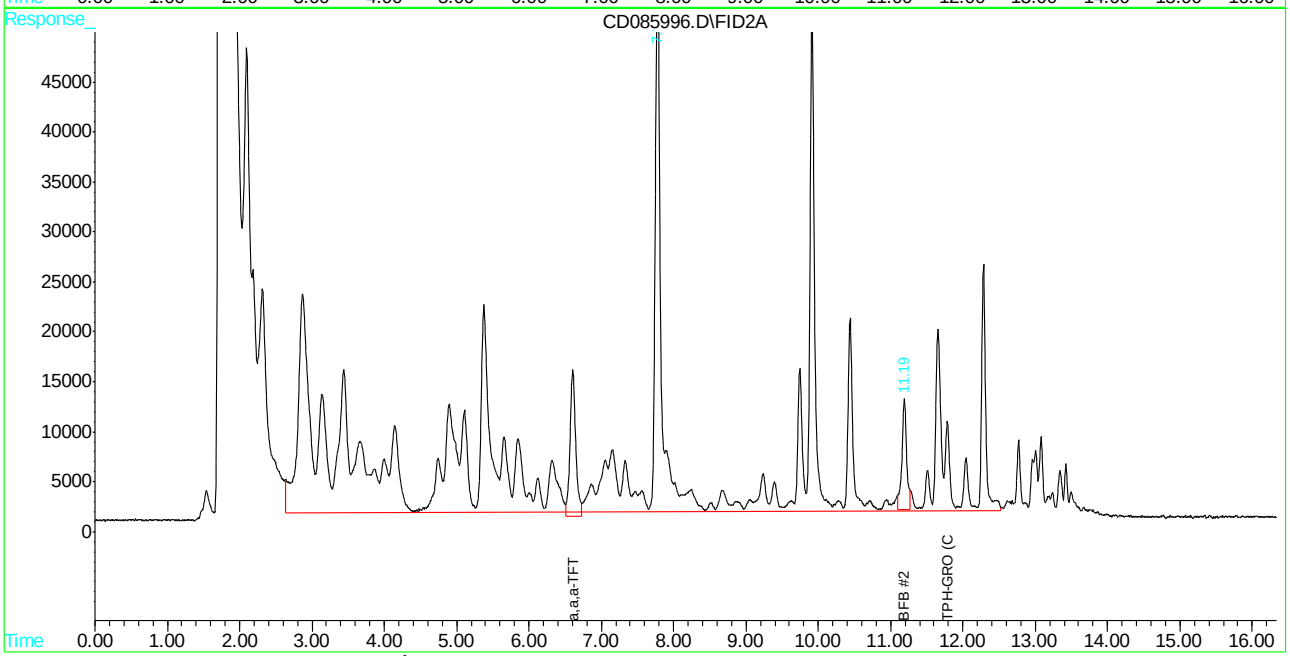
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\112608\CD085996.D\FID1B.CH Vial: 6
Signal #2 : C:\HPCHEM\1\DATA\112608\CD085996.D\FID2A.CH
Acq On : 26 Nov 2008 12:50 pm Operator: JuanG
Sample : ic3620-5 Inst : VOA2
Misc : gc9208,gcd3620,5.00,,100,5,1, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Nov 28 9:42 2008 Quant Results File: 8015S-CD.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-CD.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 13:44:46 2008
Response via : Multiple Level Calibration
DataAcq Meth : GRO.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID





ACCUTEST Laboratories F61975

Manual Integrations APPROVED (compounds with "m" flag)
Rick Watkins 12/01/08 12:59

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\112608\CD085997.D\FID1B.CH Vial: 7
Signal #2 : C:\HPCHEM\1\DATA\112608\CD085997.D\FID2A.CH
Acq On : 26 Nov 2008 1:14 pm Operator: JuanG
Sample : ic3620-6 Inst : VOA2
Misc : gc9208,gcd3620,5.00,,100,5,1, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Nov 28 9:43 2008 Quant Results File: 8015S-CD.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-CD.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 13:44:46 2008
Response via : Initial Calibration
DataAcq Meth : GRO.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S a,a,a-TFT	6.60	2387	19.966		
Spiked Amount 20.000	Range 61 - 121	Recovery = 99.83%			
2) S BFB	11.19	6574	20.501		
Spiked Amount 20.000	Range 56 - 136	Recovery = 102.51%			
4) S a,a,a-TFT #2	6.60	851472	22.771		
Spiked Amount 20.000	Range 61 - 121	Recovery = 113.85%			
5) S BFB #2	11.19	560017	22.604		m
Spiked Amount 20.000	Range 56 - 136	Recovery = 113.02%			
Target Compounds					
6) H TPH-GRO (C6-C10)	11.80	30775365	1013.375	ug/kg	

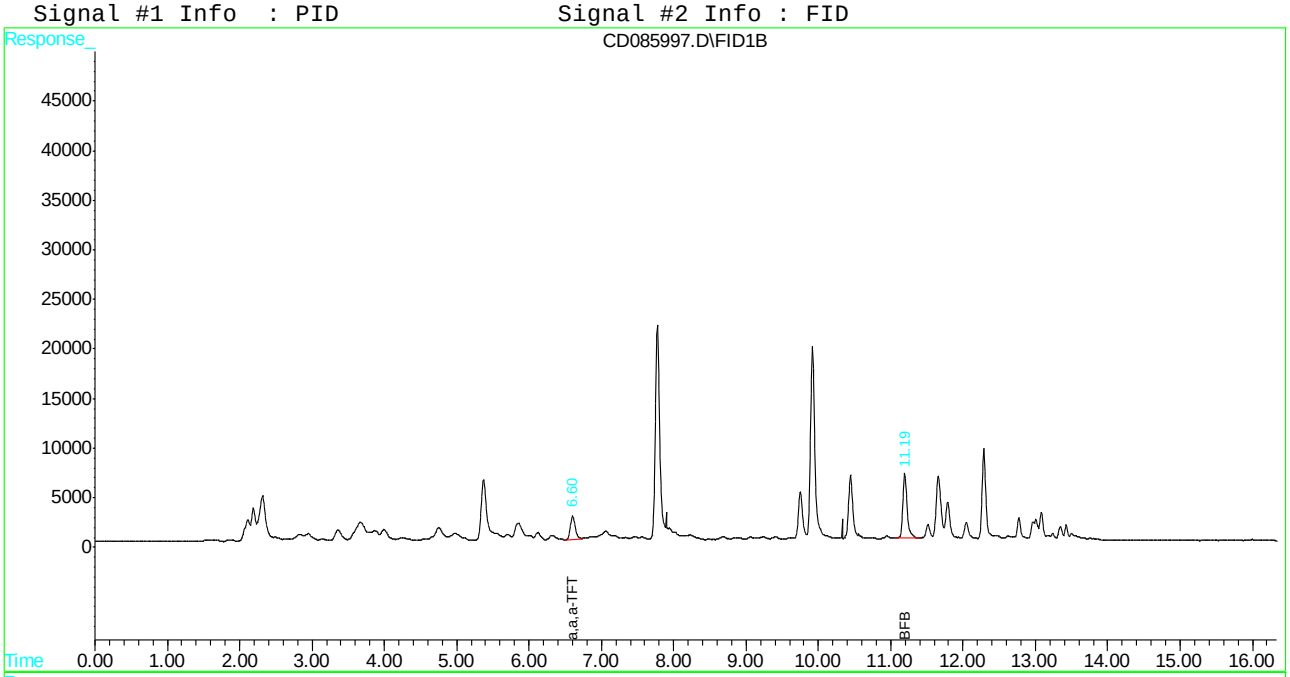
(f)=RT Delta > 1/2 Window (m)=manual int.
CD085997.D 8015S-CD.M Fri Nov 28 13:35:19 2008 Page 1

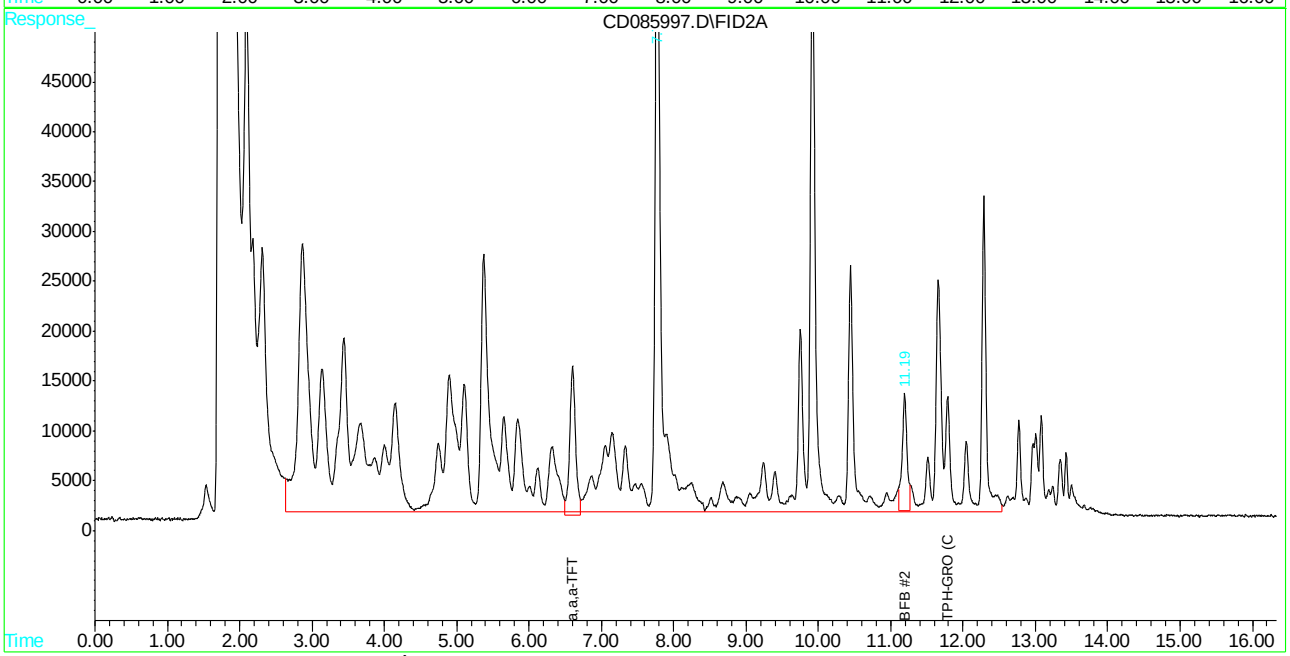
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\112608\CD085997.D\FID1B.CH Vial: 7
Signal #2 : C:\HPCHEM\1\DATA\112608\CD085997.D\FID2A.CH
Acq On : 26 Nov 2008 1:14 pm Operator: JuanG
Sample : ic3620-6 Inst : VOA2
Misc : gc9208,gcd3620,5.00,,100,5,1, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Nov 28 9:43 2008 Quant Results File: 8015S-CD.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-CD.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 13:44:46 2008
Response via : Multiple Level Calibration
DataAcq Meth : GRO.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID





8.5.6

8

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\112608\CD085998.D\FID1B.CH Vial: 8
Signal #2 : C:\HPCHEM\1\DATA\112608\CD085998.D\FID2A.CH
Acq On : 26 Nov 2008 1:39 pm Operator: JuanG
Sample : icv3620-3 Inst : VOA2
Misc : gc9208,gcd3620,5.00,,100,5,1, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Nov 28 9:45 2008 Quant Results File: 8015S-CD.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-CD.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Fri Nov 28 09:44:04 2008
Response via : Initial Calibration
DataAcq Meth : GRO.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-TFT	6.61	2391	20.003
Spiked Amount 20.000	Range 61 - 121	Recovery = 100.02%	
2) S BFB	11.20	6379	19.892
Spiked Amount 20.000	Range 56 - 136	Recovery = 99.46%	
4) S a,a,a-TFT #2	6.61	693183	18.538
Spiked Amount 20.000	Range 61 - 121	Recovery = 92.69%	
5) S BFB #2	11.20	486340	19.893
Spiked Amount 20.000	Range 56 - 136	Recovery = 99.47%	
Target Compounds			
6) H TPH-GRO (C6-C10)	11.80	11611381	353.181 ug/kg

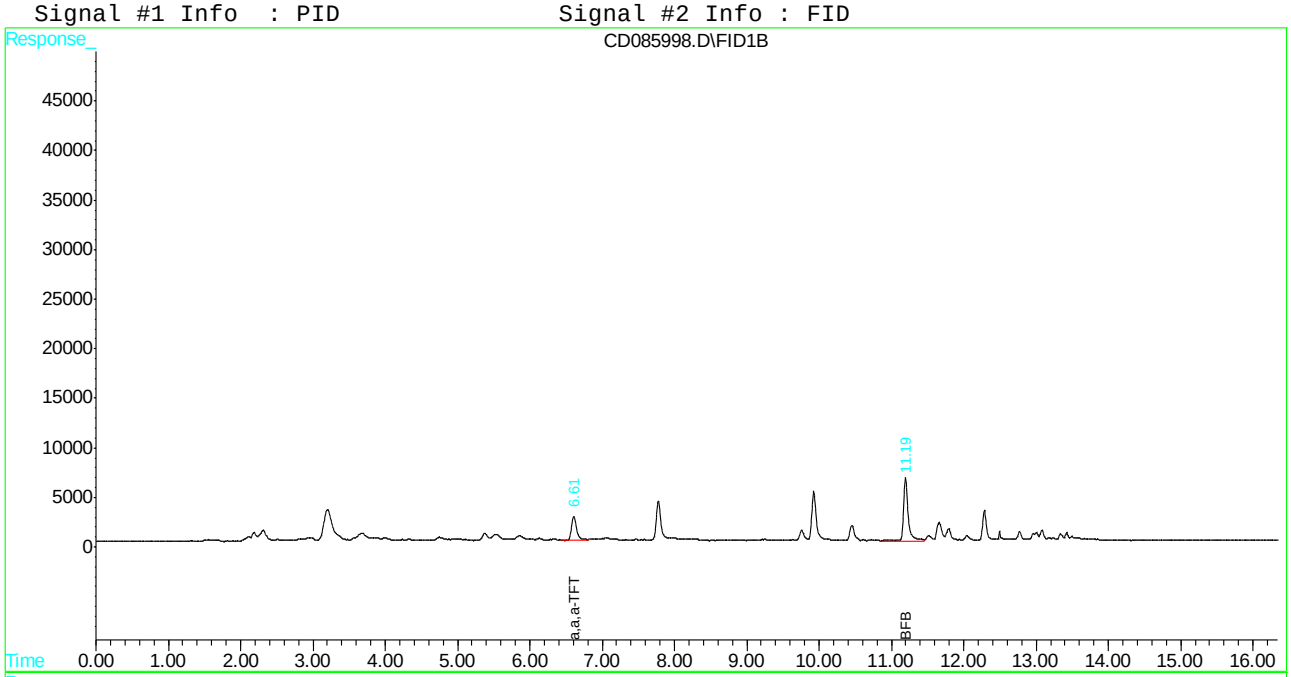
(f)=RT Delta > 1/2 Window (m)=manual int.
CD085998.D 8015S-CD.M Fri Nov 28 13:35:24 2008 Page 1

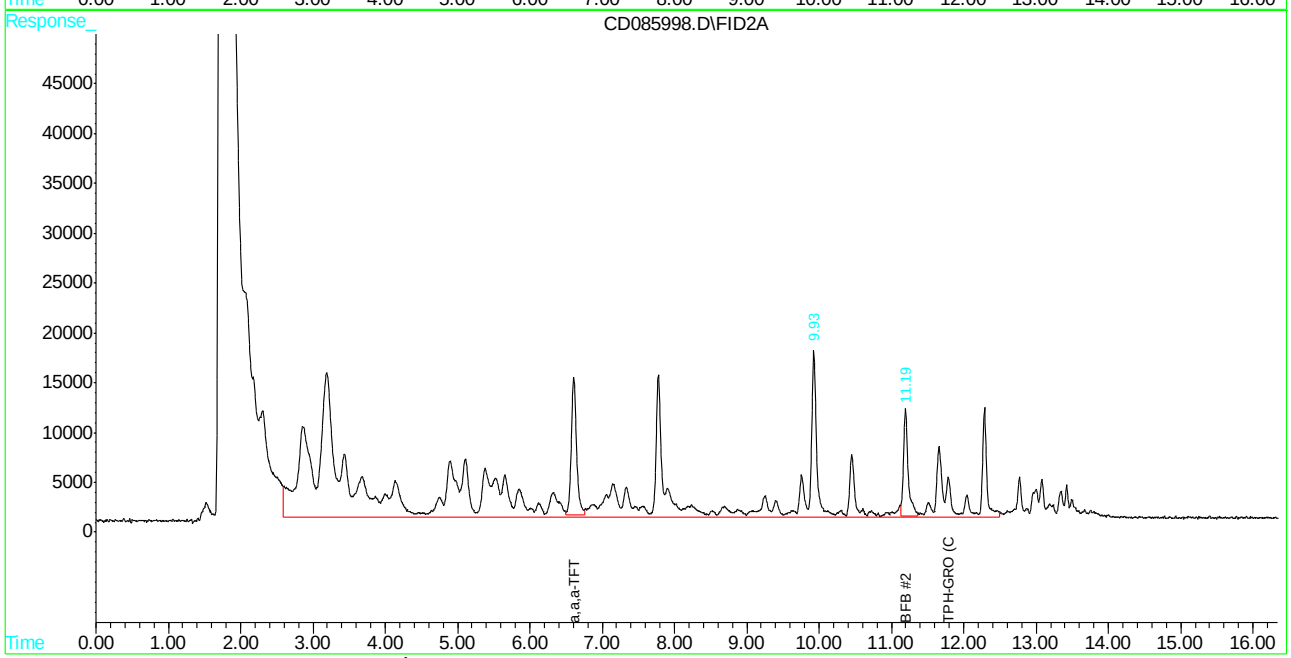
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\112608\CD085998.D\FID1B.CH Vial: 8
Signal #2 : C:\HPCHEM\1\DATA\112608\CD085998.D\FID2A.CH
Acq On : 26 Nov 2008 1:39 pm Operator: JuanG
Sample : icv3620-3 Inst : VOA2
Misc : gc9208,gcd3620,5.00,,100,5,1, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Nov 28 9:45 2008 Quant Results File: 8015S-CD.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-CD.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Fri Nov 28 09:44:04 2008
Response via : Multiple Level Calibration
DataAcq Meth : GRO.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID





ACCUTEST Laboratories F61975

Manual Integrations APPROVED (compounds with "m" flag)
Juan Garcia 12/18/08 10:22

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\CD086461.D\FID1B.CH Vial: 3
Signal #2 : C:\HPCHEM\1\DATA\121608\CD086461.D\FID2A.CH
Acq On : 16 Dec 2008 9:45 am Operator: JuanG
Sample : cc3620-3 Inst : VOA2
Misc : gc9242,gcd3636,5.00,,100,5,1, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 16 10:12 2008 Quant Results File: 8015S-CD.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-CD.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Dec 03 09:01:46 2008
Response via : Initial Calibration
DataAcq Meth : GRO.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S a,a,a-TFT	6.63	2034	17.013		m
Spiked Amount 20.000	Range 61 - 121	Recovery = 85.07%			
2) S BFB	11.21	5352	16.689		m
Spiked Amount 20.000	Range 56 - 136	Recovery = 83.45%			
4) S a,a,a-TFT #2	6.63	702582	18.789		
Spiked Amount 20.000	Range 61 - 121	Recovery = 93.95%			
5) S BFB #2	11.21	549208	22.464		
Spiked Amount 20.000	Range 56 - 136	Recovery = 112.32%			
Target Compounds					
6) H TPH-GRO (C6-C10)	11.80	12346129	378.497	ug/kg	

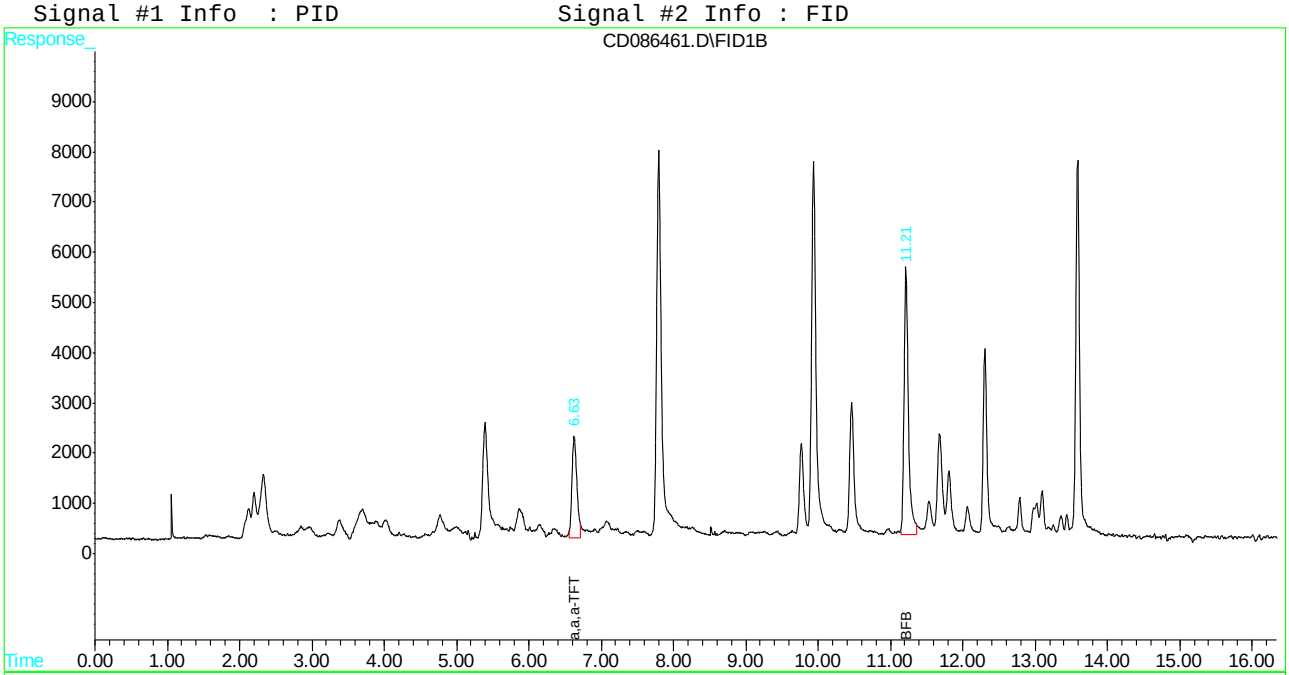
(f)=RT Delta > 1/2 Window (m)=manual int.
CD086461.D 8015S-CD.M Wed Dec 17 13:05:41 2008 Page 1

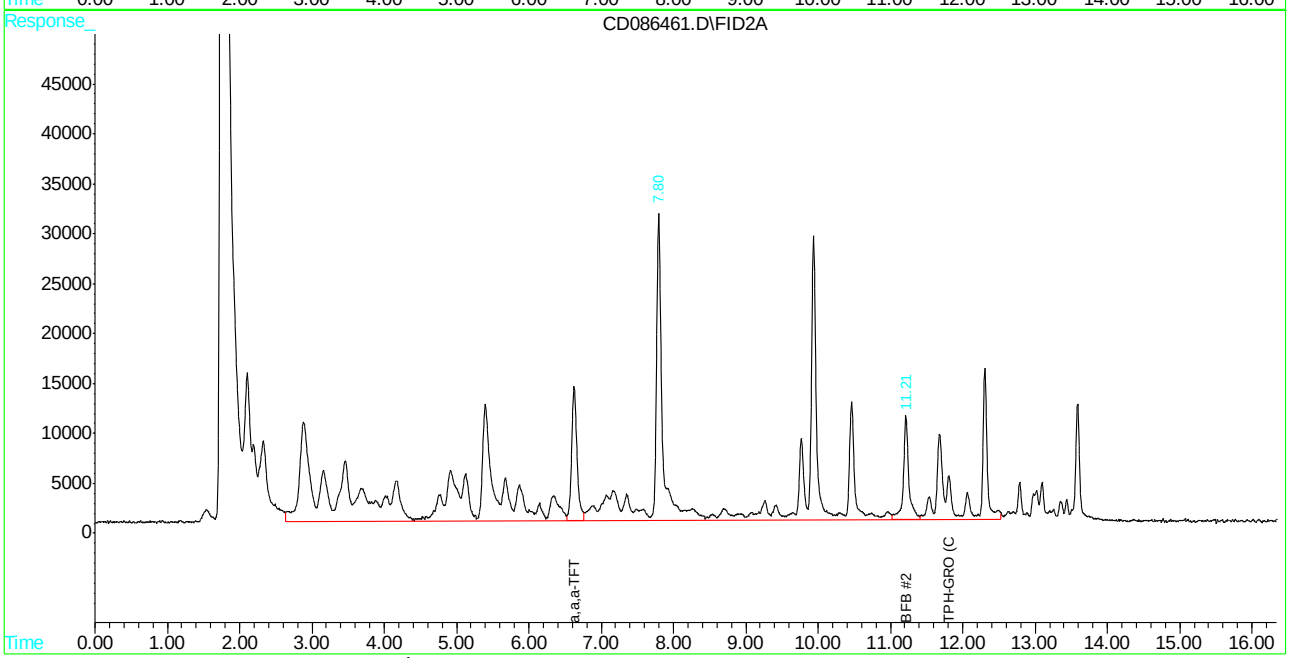
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\CD086461.D\FID1B.CH Vial: 3
Signal #2 : C:\HPCHEM\1\DATA\121608\CD086461.D\FID2A.CH
Acq On : 16 Dec 2008 9:45 am Operator: JuanG
Sample : cc3620-3 Inst : VOA2
Misc : gc9242,gcd3636,5.00,,100,5,1, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 16 10:12 2008 Quant Results File: 8015S-CD.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-CD.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Dec 03 09:01:46 2008
Response via : Multiple Level Calibration
DataAcq Meth : GRO.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID





ACCUTEST Laboratories F61975

Manual Integrations APPROVED (compounds with "m" flag)
Juan Garcia 12/18/08 10:22

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\CD086472.D\FID1B.CH Vial: 14
Signal #2 : C:\HPCHEM\1\DATA\121608\CD086472.D\FID2A.CH
Acq On : 16 Dec 2008 2:20 pm Operator: JuanG
Sample : cc3620-3 Inst : VOA2
Misc : gc9269,gcd3636,5.00,,100,5,1, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 16 14:42 2008 Quant Results File: 8015S-CD.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-CD.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Dec 03 09:01:46 2008
Response via : Initial Calibration
DataAcq Meth : GRO.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S a,a,a-TFT	6.64	2032	16.996		m
Spiked Amount 20.000	Range 61 - 121	Recovery = 84.98%			
2) S BFB	11.22	5476	17.077		
Spiked Amount 20.000	Range 56 - 136	Recovery = 85.39%			
4) S a,a,a-TFT #2	6.63	735456	19.668		
Spiked Amount 20.000	Range 61 - 121	Recovery = 98.34%			
5) S BFB #2	11.22	532686	21.788		
Spiked Amount 20.000	Range 56 - 136	Recovery = 108.94%			
Target Compounds					
6) H TPH-GRO (C6-C10)	11.80	12399431	380.334	ug/kg	

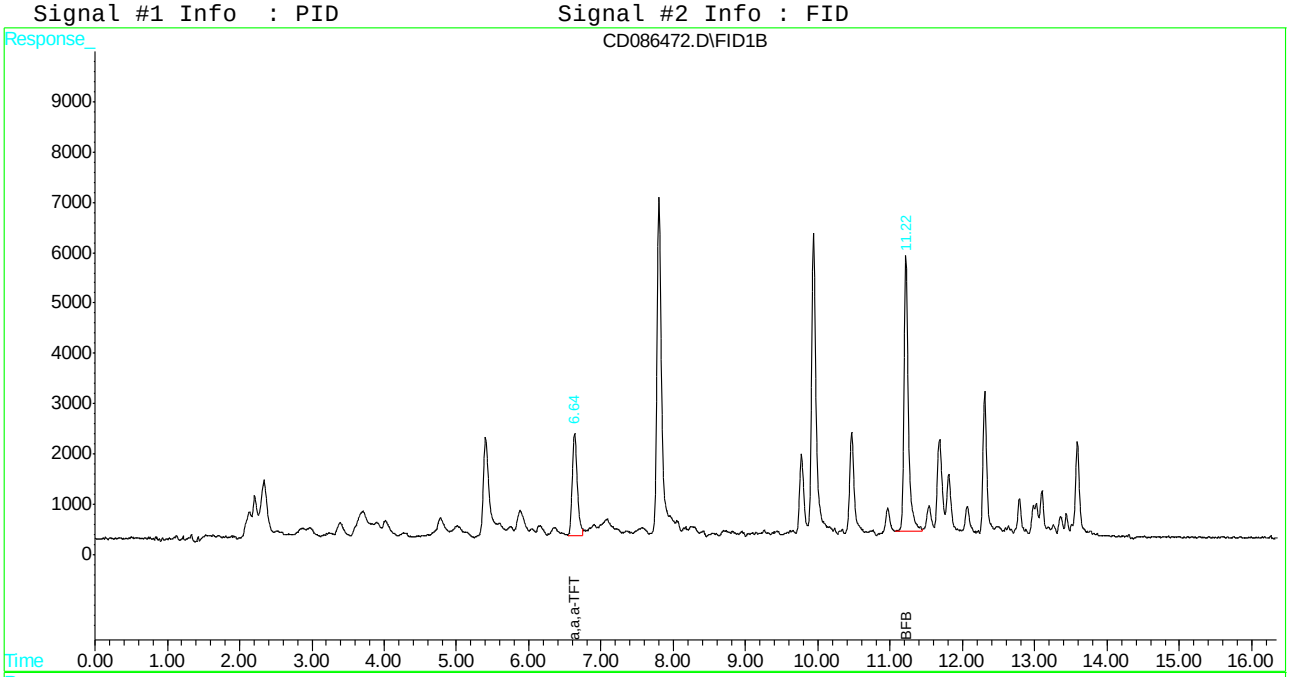
(f)=RT Delta > 1/2 Window (m)=manual int.
CD086472.D 8015S-CD.M Wed Dec 17 13:06:23 2008 Page 1

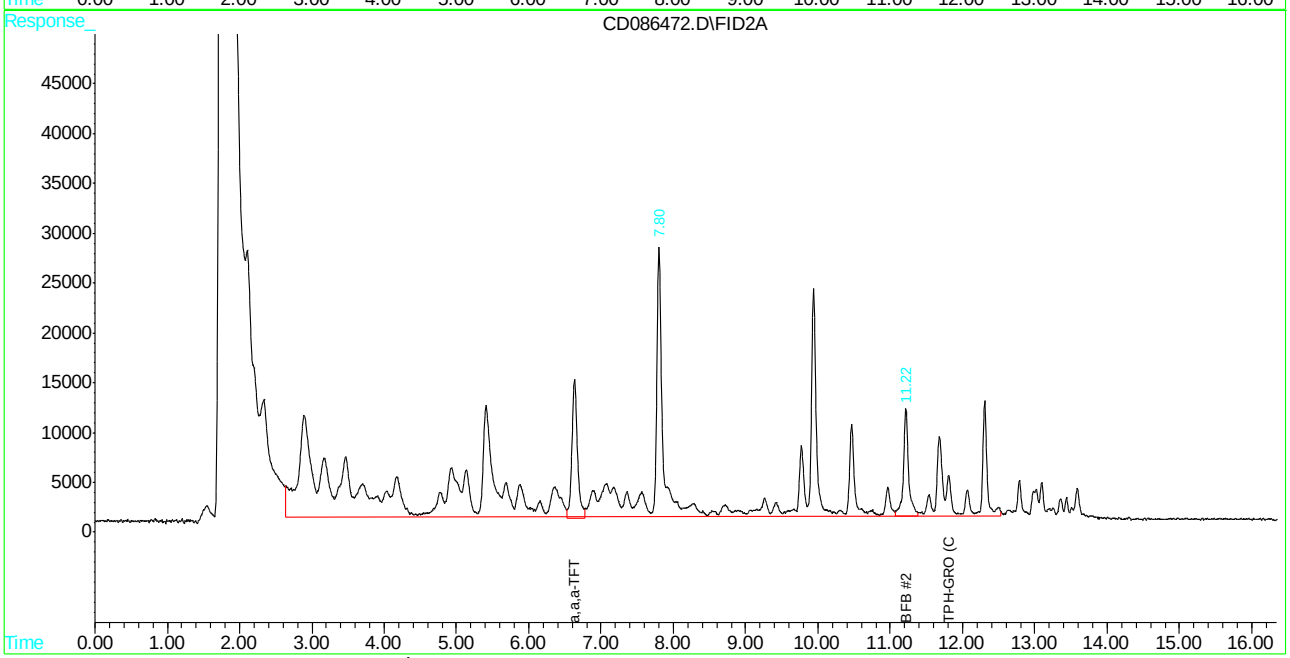
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\CD086472.D\FID1B.CH Vial: 14
Signal #2 : C:\HPCHEM\1\DATA\121608\CD086472.D\FID2A.CH
Acq On : 16 Dec 2008 2:20 pm Operator: JuanG
Sample : cc3620-3 Inst : VOA2
Misc : gc9269,gcd3636,5.00,,100,5,1, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 16 14:42 2008 Quant Results File: 8015S-CD.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-CD.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Dec 03 09:01:46 2008
Response via : Multiple Level Calibration
DataAcq Meth : GRO.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID





ACCUTEST Laboratories F61975

Manual Integrations APPROVED (compounds with "m" flag)
Juan Garcia 12/18/08 10:22

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\CD086485.D\FID1B.CH Vial: 27
Signal #2 : C:\HPCHEM\1\DATA\121608\CD086485.D\FID2A.CH
Acq On : 16 Dec 2008 7:42 pm Operator: JuanG
Sample : ecc3620-4 Inst : VOA2
Misc : gc9255,gcd3636,5.00,,100,5,1, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 17 10:07 2008 Quant Results File: 8015S-CD.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-CD.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Dec 03 09:01:46 2008
Response via : Initial Calibration
DataAcq Meth : GRO.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S a,a,a-TFT	6.63	2031	16.988		m
Spiked Amount 20.000	Range 61 - 121	Recovery = 84.94%			
2) S BFB	11.22	5480	17.090		m
Spiked Amount 20.000	Range 56 - 136	Recovery = 85.45%			
4) S a,a,a-TFT #2	6.64	709860	18.984		
Spiked Amount 20.000	Range 61 - 121	Recovery = 94.92%			
5) S BFB #2	11.22	561486	22.967		
Spiked Amount 20.000	Range 56 - 136	Recovery = 114.83%			
Target Compounds					
6) H TPH-GRO (C6-C10)	11.80	17021639	539.595	ug/kg	

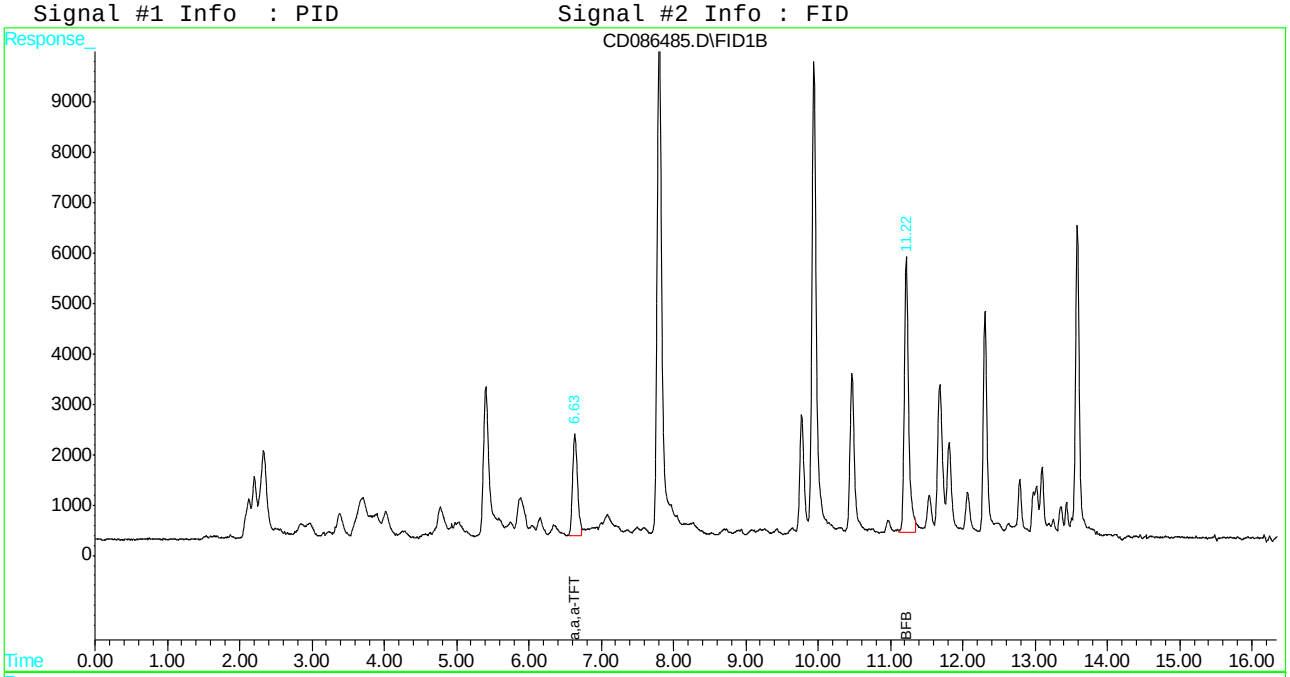
(f)=RT Delta > 1/2 Window (m)=manual int.
CD086485.D 8015S-CD.M Wed Dec 17 13:07:10 2008 Page 1

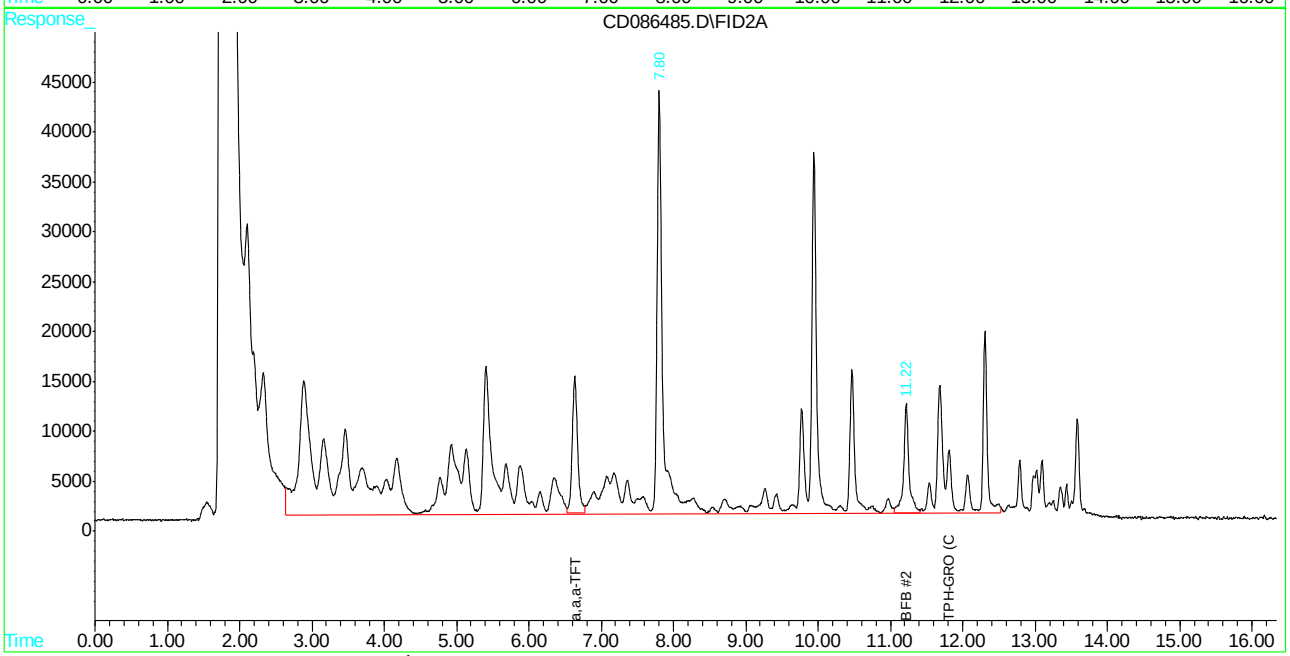
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\CD086485.D\FID1B.CH Vial: 27
Signal #2 : C:\HPCHEM\1\DATA\121608\CD086485.D\FID2A.CH
Acq On : 16 Dec 2008 7:42 pm Operator: JuanG
Sample : ecc3620-4 Inst : VOA2
Misc : gc9255,gcd3636,5.00,,100,5,1, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 17 10:07 2008 Quant Results File: 8015S-CD.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-CD.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Dec 03 09:01:46 2008
Response via : Multiple Level Calibration
DataAcq Meth : GRO.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID





ACCUTEST Laboratories F61975

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\112608\QR044853.D\FID1B.CH Vial: 3
Signal #2 : C:\HPCHEM\1\DATA\112608\QR044853.D\FID2A.CH
Acq On : 26 Nov 2008 11:17 am Operator: ArielH
Sample : ic1952-1 Inst : VOA3
Misc : gc9209,gqr1952,5.00,,100,5.0,,soil Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Nov 26 15:29 2008 Quant Results File: 8015S-QR.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-QR.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 15:28:06 2008
Response via : Initial Calibration
DataAcq Meth : GRO-QR.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-TFT	7.86	14038	18.496 ug/Kg
Spiked Amount 20.000	Range 61 - 121	Recovery =	92.48%
2) S BFB	11.66	31807	17.473 ug/Kg
Spiked Amount 20.000	Range 56 - 136	Recovery =	87.36%
4) S a,a,a-TFT #2	7.87	387323	17.428 ug/Kg
Spiked Amount 20.000	Range 61 - 121	Recovery =	87.14%
5) S BFB #2	11.66	142434	16.351 ug/Kg
Spiked Amount 20.000	Range 56 - 136	Recovery =	81.75%
Target Compounds			
6) H TPH-GRO (C6-C10)	11.92	2439861	96.710 ug/Kg

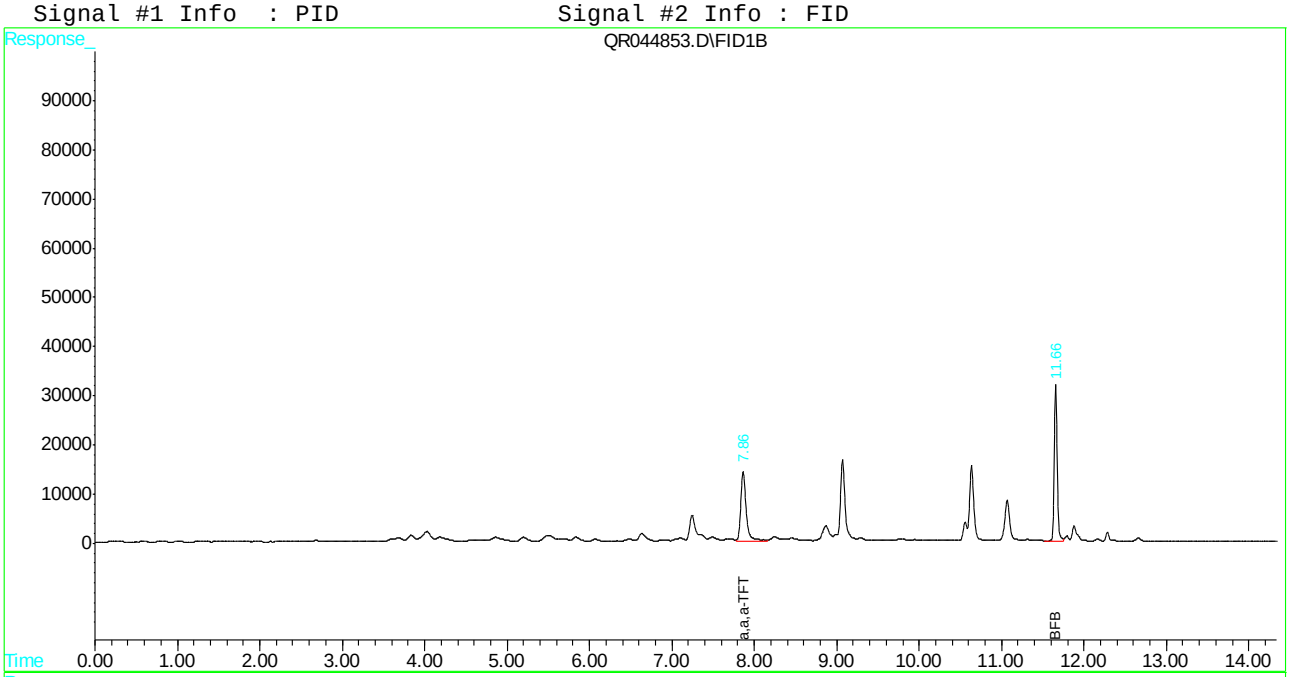
(f)=RT Delta > 1/2 Window (m)=manual int.
QR044853.D 8015S-QR.M Fri Nov 28 10:46:25 2008 Page 1

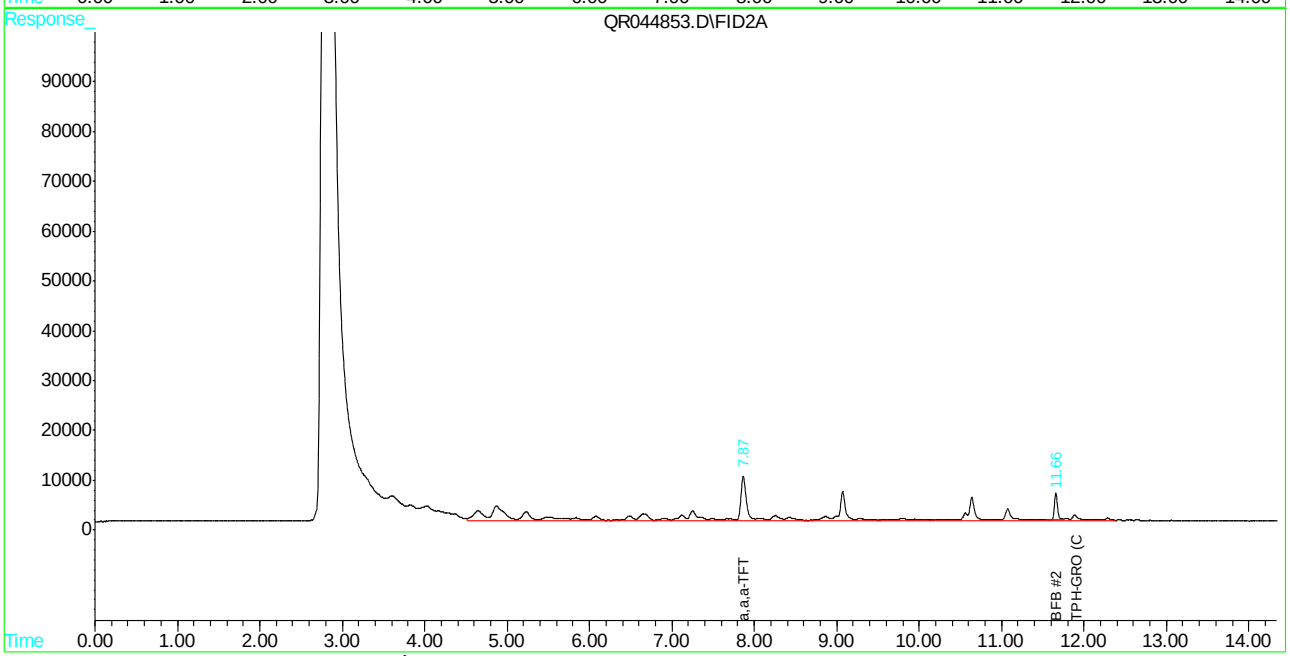
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\112608\QR044853.D\FID1B.CH Vial: 3
Signal #2 : C:\HPCHEM\1\DATA\112608\QR044853.D\FID2A.CH
Acq On : 26 Nov 2008 11:17 am Operator: ArielH
Sample : ic1952-1 Inst : VOA3
Misc : gc9209,gqr1952,5.00,,100,5.0,,soil Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Nov 26 15:29 2008 Quant Results File: 8015S-QR.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-QR.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 15:28:06 2008
Response via : Multiple Level Calibration
DataAcq Meth : GRO-QR.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID





ACCUTEST Laboratories F61975

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\112608\QR044854.D\FID1B.CH Vial: 4
Signal #2 : C:\HPCHEM\1\DATA\112608\QR044854.D\FID2A.CH
Acq On : 26 Nov 2008 1:17 pm Operator: ArielH
Sample : ic1952-2 Inst : VOA3
Misc : gc9209,gqr1952,5.00,,100,5.0,,soil Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Nov 26 15:29 2008 Quant Results File: 8015S-QR.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-QR.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 15:28:06 2008
Response via : Initial Calibration
DataAcq Meth : GRO-QR.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-TFT	7.87	14315	18.861 ug/Kg
Spiked Amount 20.000	Range 61 - 121	Recovery =	94.31%
2) S BFB	11.65	32571	17.893 ug/Kg
Spiked Amount 20.000	Range 56 - 136	Recovery =	89.47%
4) S a,a,a-TFT #2	7.87	391074	17.597 ug/Kg
Spiked Amount 20.000	Range 61 - 121	Recovery =	87.98%
5) S BFB #2	11.65	147730	16.959 ug/Kg
Spiked Amount 20.000	Range 56 - 136	Recovery =	84.80%
Target Compounds			
6) H TPH-GRO (C6-C10)	11.92	3899587	191.340 ug/Kg

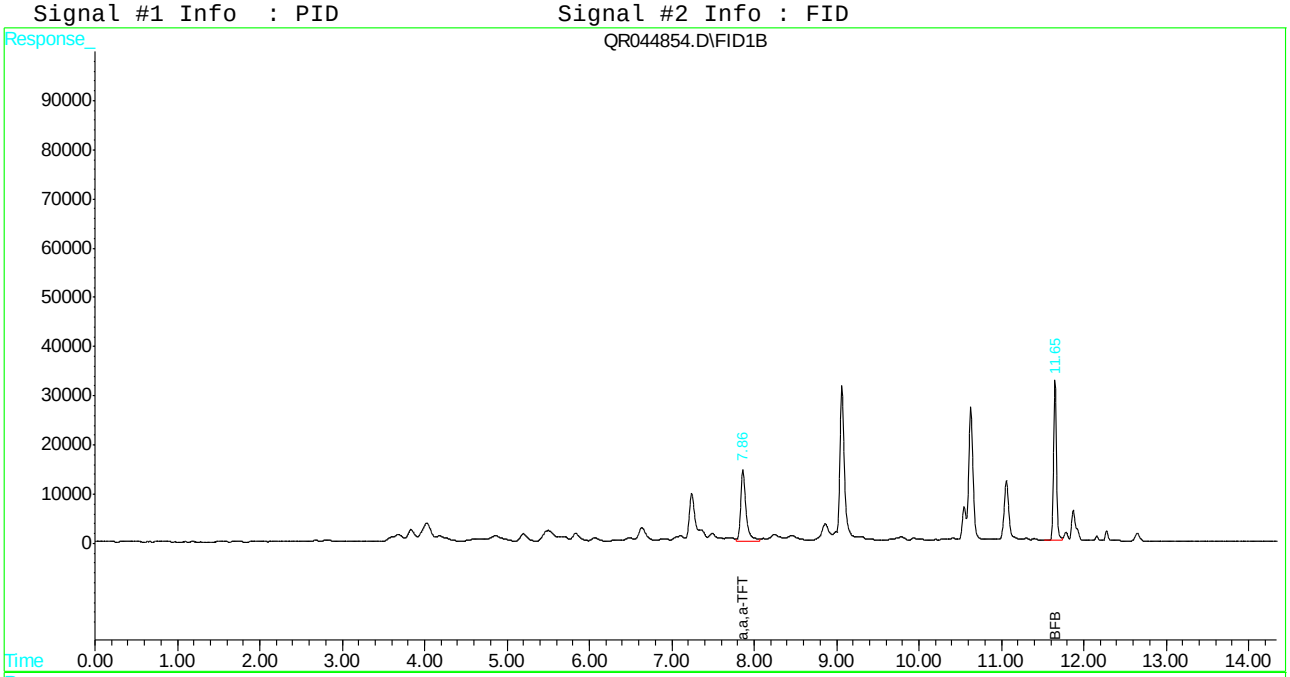
(f)=RT Delta > 1/2 Window (m)=manual int.
QR044854.D 8015S-QR.M Fri Nov 28 10:46:28 2008 Page 1

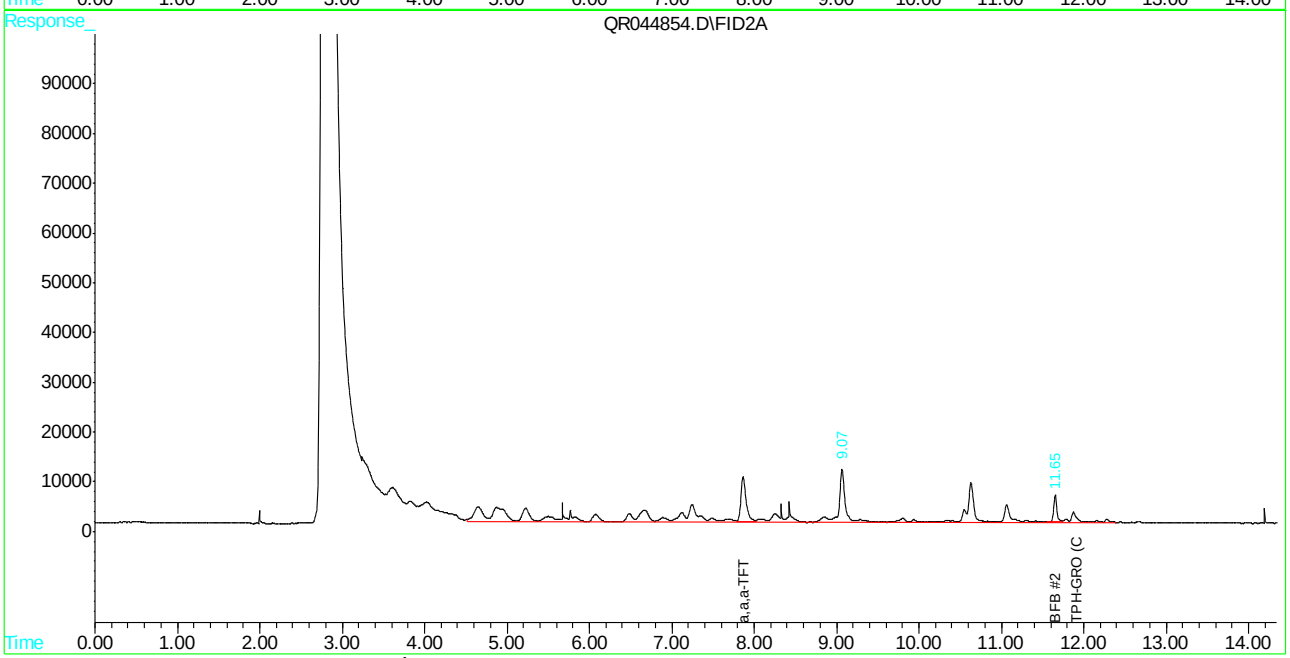
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\112608\QR044854.D\FID1B.CH Vial: 4
Signal #2 : C:\HPCHEM\1\DATA\112608\QR044854.D\FID2A.CH
Acq On : 26 Nov 2008 1:17 pm Operator: ArielH
Sample : ic1952-2 Inst : VOA3
Misc : gc9209,gqr1952,5.00,,100,5.0,,soil Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Nov 26 15:29 2008 Quant Results File: 8015S-QR.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-QR.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 15:28:06 2008
Response via : Multiple Level Calibration
DataAcq Meth : GRO-QR.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\112608\QR044855.D\FID1B.CH Vial: 5
Signal #2 : C:\HPCHEM\1\DATA\112608\QR044855.D\FID2A.CH
Acq On : 26 Nov 2008 1:44 pm Operator: ArielH
Sample : ic1952-3 Inst : VOA3
Misc : gc9209,gqr1952,5.00,,100,5.0,,soil Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Nov 26 15:29 2008 Quant Results File: 8015S-QR.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-QR.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 15:28:06 2008
Response via : Initial Calibration
DataAcq Meth : GRO-QR.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-TFT	7.87	14991	19.751 ug/Kg
Spiked Amount 20.000	Range 61 - 121	Recovery =	98.76%
2) S BFB	11.65	33808	18.572 ug/Kg
Spiked Amount 20.000	Range 56 - 136	Recovery =	92.86%
4) S a,a,a-TFT #2	7.87	458162	20.615 ug/Kg
Spiked Amount 20.000	Range 61 - 121	Recovery =	103.07%
5) S BFB #2	11.65	160262	18.398 ug/Kg
Spiked Amount 20.000	Range 56 - 136	Recovery =	91.99%
Target Compounds			
6) H TPH-GRO (C6-C10)	11.92	7270935	409.894 ug/Kg

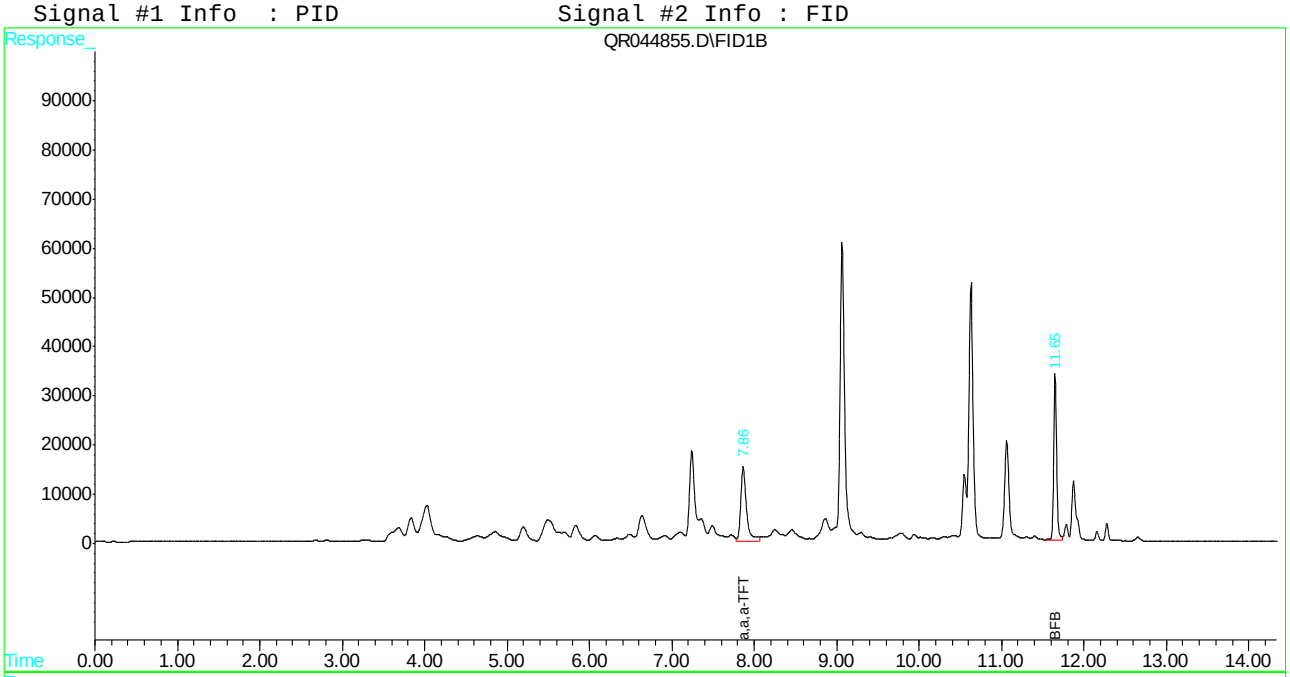
(f)=RT Delta > 1/2 Window (m)=manual int.
QR044855.D 8015S-QR.M Fri Nov 28 10:46:32 2008 Page 1

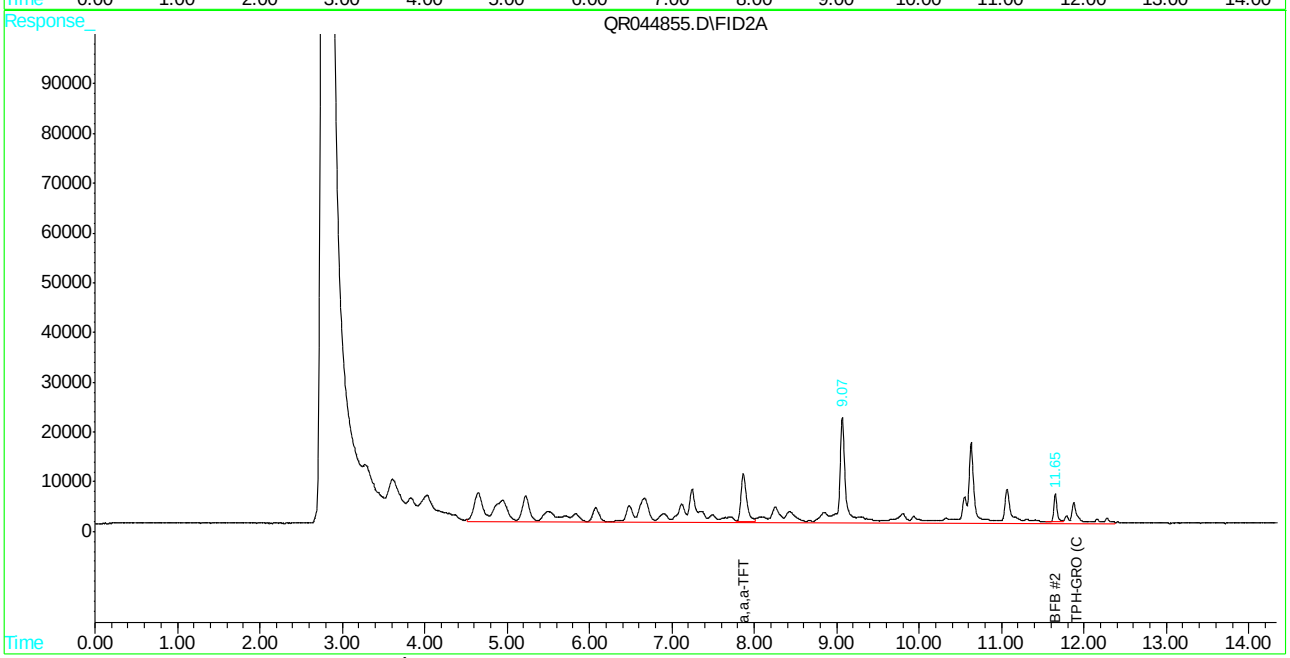
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\112608\QR044855.D\FID1B.CH Vial: 5
Signal #2 : C:\HPCHEM\1\DATA\112608\QR044855.D\FID2A.CH
Acq On : 26 Nov 2008 1:44 pm Operator: ArielH
Sample : ic1952-3 Inst : VOA3
Misc : gc9209,gqr1952,5.00,,100,5.0,,soil Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Nov 26 15:29 2008 Quant Results File: 8015S-QR.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-QR.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 15:28:06 2008
Response via : Multiple Level Calibration
DataAcq Meth : GRO-QR.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID





ACCUTEST Laboratories F61975

Manual Integrations APPROVED (compounds with "m" flag)
Juan Garcia
12/01/08 16:26

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\112608\QR044856.D\FID1B.CH Vial: 6
Signal #2 : C:\HPCHEM\1\DATA\112608\QR044856.D\FID2A.CH
Acq On : 26 Nov 2008 2:11 pm Operator: ArielH
Sample : icc1952-4 Inst : VOA3
Misc : gc9209,gqr1952,5.00,,100,5.0,,soil Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Nov 28 10:23 2008 Quant Results File: 8015S-QR.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-QR.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 15:28:06 2008
Response via : Initial Calibration
DataAcq Meth : GRO-QR.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-TFT	7.87	15405	20.297 ug/Kg
Spiked Amount 20.000	Range 61 - 121	Recovery = 101.49%	
2) S BFB	11.65	40269	22.122 ug/Kg
Spiked Amount 20.000	Range 56 - 136	Recovery = 110.61%	
4) S a,a,a-TFT #2	7.87	466092	20.972 ug/Kgm
Spiked Amount 20.000	Range 61 - 121	Recovery = 104.86%	
5) S BFB #2	11.65	175064	20.097 ug/Kgm
Spiked Amount 20.000	Range 56 - 136	Recovery = 100.49%	
Target Compounds			
6) H TPH-GRO (C6-C10)	11.92	10280247	604.979 ug/Kg

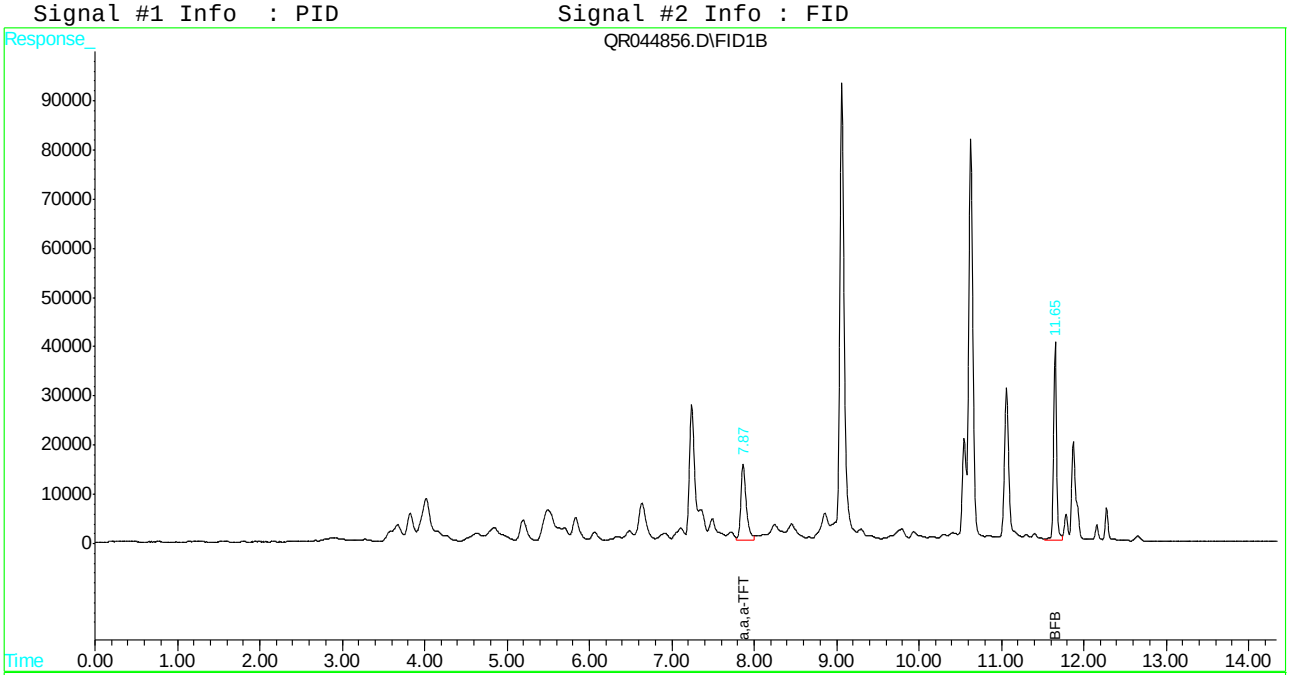
(f)=RT Delta > 1/2 Window (m)=manual int.
QR044856.D 8015S-QR.M Fri Nov 28 10:46:34 2008 Page 1

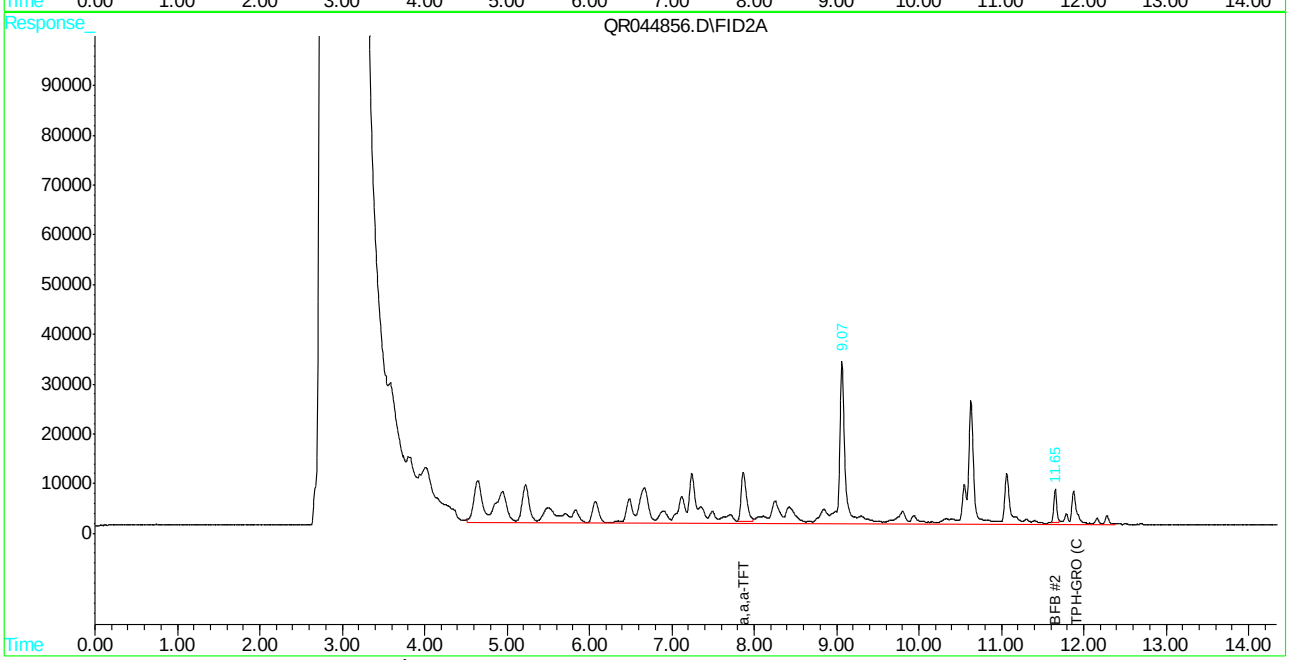
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\112608\QR044856.D\FID1B.CH Vial: 6
Signal #2 : C:\HPCHEM\1\DATA\112608\QR044856.D\FID2A.CH
Acq On : 26 Nov 2008 2:11 pm Operator: ArielH
Sample : icc1952-4 Inst : VOA3
Misc : gc9209,gqr1952,5.00,,100,5.0,,soil Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Nov 28 10:23 2008 Quant Results File: 8015S-QR.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-QR.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 15:28:06 2008
Response via : Multiple Level Calibration
DataAcq Meth : GRO-QR.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID





ACCUTEST Laboratories F61975

Manual Integrations APPROVED (compounds with "m" flag)
Juan Garcia
12/01/08 16:26

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\112608\QR044857.D\FID1B.CH Vial: 7
Signal #2 : C:\HPCHEM\1\DATA\112608\QR044857.D\FID2A.CH
Acq On : 26 Nov 2008 2:38 pm Operator: ArielH
Sample : ic1952-5 Inst : VOA3
Misc : gc9209,gqr1952,5.00,,100,5.0,,soil Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Nov 28 10:23 2008 Quant Results File: 8015S-QR.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-QR.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 15:28:06 2008
Response via : Initial Calibration
DataAcq Meth : GRO-QR.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-TFT	7.87	16394	21.599 ug/Kg
Spiked Amount 20.000	Range 61 - 121	Recovery = 107.99%	
2) S BFB	11.65	40207	22.088 ug/Kg
Spiked Amount 20.000	Range 56 - 136	Recovery = 110.44%	
4) S a,a,a-TFT #2	7.87	503882	22.673 ug/Kgm
Spiked Amount 20.000	Range 61 - 121	Recovery = 113.36%	
5) S BFB #2	11.66	182916	20.998 ug/Kgm
Spiked Amount 20.000	Range 56 - 136	Recovery = 104.99%	
Target Compounds			
6) H TPH-GRO (C6-C10)	11.92	13374028	805.540 ug/Kg

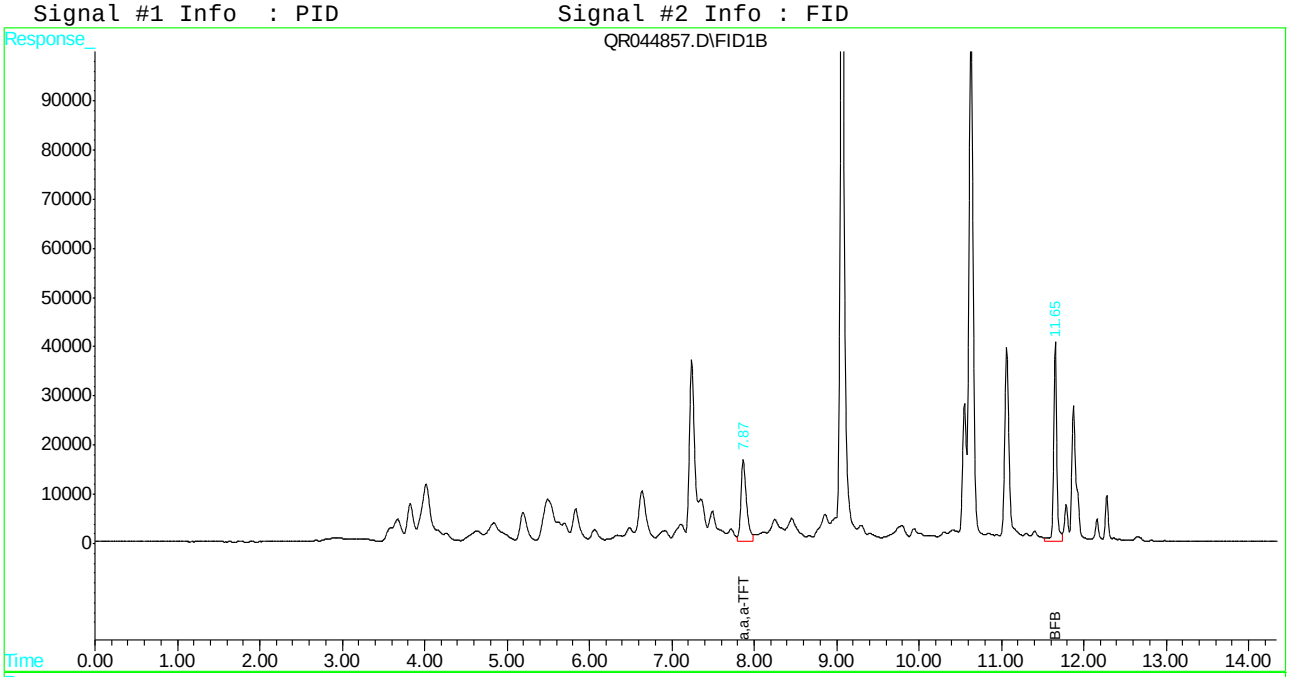
(f)=RT Delta > 1/2 Window (m)=manual int.
QR044857.D 8015S-QR.M Fri Nov 28 10:46:37 2008 Page 1

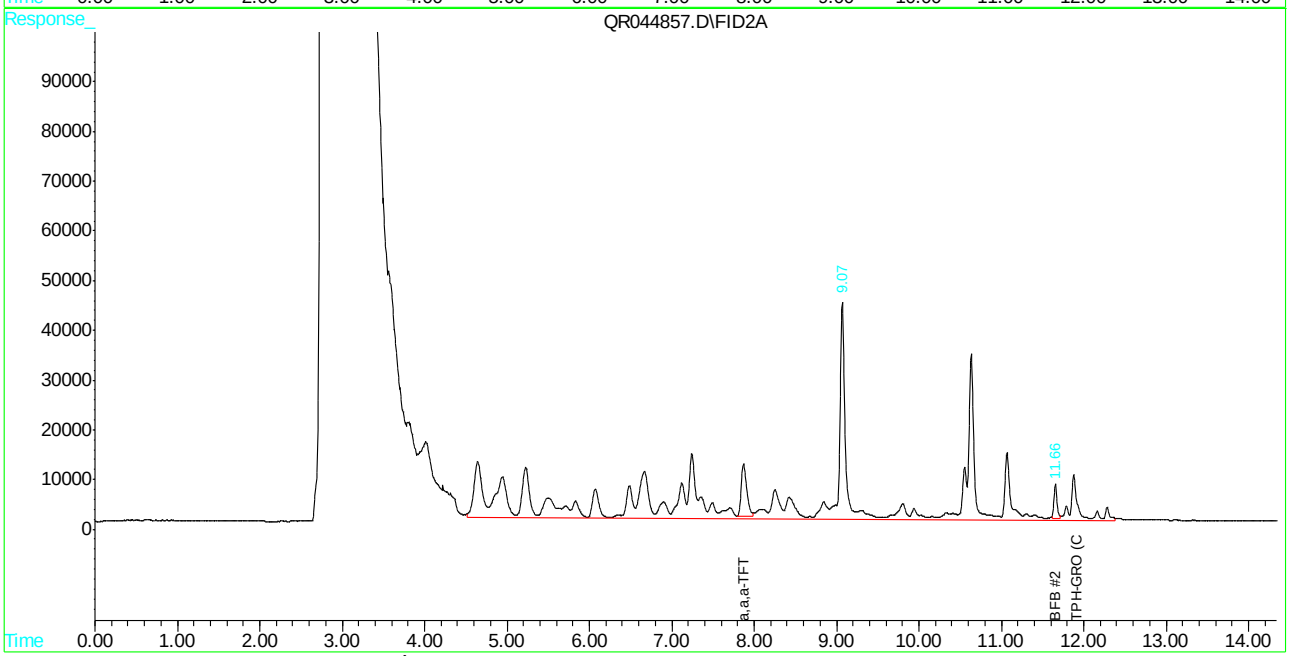
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\112608\QR044857.D\FID1B.CH Vial: 7
Signal #2 : C:\HPCHEM\1\DATA\112608\QR044857.D\FID2A.CH
Acq On : 26 Nov 2008 2:38 pm Operator: ArielH
Sample : ic1952-5 Inst : VOA3
Misc : gc9209,gqr1952,5.00,,100,5.0,,soil Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Nov 28 10:23 2008 Quant Results File: 8015S-QR.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-QR.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 15:28:06 2008
Response via : Multiple Level Calibration
DataAcq Meth : GRO-QR.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID





Manual Integrations APPROVED (compounds with "m" flag)
Juan Garcia
12/01/08 16:26

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\112608\QR044858.D\FID1B.CH Vial: 8
Signal #2 : C:\HPCHEM\1\DATA\112608\QR044858.D\FID2A.CH
Acq On : 26 Nov 2008 3:05 pm Operator: ArielH
Sample : ic1952-6 Inst : VOA3
Misc : gc9209,gqr1952,5.00,,100,5.0,,soil Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Nov 28 10:24 2008 Quant Results File: 8015S-QR.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-QR.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 15:28:06 2008
Response via : Initial Calibration
DataAcq Meth : GRO-QR.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-TFT	7.87	16335	21.522 ug/Kg
Spiked Amount 20.000	Range 61 - 121	Recovery = 107.61%	
2) S BFB	11.66	39779	21.852 ug/Kg
Spiked Amount 20.000	Range 56 - 136	Recovery = 109.26%	
4) S a,a,a-TFT #2	7.87	509005	22.903 ug/Kgm
Spiked Amount 20.000	Range 61 - 121	Recovery = 114.51%	
5) S BFB #2	11.66	172764	19.833 ug/Kgm
Spiked Amount 20.000	Range 56 - 136	Recovery = 99.16%	
Target Compounds			
6) H TPH-GRO (C6-C10)	11.92	16257453	992.464 ug/Kg

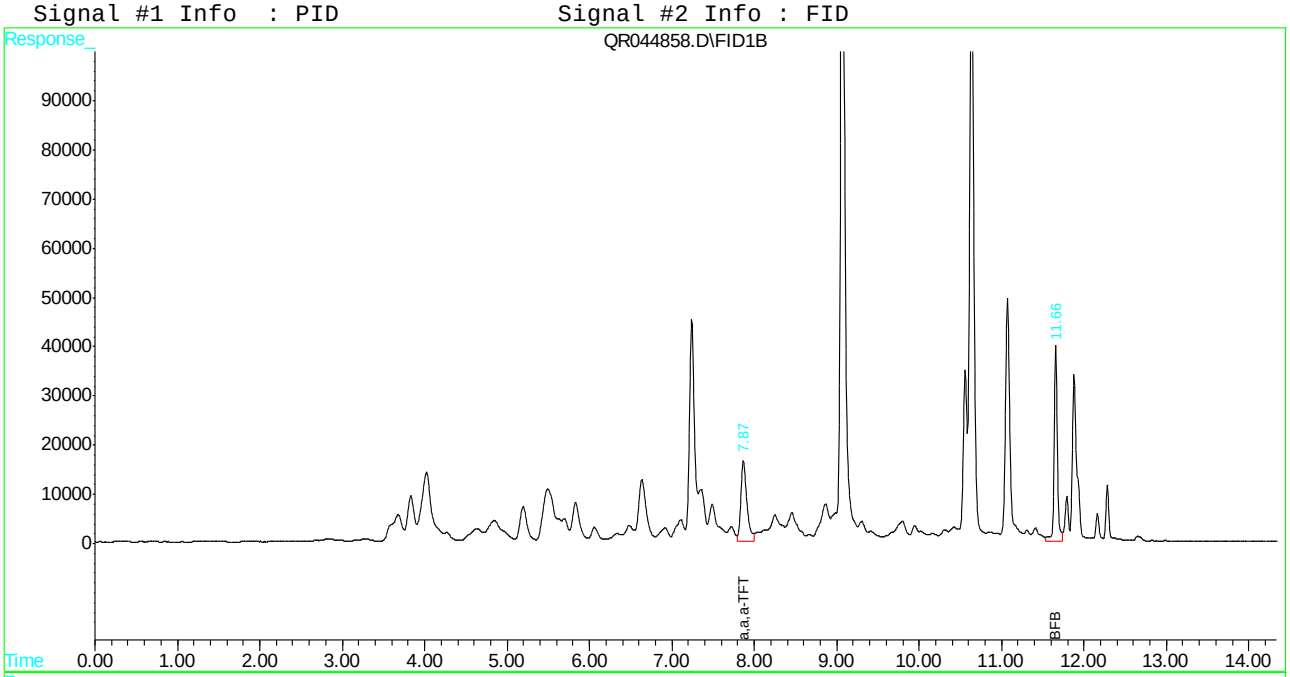
(f)=RT Delta > 1/2 Window (m)=manual int.
QR044858.D 8015S-QR.M Fri Nov 28 10:46:40 2008 Page 1

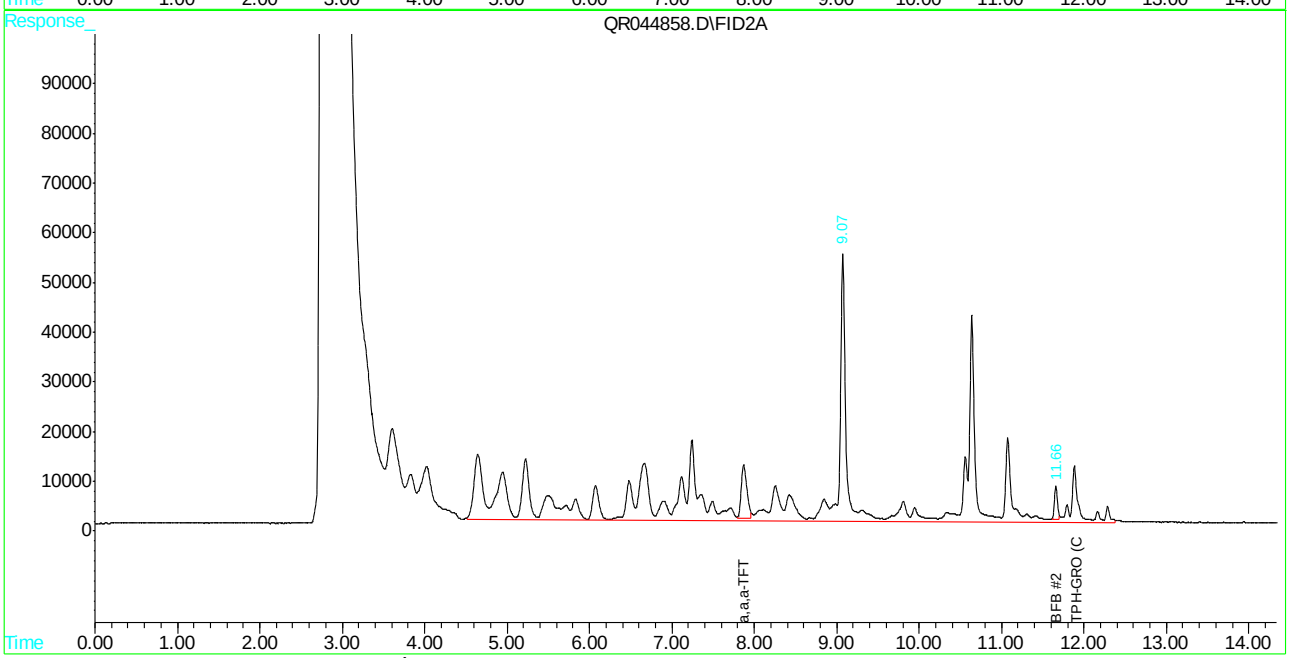
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\112608\QR044858.D\FID1B.CH Vial: 8
Signal #2 : C:\HPCHEM\1\DATA\112608\QR044858.D\FID2A.CH
Acq On : 26 Nov 2008 3:05 pm Operator: ArielH
Sample : ic1952-6 Inst : VOA3
Misc : gc9209,gqr1952,5.00,,100,5.0,,soil Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Nov 28 10:24 2008 Quant Results File: 8015S-QR.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-QR.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 15:28:06 2008
Response via : Multiple Level Calibration
DataAcq Meth : GRO-QR.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID





ACCUTEST Laboratories F61975

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\112608\QR044859.D\FID1B.CH Vial: 9
Signal #2 : C:\HPCHEM\1\DATA\112608\QR044859.D\FID2A.CH
Acq On : 26 Nov 2008 3:53 pm Operator: ArielH
Sample : icv1952-3 Inst : VOA3
Misc : gc9209,gqr1952,5.00,,100,5.0,,soil Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Nov 26 16:08 2008 Quant Results File: 8015S-QR.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-QR.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 15:28:06 2008
Response via : Initial Calibration
DataAcq Meth : GRO-QR.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-TFT	7.87	14952	19.700 ug/Kg
Spiked Amount 20.000	Range 61 - 121	Recovery = 98.50%	
2) S BFB	11.66	34257	18.819 ug/Kg
Spiked Amount 20.000	Range 56 - 136	Recovery = 94.09%	
4) S a,a,a-TFT #2	7.87	464790	20.914 ug/Kg
Spiked Amount 20.000	Range 61 - 121	Recovery = 104.57%	
5) S BFB #2	11.66	171675	19.708 ug/Kg
Spiked Amount 20.000	Range 56 - 136	Recovery = 98.54%	
Target Compounds			
6) H TPH-GRO (C6-C10)	11.92	6768464	377.321 ug/Kg

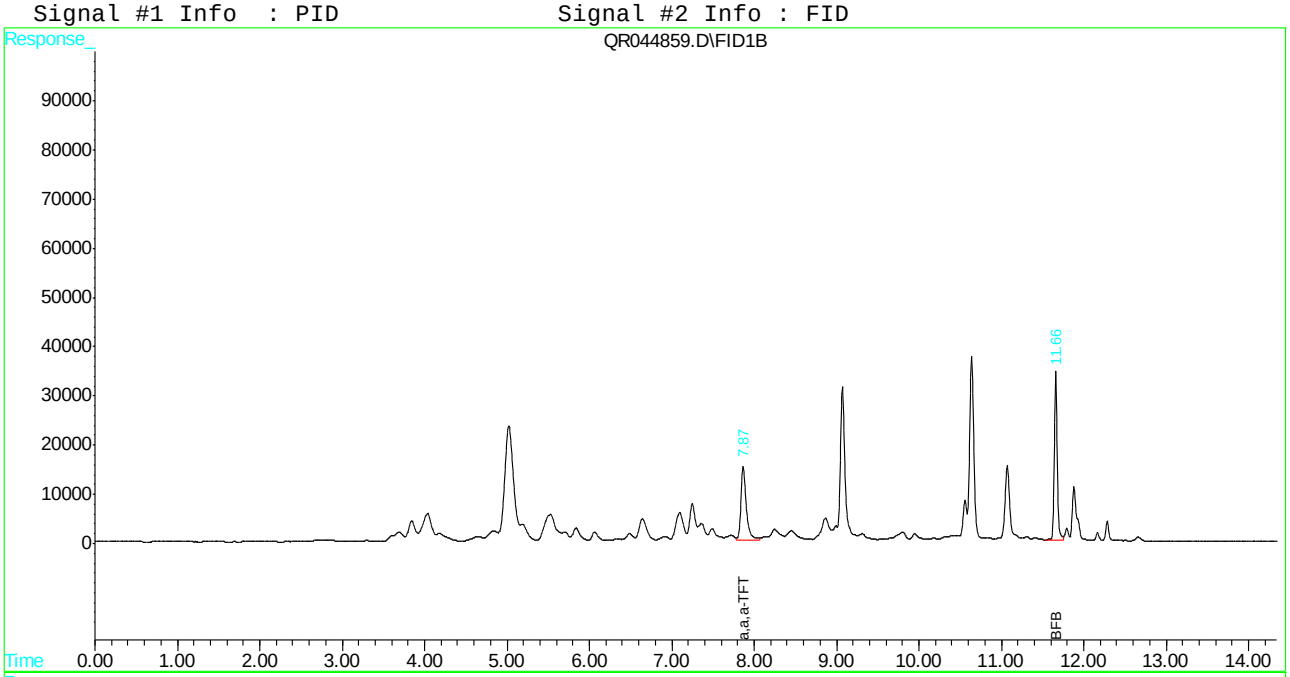
(f)=RT Delta > 1/2 Window (m)=manual int.
QR044859.D 8015S-QR.M Fri Nov 28 10:46:42 2008 Page 1

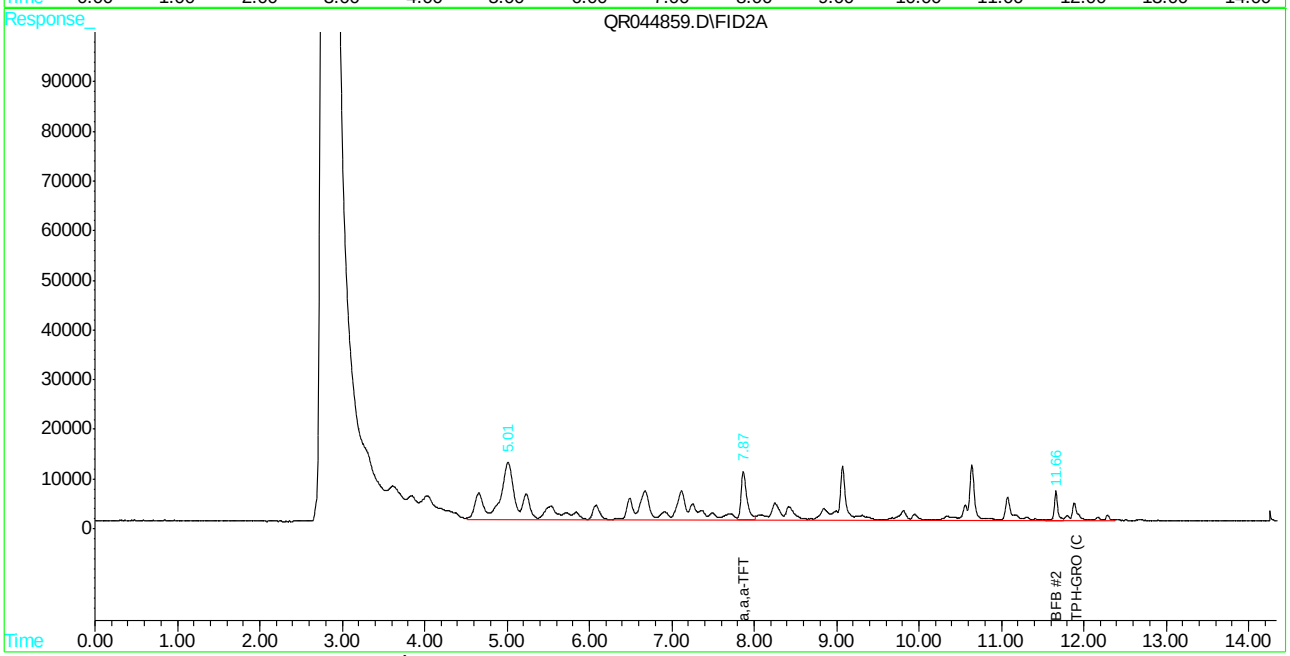
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\112608\QR044859.D\FID1B.CH Vial: 9
Signal #2 : C:\HPCHEM\1\DATA\112608\QR044859.D\FID2A.CH
Acq On : 26 Nov 2008 3:53 pm Operator: ArielH
Sample : icv1952-3 Inst : VOA3
Misc : gc9209,gqr1952,5.00,,100,5.0,,soil Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Nov 26 16:08 2008 Quant Results File: 8015S-QR.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-QR.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 15:28:06 2008
Response via : Multiple Level Calibration
DataAcq Meth : GRO-QR.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID





Manual Integrations APPROVED (compounds with "m" flag)
Juan Garcia 12/18/08 12:49

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\QR045266.D\FID1B.CH Vial: 3
Signal #2 : C:\HPCHEM\1\DATA\121608\QR045266.D\FID2A.CH
Acq On : 16 Dec 2008 12:24 pm Operator: ArielH
Sample : CC1952-4 Inst : VOA3
Misc : gc9255,gqr1968,5.00,,100,5.0,,soil Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 17 9:06 2008 Quant Results File: 8015S-QR.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-QR.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 15:28:06 2008
Response via : Initial Calibration
DataAcq Meth : GRO-QR.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-TFT	7.87	15913	20.965 ug/Kg
Spiked Amount 20.000	Range 61 - 121	Recovery = 104.82%	
2) S BFB	11.65	32752	17.992 ug/Kg
Spiked Amount 20.000	Range 56 - 136	Recovery = 89.96%	
4) S a,a,a-TFT #2	7.87	413469	18.604 ug/Kg
Spiked Amount 20.000	Range 61 - 121	Recovery = 93.02%	
5) S BFB #2	11.66	150072	17.228 ug/Kgm
Spiked Amount 20.000	Range 56 - 136	Recovery = 86.14%	
Target Compounds			
6) H TPH-GRO (C6-C10)	11.92	9553445	557.863 ug/Kg

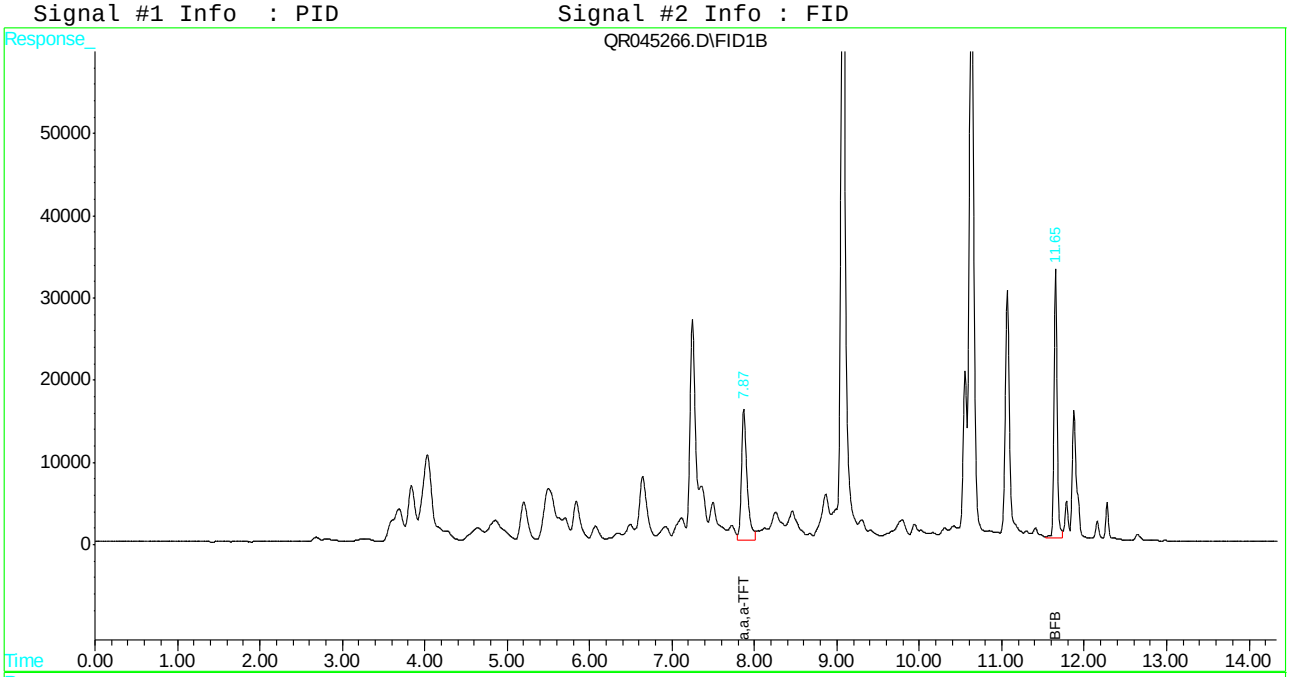
(f)=RT Delta > 1/2 Window (m)=manual int.
QR045266.D 8015S-QR.M Wed Dec 17 09:20:46 2008 Page 1

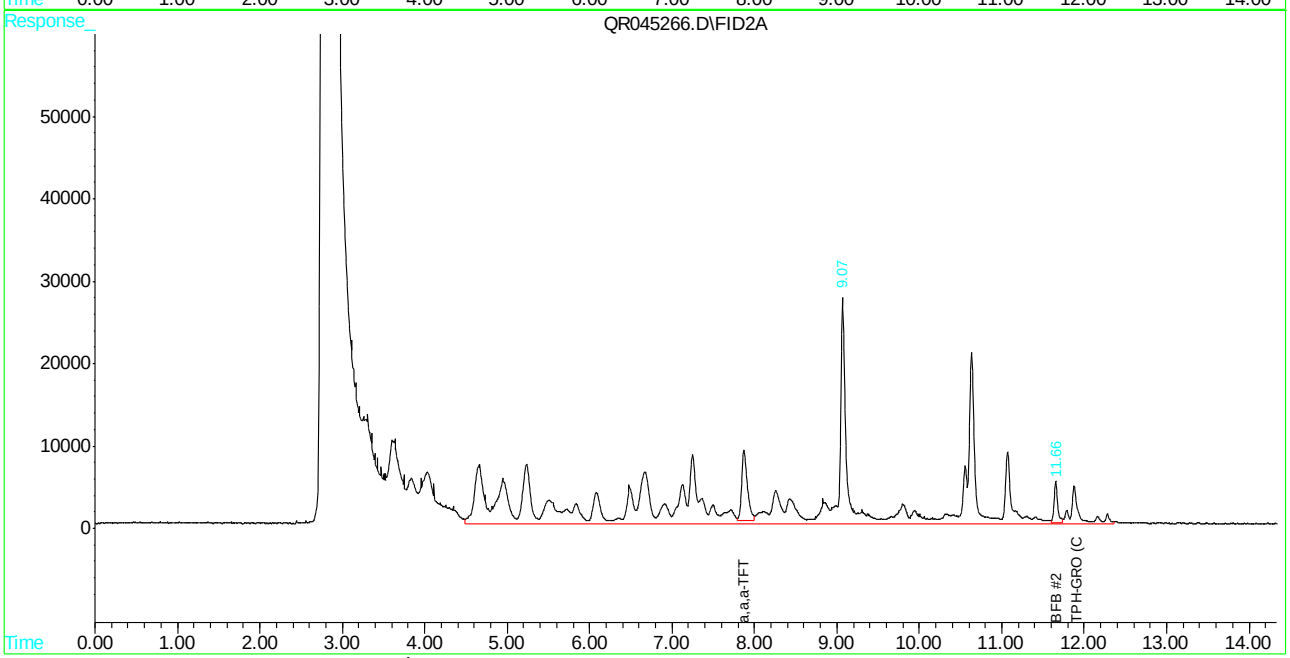
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\QR045266.D\FID1B.CH Vial: 3
Signal #2 : C:\HPCHEM\1\DATA\121608\QR045266.D\FID2A.CH
Acq On : 16 Dec 2008 12:24 pm Operator: ArielH
Sample : CC1952-4 Inst : VOA3
Misc : gc9255,gqr1968,5.00,,100,5.0,,soil Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 17 9:06 2008 Quant Results File: 8015S-QR.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-QR.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 15:28:06 2008
Response via : Multiple Level Calibration
DataAcq Meth : GRO-QR.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID





ACCUTEST Laboratories F61975

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\QR045274.D\FID1B.CH Vial: 11
Signal #2 : C:\HPCHEM\1\DATA\121608\QR045274.D\FID2A.CH
Acq On : 16 Dec 2008 4:16 pm Operator: ArielH
Sample : cc1952-3 Inst : VOA3
Misc : gc9255,gqr1968,5.00,,100,5.0,,soil Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 17 9:10 2008 Quant Results File: 8015S-QR.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-QR.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 15:28:06 2008
Response via : Initial Calibration
DataAcq Meth : GRO-QR.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-TFT	7.87	15639	20.605 ug/Kg
Spiked Amount 20.000	Range 61 - 121	Recovery = 103.03%	
2) S BFB	11.65	38665	21.241 ug/Kg
Spiked Amount 20.000	Range 56 - 136	Recovery = 106.21%	
4) S a,a,a-TFT #2	7.87	390742	17.582 ug/Kg
Spiked Amount 20.000	Range 61 - 121	Recovery = 87.91%	
5) S BFB #2	11.66	154101	17.690 ug/Kg
Spiked Amount 20.000	Range 56 - 136	Recovery = 88.45%	
Target Compounds			
6) H TPH-GRO (C6-C10)	11.92	6459841	357.314 ug/Kg

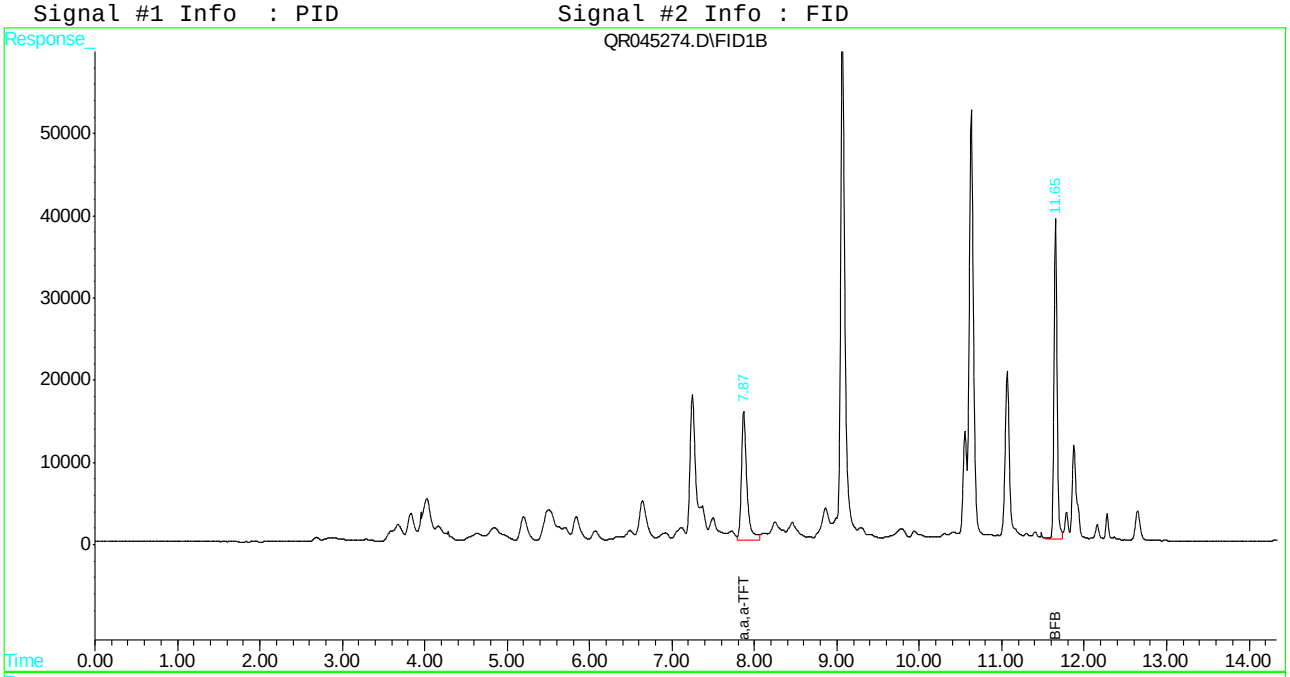
(f)=RT Delta > 1/2 Window (m)=manual int.
QR045274.D 8015S-QR.M Wed Dec 17 09:21:08 2008 Page 1

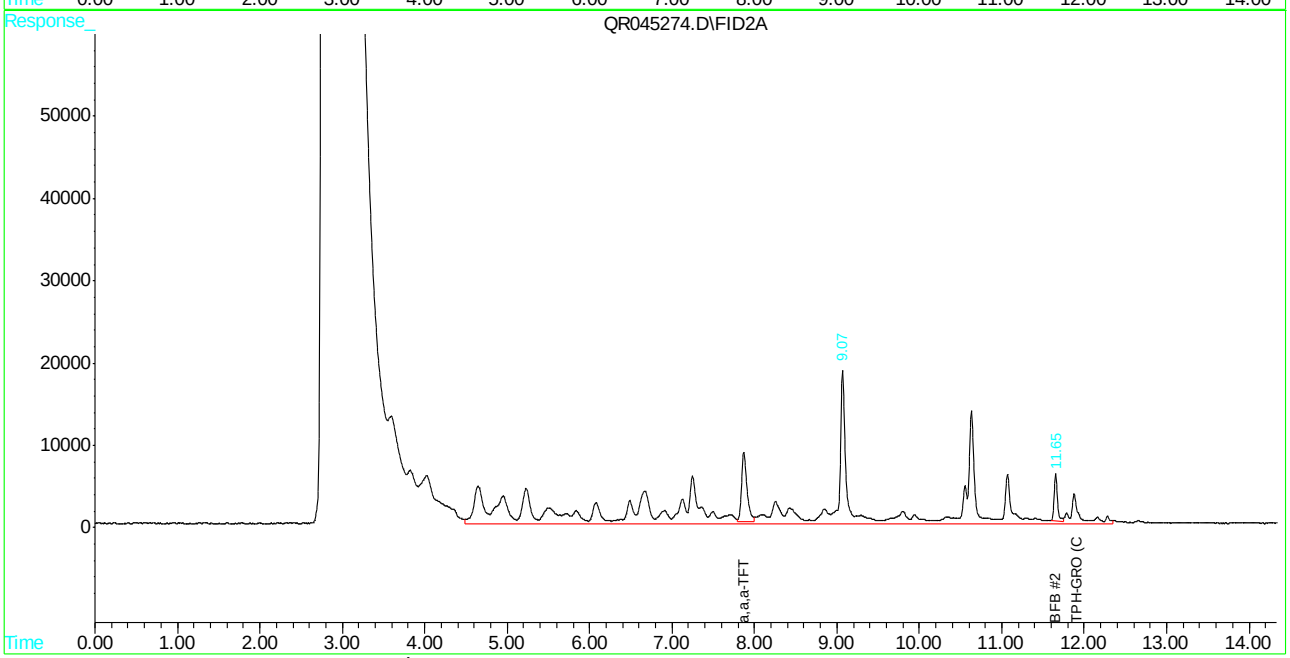
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\QR045274.D\FID1B.CH Vial: 11
Signal #2 : C:\HPCHEM\1\DATA\121608\QR045274.D\FID2A.CH
Acq On : 16 Dec 2008 4:16 pm Operator: ArielH
Sample : cc1952-3 Inst : VOA3
Misc : gc9255,gqr1968,5.00,,100,5.0,,soil Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 17 9:10 2008 Quant Results File: 8015S-QR.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-QR.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 15:28:06 2008
Response via : Multiple Level Calibration
DataAcq Meth : GRO-QR.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID





Manual Integrations APPROVED (compounds with "m" flag)
Juan Garcia
12/18/08 12:49

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\QR045283.D\FID1B.CH Vial: 20
Signal #2 : C:\HPCHEM\1\DATA\121608\QR045283.D\FID2A.CH
Acq On : 16 Dec 2008 8:18 pm Operator: ArielH
Sample : cc1952-4 Inst : VOA3
Misc : gc9255,gqr1968,5.00,,100,5.0,,soil Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 17 9:17 2008 Quant Results File: 8015S-QR.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-QR.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 15:28:06 2008
Response via : Initial Calibration
DataAcq Meth : GRO-QR.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-TFT	7.87	15315	20.177 ug/Kg
Spiked Amount 20.000	Range 61 - 121	Recovery = 100.89%	
2) S BFB	11.65	37722	20.723 ug/Kg
Spiked Amount 20.000	Range 56 - 136	Recovery = 103.61%	
4) S a,a,a-TFT #2	7.87	422674	19.019 ug/Kg
Spiked Amount 20.000	Range 61 - 121	Recovery = 95.09%	
5) S BFB #2	11.66	157635	18.096 ug/Kgm
Spiked Amount 20.000	Range 56 - 136	Recovery = 90.48%	
Target Compounds			
6) H TPH-GRO (C6-C10)	11.92	9858318	577.627 ug/Kg

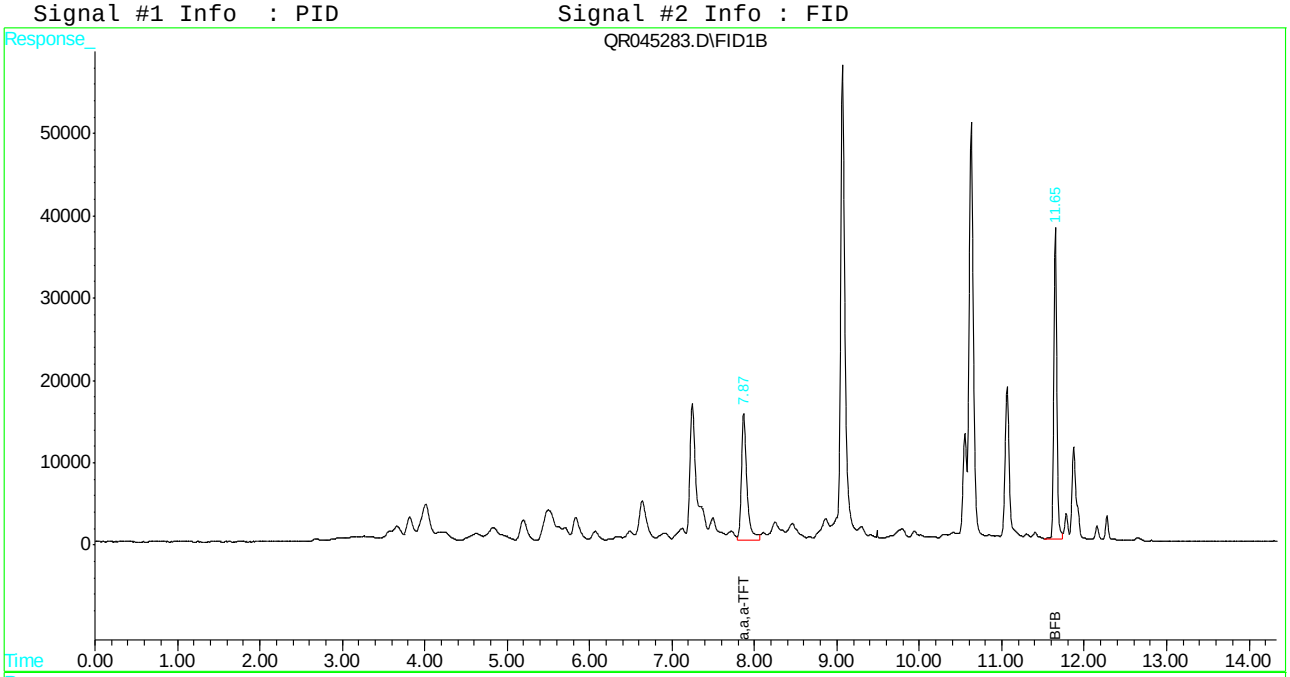
(f)=RT Delta > 1/2 Window (m)=manual int.
QR045283.D 8015S-QR.M Wed Dec 17 09:21:33 2008 Page 1

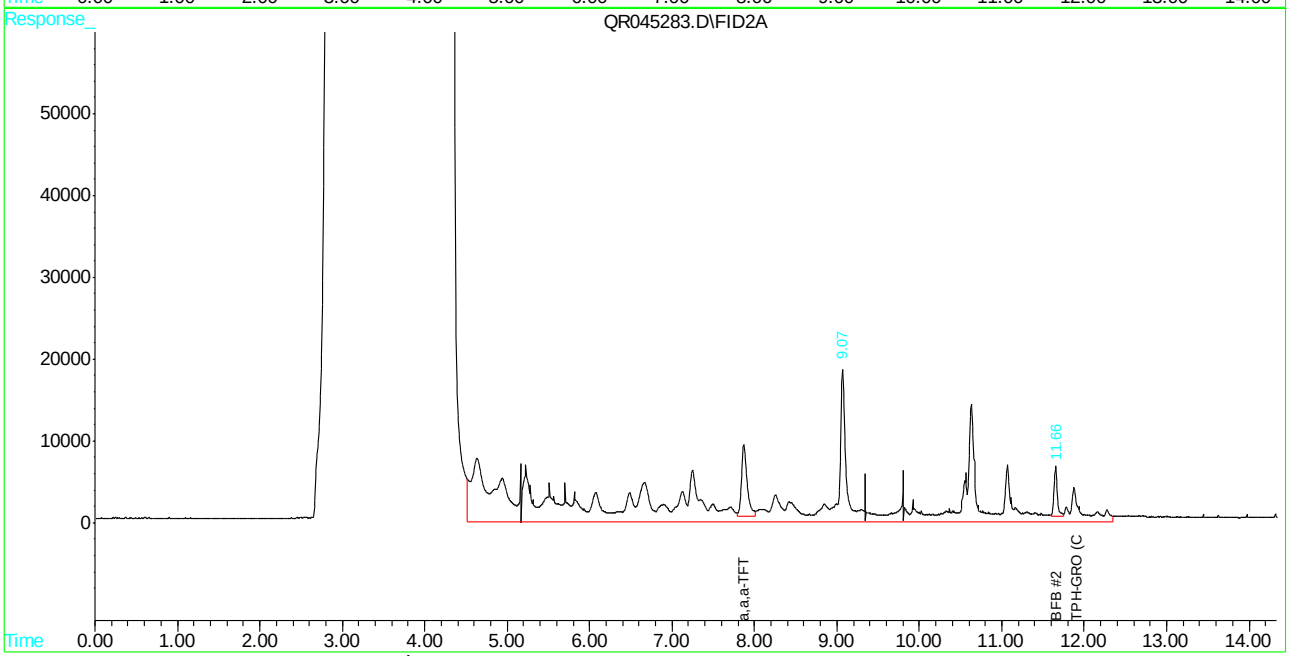
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\QR045283.D\FID1B.CH Vial: 20
Signal #2 : C:\HPCHEM\1\DATA\121608\QR045283.D\FID2A.CH
Acq On : 16 Dec 2008 8:18 pm Operator: ArielH
Sample : cc1952-4 Inst : VOA3
Misc : gc9255,gqr1968,5.00,,100,5.0,,soil Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 17 9:17 2008 Quant Results File: 8015S-QR.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-QR.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 15:28:06 2008
Response via : Multiple Level Calibration
DataAcq Meth : GRO-QR.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID





ACCUTEST Laboratories F61975

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\QR045287.D\FID1B.CH Vial: 24
Signal #2 : C:\HPCHEM\1\DATA\121608\QR045287.D\FID2A.CH
Acq On : 16 Dec 2008 10:09 pm Operator: ArielH
Sample : ecc1952-3 Inst : VOA3
Misc : gc9255,gqr1968,5.00,,100,5.0,,soil Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 17 9:19 2008 Quant Results File: 8015S-QR.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-QR.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 15:28:06 2008
Response via : Initial Calibration
DataAcq Meth : GRO-QR.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-TFT	7.87	15434	20.335 ug/Kg
Spiked Amount 20.000	Range 61 - 121	Recovery = 101.68%	
2) S BFB	11.65	34481	18.942 ug/Kg
Spiked Amount 20.000	Range 56 - 136	Recovery = 94.71%	
4) S a,a,a-TFT #2	7.87	414534	18.652 ug/Kg
Spiked Amount 20.000	Range 61 - 121	Recovery = 93.26%	
5) S BFB #2	11.65	148215	17.015 ug/Kg
Spiked Amount 20.000	Range 56 - 136	Recovery = 85.08%	
Target Compounds			
6) H TPH-GRO (C6-C10)	11.92	6354974	350.515 ug/Kg

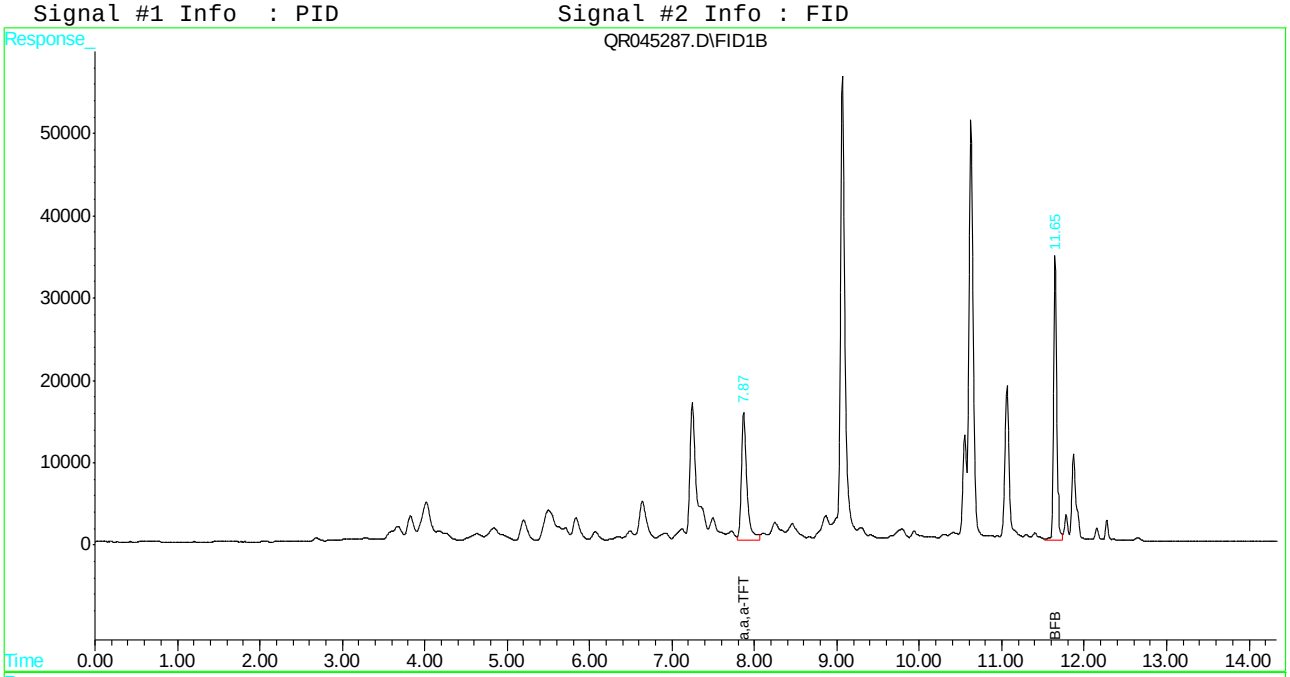
(f)=RT Delta > 1/2 Window (m)=manual int.
QR045287.D 8015S-QR.M Wed Dec 17 09:21:44 2008 Page 1

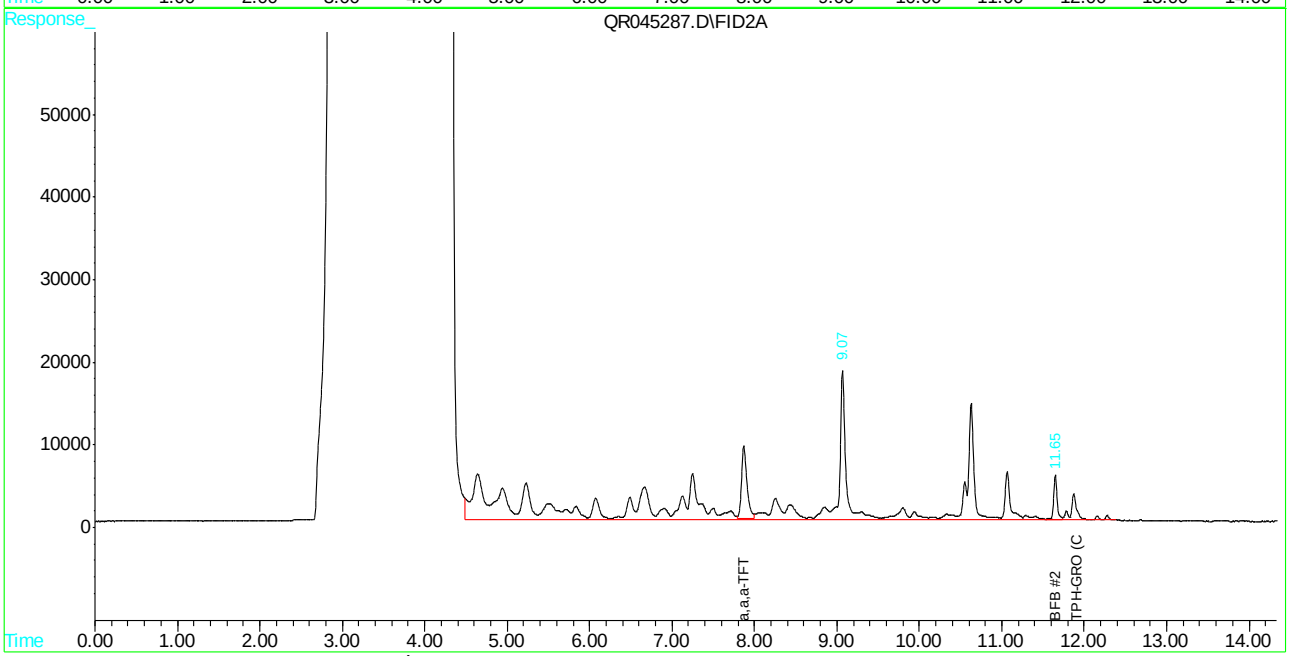
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\121608\QR045287.D\FID1B.CH Vial: 24
Signal #2 : C:\HPCHEM\1\DATA\121608\QR045287.D\FID2A.CH
Acq On : 16 Dec 2008 10:09 pm Operator: ArielH
Sample : ecc1952-3 Inst : VOA3
Misc : gc9255,gqr1968,5.00,,100,5.0,,soil Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: events2.e
Quant Time: Dec 17 9:19 2008 Quant Results File: 8015S-QR.RES

Quant Method : C:\HPCHEM\1\METHODS\8015S-QR.M (Chemstation Integrator)
Title : SW846 8015 TPH by GC-FID
Last Update : Wed Nov 26 15:28:06 2008
Response via : Multiple Level Calibration
DataAcq Meth : GRO-QR.M

Volume Inj. :
Signal #1 Phase : DB-VRX Signal #2 Phase: DB-VRX
Signal #1 Info : PID Signal #2 Info : FID





ACCUTEST Laboratories F61975

ACCUTEST LABORATORIES SE

DATE:	11/26/08
COLUMN TYPE:	Rtx DB VRX/624
DETECTOR:	PID/PID/FID
PURGE PRESSURE:	20 psi
METHANOL LOT #:	T32E79
ANALYST:	

GC VOA2-CD ANALYSIS LOG

METHODS:	8015 620
METHOD FILE:	8015S.CD
CALIB. DATE:	11/26/08
INSTRUMENT:	GCVOA2-CD
RUN ID:	GCD 3620/21

STANDARDS

Window Defining	V8827
ICAL/CCV	V8828
ISTD/SURR	V8826
ICV/QC	V8829
SIGNAL 1 SURR. AREA:	2355, 6341
SIGNAL 2 SURR. AREA:	692100, 501240

DATA FILE	SAMPLE ID, DIL.	Vial #	MATRIX	SAMPLE AMT.	MeOH Aliq.	ALS METHOD	ALS POSITION	ANALYTICAL METHOD	PH	CI ?	RR	COMMENTS
CD 085991	Window	N/A	S	5.0g	100µl	30	1	8015	[illegible]			all soil 0 50x /100µl MeOH
CD 92	IC3620-1						2					✓
CD 93	-2						3					✓
CD 94	-3						4					✓
CD 95	-4						5					✓
CD 96	-5						6					✓
CD 97	-6						7					✓
CD 98	ICV3620-3	—					8					✓ passed
CD 99	BS	—					9					✓
CD 86000	MB	—					10		✓			ND
CD 01	F61624-1	G 27/1(3) 3/4 vials		4.71	100µl		11		[illegible]			ND
CD 02	-2	37		4.90			12					ND
CD 03	-3	38		4.96			13					ND
CD 04	-4	39		4.71			14					ND
CD 05	-5	40		5.31			15					✓
CD 06	-6	41		5.36			16					ND
CD 07	-1MS	— 36		4.71			17					✓
CD 08	-1MSD	— 36		4.71			18					✓
CD 09	CC3620-3	—		5.00			19					✓ passed
CD 10	CCB	—					20					ND
CD 11	F61624-7	G 27 42		4.65			21		[illegible]			ND
CD 12	-8	43		5.03			22					ND
CD 13	-9	44		5.04			23					ND
CD 14	-10	45		5.35			24					ND
CD 15	-11	46		5.35			25					ND
CD 16	-12	47		4.99			26					ND
CD 17	-13	48		5.15			27					ND

Matrix: Designate "W" for Water, "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate

Analyst's Signature:

GCVOA2-CD_log.xls NF 11/06

ACCUTEST LABORATORIES SE

DATE:	11/26/08
COLUMN TYPE:	DB vrx / 624
DETECTOR:	PID/PID/FID
PURGE PRESSURE:	20psi
METHANOL LOT #:	622 E299
ANALYST:	

GC VOA2-CD ANALYSIS LOG

METHODS:	8015 GCD
METHOD FILE:	8015-CD
CALIB. DATE:	11/26/08
INSTRUMENT:	GCVOA2-CD
RUN ID:	GCD 3620/21

STANDARDS

Window Defining	V8827
ICAL/CCV	V8828
ISTD/SURR	V8824
ICV/QC	V8829
SIGNAL 1 SURR. AREA:	2357, 6361
SIGNAL 2 SURR. AREA:	697100, 501240

DATA FILE	SAMPLE ID, DIL.	Vial #	MATRIX	SAMPLE AMT.	MeOH Aliq.	ALS METHOD	ALS POSITION	ANALYTICAL METHOD	PH	CI ?	RR	COMMENTS
CD 18	-14	49	S	4.60	100µL	30	28	8015	5000A			ND
CD 19	Window	—		5g			29		—			✓
CD 20	CC3620-3	—					30					pass
CD 21	CCB	—					31		↓			ND
CD 22	F61624-15	50		4.55			32		5030A			ND
CD 23	-16	51		4.55			33					ND
CD 24	-27	52		4.57			34					ND
CD 25	-28	53		5.21			35					ND ✓
CD 26	-29	54		4.90			36					ND
CD 27	-30	55		4.58			37					ND
CD 28	-31	56		5.02			38					ND
CD 29	-32	57		4.90			39					ND
CD 30	-33	68		4.88			40					ND
CD 31	CC3620-4	—		5.00			41		—			✓
CD 32	F61624-35MS			4.90			42		5030A			Low S mspkd vials
CD 33	MB	—		5.00			43		—			ND w/ J's
CD 34	F61624-34	69		4.72			44		5030A			ND
CD 35	-35	70		4.90			45					ND
CD 36	-36	71		5.07			46					ND
CD 37	-37	84		4.62			47					ND
CD 38	-35MS			4.90			48					✓
CD 39	BS -35MS	—		5.00			49					✓
CD 40	CC3620-3	—					50		—			✓
CD 41	CCB	—					51					✓
CD 42	BS	—					1					✓
CD												
CD												

Matrix: Designate "W" for Water, "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate

Analyst's Signature:

GCVOA2-CD_log.xls NF 11/06

5035A SOIL PREP LOG

Serial #	Sample #	Vial Type or Vial Lot #	Tare Wt gram	Total Wt gram	Sample Wt gram	Date	Time	Initials	Container Type *	Comments
G2716	FG1622-7	M	~		6.35	11-19-08	11:50	CL	EN	in hold
17	7	M	~		6.26				↓	
18	8	W	—						TB	
19	8	W	—						↓	
20	8	M	—						↓	
21	FG1620-1	W	~		5.45				EN	"
22	1	W	~		5.46				↓	
23	1	M	~		5.31				↓	
24	1	M	~		5.33				↓	
25	2	W	~		5.37				↓	
26	2	W	~		3.16				↓	
27	2	M	~		4.20				↓	
28	2	M	~		5.74				↓	
29	3	W	~		5.76				↓	
30	3	W	~		5.88				↓	
31	3	M	~		5.77				↓	
32	3	M	~		5.47				↓	
33	4	W	—						TB	
34	4	W	—				↓	↓	↓	
35	4	M	—				11:15	CL	↓	
36	FG1624-1	M	~		4.71		13:20	CL	5030A	
37	2	M	~		4.90		1	1	↓	
38	3	M	~		4.96	↓	13:25	CL	↓	↓

Container Type: **PT** for pre-tared vials (field kits): **EN** for Encore or similar type: **5030A** for samples collected in jars or bulk containers: **SL** for core sleeve

Comment: **N/O** for no odor: **S/O** for slight odor: **OOH** for Out of Hold

Encore Comment: **C** for sampler incorrectly capped: **P** for plunger not locked: **F** for sampler not completely filled

5035 Soil Prep Log.xls NF rev 05/06

5035A SOIL PREP LOG

Serial #	Sample #	Vial Type or Vial Lot #	Tare Wt gram	Total Wt gram	Sample Wt gram	Date	Time	Initials	Container Type *	Comments
G2734	F61624-4	M AC1457			4.71	11-19-08	13:25	CL	5030A	in hold
40	5				5.31					
41	6				5.36					
42	7				4.65					
43	8				5.03					
44	9				5.04					
45	10				5.35					
46	11				5.35					
47	12				4.99					
48	13				5.15					
49	14				4.60					
50	15				4.55					
51	16				4.55					
52	17				5.33					
53	18				4.56					
54	19				4.96					
55	20				4.79					
56	21				4.63					
57	22				4.90					
58	23				4.80					
59	24				4.54					
60	25				4.76					
61	26				4.97		14:10	CL		

Container Type: PT for pre-tared vials (field kits): EN for Encore or similar type: 5030A for samples collected in jars or bulk containers: SL for core sleeve

Comment: N/O for no odor: S/O for slight odor: OOH for Out of Hold

Encore Comment: C for sampler incorrectly capped: P for plunger not locked: F for sampler not completely filled

5035 Soil Prep Log.xls NF rev 05/06

5035A SOIL PREP LOG

Serial #	Sample #	Vial Type or Vial Lot #	Tare Wt gram	Total Wt gram	Sample Wt gram	Date	Time	Initials	Container Type *	Comments
G2762	F61624-27	M 17C1457			4.57	11-19-08	1410	CL	5030A	in hold
G3	28				5.21					
G4	29				4.90					
G5	30				4.58					
G6	31				5.02					
G7	32				4.80					
G8	33				4.88					
G9	34				4.76					
70	35				4.90					
71	36				5.07					
72	F61625-1				5.33					
73	2				4.94					
74	3				4.74					
75	4				5.25					
76	5				4.90					
77	6				5.22					
78	7				4.85					
79	8				5.49					
80	9				4.86					
81	25				4.60					
82	26				4.67					
83	27				4.82		15:05	CL		
84	F61624-37	A<1457(M)			4.62	11/20/08	8:36	SH	5030A	IN

Container Type: PT for pre-tared vials (field kits): EN for Encore or similar type: 5030A for samples collected in jars or bulk containers: SL for core sleeve

Comment: N/O for no odor: S/O for slight odor: OOH for Out of Hold

Encore Comment: C for sampler incorrectly capped: P for plunger not locked: F for sampler not completely filled

5035 Soil Prep Log.xls NF rev 05/06

ACCUTEST LABORATORIES SE

DATE:	12-16-08
COLUMN TYPE:	DB 624
DETECTOR:	PID/PID/FID
PURGE PRESSURE:	18 psi
METHANOL LOT #:	G32E79
ANALYST:	NJ

GC VOA2-CD ANALYSIS LOG

METHODS:	8015
METHOD FILE:	8015S-CD
CALIB. DATE:	11-26-08
INSTRUMENT:	GCVOA2-CD
RUN ID:	GCD3636

STANDARDS

Window Defining	V8827
ICAL/CCV	V8828
ISTD/SURR	V8883
ICV/QC	V8856
SIGNAL 1 SURR. AREA:	~~1854477~~ 1973/5269
SIGNAL 2 SURR. AREA:	~~361686~~ 599220/416601

NJ 12-17-08

DATA FILE	SAMPLE ID, DIL.	Vial #	MATRIX	SAMPLE AMT.	MeOH Aliq.	ALS METHOD	ALS POSITION	ANALYTICAL METHOD	PH	CI ?	RR	COMMENTS
CD 086459	blank	NA	S	5.00g	100µl	29	1	8015	~	~	N	FID lit during run
CD 60	window						2					✓
CD 61	cc3620-3						3					BFB sig 1 fail low
CD 62	bs						4					✓
CD 63	mb						5				↓	ND
CD 64	F62063-2	G4413		5.62	5		6				50	✓ sur. fail
CD 65	F62060-2	G4344		6.02	100		7				500	gro ↑, surs, fail high
CD 66	-3	G4347		6.15			8				500	gro ↑, surs fail high
CD 67	-4	G4350		5.24			9				N	ND
CD 68	-5	G4353		6.08			10					ND
CD 69	-6	G4356		5.21			11					ND
CD 70	-7	G4359		5.34			12					ND
CD 71	-8	G4362		5.00			13					ND
CD 72	cc3620-3	NA		5.00			14					LFT sig 1 fail low
CD 73	ccb	↓		5.00			15					ND
CD 74	F61975-1	G3859		5.18			16					ND same as before
CD 75	-4	G3872		6.00			17					ND same as before
CD 76	-5	G3877		5.79			18					ND same as before
CD 77	-6	G3881		5.90			19					✓
CD 78	-7	G3884		5.05			20				↓	ND same as before
CD 79	F61903-5	G3634		5.32	↓		21				100	surs sig 2 fail high
CD 80	F62061-5	G4377		5.54	2.5		22		NJ 12-17-08		~~50~~	~~surs sig 2 fail high~~ ✓
CD 81	F62061-6	G4380		5.50	2.5		23				N	✓
CD 82	F61975-4MS	G3872		6.00	100		24					✓
CD 83	MSD	↓		↓			25					✓
CD 84	ccb	NA		5.08			26					✓
CD 85	cc3620-4			5.00			27					TFT sig 1 fail low
86	ccb	↓	↓	↓	↓	↓	28	↓	↓	↓	↓	ND Nat James

Matrix: Designate "W" for Water, "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate

Analyst's Signature:

GCVOA2-CD_log.xls NF 11/06

5035A SOIL PREP LOG

Serial #	Sample #	Vial Type or Vial Lot #	Tare Wt gram	Total Wt gram	Sample Wt gram	Date	Time	Initials	Container Type *	Comments
G3633	F61903-5	w AC1498			5.38	12-3-08	11:55	CL	EN	in hold
34	5	M AC1457			5.32					
35	5	M			5.37					
36	6	W			5.53					
37	6	W			5.18					
38	6	M			5.11					
39	6	M			5.31					
40	7	W							TB	
41	7	W								
42	7	M					12:10	CL		
43	F61904-1	W			6.78		12:55	CL	EN	
44	1	W			5.93					
45	1	M			5.98					
46	1	M			6.15					
47	2	W			5.75					
48	2	W			5.81					
49	2	M			5.62					
50	2	M			5.62					
51	3	W			5.66					
52	3	W			5.66					
53	3	M			5.51					
54	3	M			5.43					
55	4	W			5.99		13:13	CL		

Container Type: **PT** for pre-tared vials (field kits): **EN** for Encore or similar type: **5030A** for samples collected in jars or bulk containers: **SL** for core sleeve

Comment: **N/O** for no odor: **S/O** for slight odor: **OOH** for Out of Hold

Encore Comment: **C** for sampler incorrectly capped: **P** for plunger not locked: **F** for sampler not completely filled

5035 Soil Prep Log.xls NF rev 05/06

5035A SOIL PREP LOG

Serial #	Sample #	Vial Type or Vial Lot #	Tare Wt gram	Total Wt gram	Sample Wt gram	Date	Time	Initials	Container Type *	Comments
G3840	F61976-3	M AC1457			5.14	12-5-08	11:15	CL	EN	in hold
41	3	M			5.24					
42	4	W AC1498			4.79					
43	4	W			5.41					
44	4	M			5.14					
45	4	M			5.35					
46	5	W			5.70					
47	5	W			5.58					
48	5	M			5.13					
49	5	M			5.22					
50	6	W			5.63					
51	6	W			5.35					
52	6	M			5.40					
53	6	M			5.56					
54	7	W							TB	
55	7	W								
56	7	M							EN	
57	F61975-1	W			5.48					
58	1	W			5.39					
59	1	M			5.18					
60	1	M			5.37					
62	2	W			5.93					
63	2	W			6.10		11:50	CL		

ontainer Type: **PT** for pre-tared vials (field kits): **EN** for Encore or similar type: **5030A** for samples collected in jars or bulk containers: **SL** for core sleeve
omment: **N/O** for no odor: **S/O** for slight odor: **OOH** for Out of Hold
Encore Comment: **C** for sampler incorrectly capped: **P** for plunger not locked: **F** for sampler not completely filled

5035 Soil Prep Log.xls NF rev 05/06

5035A SOIL PREP LOG

Serial #	Sample #	Vial Type or Vial Lot #	Tare Wt gram	Total Wt gram	Sample Wt gram	Date	Time	Initials	Container Type *	Comments
G3864	F61975-2	M AC1457			6.09	12-5-08	11:55	CL	en	in hold
G3865	2	M			5.98					
66	3	W AC1498			5.96					
67	3	W			6.06					
68	3	M			5.70					
69	3	M			5.60					
70	4	W			5.89					
71	4	W			5.90					
72	4	M			6.00					
73	4	M			5.18					
74	5	W			6.11					
75	5	W			5.58					
76	5	M			5.76					
77	5	M			5.79					
78	6	W			5.62					
79	6	W			5.53					
80	6	M			5.41					
81	6	M			5.90					
82	7	W			5.64					
83	7	W			5.30					
84	7	M			5.05					
85	7	M			5.31					
86	8	W					12:15	CL	TB	

Container Type: **PT** for pre-tared vials (field kits): **EN** for Encore or similar type: **5030A** for samples collected in jars or bulk containers: **SL** for core sleeve

Comment: **N/O** for no odor: **S/O** for slight odor: **OOH** for Out of Hold

Encore Comment: **C** for sampler incorrectly capped: **P** for plunger not locked: **F** for sampler not completely filled

5035A SOIL PREP LOG

Serial #	Sample #	Vial Type or Vial Lot #	Tare Wt gram	Total Wt gram	Sample Wt gram	Date	Time	Initials	Container Type *	Comments
G4324	F62057-4	W AC1498			5.97	12/9/08	12:55	SB	EN	In P
25		W			5.69					
26		M AC1457			5.72					
27	F62057-5	W			6.08					
28		W			5.47					
29		M			5.95					
30	F62057-6	W			6.20					
31		W			6.36					
32		M			6.28		13:15			
33	F62060-1	W			5.85		13:16			OOH - In dry ice
34		W			6.13					
35		M			5.72					
36		W			5.63					
37		W			5.70					
38		M			5.71					
39		W			5.76					
40		W			5.79					
41		M			5.97					
42	F62060-2	W			5.67					
43		W			5.31					
44		M			6.02					
45	F62060-3	W			6.04					
46		W			5.85		13:45			

Container Type: **PT** for pre-tared vials (field kits): **EN** for Encore or similar type: **5030A** for samples collected in jars or bulk containers: **SL** for core sleeve

Comment: **N/O** for no odor: **S/O** for slight odor: **OOH** for Out of Hold

Encore Comment: **C** for sampler incorrectly capped: **P** for plunger not locked: **F** for sampler not completely filled

5035 Soil Prep Log.xls NF rev 05/06

5035A SOIL PREP LOG

Serial #	Sample #	Vial Type or Vial Lot #	Tare Wt gram	Total Wt gram	Sample Wt gram	Date	Time	Initials	Container Type *	Comments
G4347	F62060-3	M AC1457			6.15	12/09/08	14:45	SB	EN	OOH - on Dry ice
48	F62060-4	W AC1498			5.16					
49	↓	W			5.27					
50	↓	M			5.24					
51	F62060-5	W			5.80					
52	↓	W			5.89					
53	↓	M			6.08					
54	F62060-6	W			5.35					
55	↓	W			4.85					
56	↓	M			5.21					
57	F62060-7	W			5.32					
58	↓	W			5.56					
59	↓	M			5.34					
60	F62060-8	W							Trip Blanks	
61	↓	W							↓	
62	↓	M							↓	
63	F62061-1	W			5.55				EN	
64	↓	W			5.68				↓	
65	↓	M			5.40				↓	
66	F62061-2	W			5.40				↓	
67	↓	W			5.00				↓	
68	↓	M			5.13				↓	F
69	F62061-3	W			5.40		15:34		↓	

Container Type: PT for pre-tared vials (field kits): EN for Encore or similar type: 5030A for samples collected in jars or bulk containers: SL for core sleeve

Comment: N/O for no odor: S/O for slight odor: OOH for Out of Hold

Encore Comment: C for sampler incorrectly capped: P for plunger not locked: F for sampler not completely filled

5035 Soil Prep Log.xls NF rev 05/06

5035A SOIL PREP LOG

Serial #	Sample #	Vial Type or Vial Lot #	Tare Wt gram	Total Wt gram	Sample Wt gram	Date	Time	Initials	Container Type *	Comments
G4370	F62061-3	W AC1498			5.68	12/09/08	15:34	SB	EN	OOH - on Dry Ice
71	↓	M AC1457			5.46					
72	F62061-4	W			5.74					
73	↓	W			5.63					
74	↓	M			5.53					
75	F62061-5	W			5.51					
76	↓	W			5.61					
77	↓	M			5.54					
78	F62061-6	W			5.00					
79	↓	W			5.55					
80	↓	M			5.50					
81	F62061-7	W			5.90					
82	↓	W			5.80					
83	↓	M			5.81					
84	F62061-8	W							Trip Blank	
85	↓	W							↓	
86	↓	M					15:55			
87	F62066-1	W			6.25		16:04		EN	In
88	↓	W			5.95		↓		↓	↓
89	↓	M			5.95					
90	F62066-2	W			5.64					
91	↓	W			5.33					
92	↓	M			5.61		16:15			

Container Type: PT for pre-tared vials (field kits): EN for Encore or similar type: 5030A for samples collected in jars or bulk containers: SL for core sleeve

Comment: N/O for no odor: S/O for slight odor: OOH for Out of Hold

Encore Comment: C for sampler incorrectly capped: P for plunger not locked: F for sampler not completely filled

5035 Soil Prep Log.xls NF rev 05/06

Accutest Laboratories SF

5035A SOIL PREP LOG

Serial #	Sample #	Vial Type or Vial Lot #	Tare Wt gram	Total Wt gram	Sample Wt gram	Date	Time	Initials	Container Type *	Comments
G4393	F62066-3	W AC1496			5.98	12/09/08	17 14:19	SB	EN	In
94		W			5.98					
95		M AC1457			5.79					
96	F62066-4	W			5.34					
97		W			5.54					
98		M			5.58					
99	F62066-5	W			5.74					
G4400		W			5.88					
01		M			5.52					
02	F62066-6	W			6.04					
03		W			5.78					
04		M			5.95					
05	F62066-7	W							Trip Blanks	
06		W								
07		M								
08	F62063-1	W			5.64				EN	OOH - on Dry Ice
09		W			6.02					
10		M			5.87					
11	F62063-2	W			5.88					
12		W			5.77					
13		M			5.62					
14	F62063-3	W			2.32					
15		W			5.53		17 14:50			

Container Type: **PT** for pre-tared vials (field kits): **EN** for Encore or similar type: **5030A** for samples collected in jars or bulk containers: **SL** for core sleeve

Comment: **N/O** for no odor: **S/O** for slight odor: **OOH** for Out of Hold

Encore Comment: **C** for sampler incorrectly capped: **P** for plunger not locked: **F** for sampler not completely filled

5035 Soil Prep Log.xls NF rev 05/06

ACCUTEST LABORATORIES SE

DATE:	11/26/08
COLUMN TYPE:	RTX-502.5
DETECTOR:	PID/FID
PURGE PRESSURE:	22 PSI
METHANOL LOT #:	E22E25
ANALYST:	Arul H

GC VOA3-QR ANALYSIS LOG

METHODS:	8015
METHOD FILE:	8015S-QR.m
CALIB. DATE:	11/26/08
INSTRUMENT:	GCVOA3-QR
RUN ID:	GQR 1952

STANDARDS

Window Defining	V8774	10/07/08
ICAL/CCV	V8761	12/03/08
ISTD/SURR	V8813 V8762	12/03/08 11/26/08
ICV/QC	V8820	12/24/08
SIGNAL 1 SURR. AREA:	14952 / 342-57	
SIGNAL 2 SURR. AREA:	464790 / 171675	

DATA FILE	SAMPLE ID, DIL.	Vial #	MATRIX	SAMPLE AMT.	MeOH Aliq.	ALS METHOD	ALS POSITION	ANALYTICAL METHOD	PH	CI ?	RR	COMMENTS
QR 044851	BK	-	S	5.00	100	30	1	8015	N/A	N/A	N	ND
QR 52	WINDOW	-					2					✓
QR 53	IC1952-1	-					3					✓
QR 54	IC1952-2	-					4					✓
QR 55	IC1952-3	-					5					✓
QR 56	ICC1952-4						6					✓
QR 57	IC1952-5	-					7					✓
QR 58	IC1952-6	-					8					✓
QR 59	ICV1952-3	-					9					PASSED
QR 60	BS	-					10					✓
QR 61	MB	-		5.00			11					ND 5030A IN
QR 62	F61624-17	G2752		5.33			12					ND
QR 63	-18	G2753		4.56			13					ND
QR 64	-19	G2754		4.96			14					ND
QR 65	-20	G2755		4.79			15				↓	ND
QR 66	-21	G2756		4.63			16				N	ND
QR 67	-22	G2757		4.90			17				Yes	J Value
QR 68	-23	G2758		4.80			18				N	ND
QR 69	-24	G2759		4.54			19				Yes	J Value
QR 70	CC1952-3	-		5.00			20				N	PASSED
QR 71	CCB	-		5.00			21				↓	J Value
QR 72	F61624-25	G2760		4.76			22					ND
QR 73	-26	G2761		4.97			23					ND
QR 74	-17MS	G2752		5.33			24					✓
QR 75	-17MSD	G2752		5.33			25					✓
QR 76	ECC1952-3	-		5.00	↓		26					PASSED
QR 77	ECB	-	↓	5.00	100	↓	27	↓	↓	↓	↓	ND

GC 12/08 AH 11/26/08

Matrix: Designate "W" for Water, "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate

Analyst's Signature: Arul Hunter

5035A SOIL PREP LOG

Serial #	Sample #	Vial Type or Vial Lot #	Tare Wt gram	Total Wt gram	Sample Wt gram	Date	Time	Initials	Container Type *	Comments
G2739	F61624-4	M AC1457			4.71	11-19-08	13:35	CL	5030A	in hold
40	5				5.31					
41	6				5.36					
42	7				4.65					
43	8				5.03					
44	9				5.04					
45	10				5.35					
46	11				5.35					
47	12				4.99					
48	13				5.15					
49	14				4.60					
50	15				4.55					
51	16				4.55					
52	17				5.33					
53	18				4.56					
54	19				4.96					
55	20				4.79					
56	21				4.63					
57	22				4.90					
58	23				4.80					
59	24				4.54					
60	25				4.76					
61	26				4.97		14:10	CL		

Container Type: **PT** for pre-tared vials (field kits): **EN** for Encore or similar type: **5030A** for samples collected in jars or bulk containers: **SL** for core sleeve

Comment: **N/O** for no odor: **S/O** for slight odor: **OOH** for Out of Hold

Encore Comment: **C** for sampler incorrectly capped: **P** for plunger not locked: **F** for sampler not completely filled

5035 Soil Prep Log.xls NF rev 05/06

ACCUTEST LABORATORIES SE

DATE:	12/16/08
COLUMN TYPE:	RTX 502.5
DETECTOR:	PID/FID
PURGE PRESSURE:	22 PSI
METHANOL LOT #:	G3E179
ANALYST:	Ariel H.

GC VOA3-QR ANALYSIS LOG

METHODS:	8015
METHOD FILE:	8015.prm
CALIB. DATE:	11/26/08
INSTRUMENT:	GCVOA3-QR
RUN ID:	GQR 1968

STANDARDS

Window Defining	V8862	1/08/09
ICAL/CCV	V8852	1/04/09
ISTD/SURR	V8841	1/02/09
ICV/QC	V8876	1/12/09
SIGNAL 1 SURR. AREA:	15913/32752	
SIGNAL 2 SURR. AREA:	413469/150472	

DATA FILE	SAMPLE ID, DIL.	Vial #	MATRIX	SAMPLE AMT.	MeOH Aliq.	ALS METHOD	ALS POSITION	ANALYTICAL METHOD	PH	CI ?	RR N	COMMENTS
	045264	BLK										ND
AH 12/16/08 QR	045265	WINDOW	-	S	5.00	100	30	1 2	8015	N/A	N/A	✓
QR	66	CC1952.4	-					2 3				PASSED
QR	67	BS	-					3 4				✓
QR	68	MB	-		5.00	100		4 5				ND
QR	69	F61975-2, 2000X	G3864		6.09	2.5		5 6				✓ GC9255
QR	70	3, 500X	G3868		5.70	10		6 7				✓ GC9255
QR	71	F61976-2	G3837		5.17	100		7 8			Yes	HIGH GC9251
QR	72	F61934-2	G3787		5.61	100		8 9			N	J Value GC9251
QR	73	F61932-8, 250X	G3738		5.63	2		9 10				✓ GC9242
QR	74	CC1952.3	-		5.00	100		10 11				PASSED
QR	75	CCB	-		5.00	100		11 12				ND
QR	76	F61976-2, 200X	G3837		5.17	25	12/16/08	12 13				✓ GC9251
QR	77	F61903-4, 50X	G3631		5.81	100		13 14				ND GC9251
QR	78	-4, 50X	G3631		5.81	10		14 15				ND
QR	79	BLK	-		5.00	100		15 16				ND
QR	80	F61903-5, 500X	G3634		5.32	10		16 17				J Value GC9251
QR	81	5, 50X	G3634		5.32	100		17 18				✓
QR	82	BLK	-		5.00	100		18 19				ND
QR AH 12/16/08	83	CC1952.34	-					19 20				PASSED
QR	84	CCB	-					20 21				ND
QR	85	F61976-2MS, 200X	G3837		5.17	25		21 22				✓
QR	86	-2MSD, 200X	G3837		5.17	25		22 23				✓
QR	87	ECC1952.3	-		5.00	100		23 24				PASSED
QR	88	ECB	-		5.00	100		24 25				ND
QR							AH 12/16/08	25				
QR									AH 12/16/08			
QR												

Matrix: Designate "W" for Water, "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate

Analyst's Signature:

GCVOA3-QR_log.xls NF 11/06

5035A SOIL PREP LOG

Serial #	Sample #	Vial Type or Vial Lot #	Tare Wt gram	Total Wt gram	Sample Wt gram	Date	Time	Initials	Container Type *	Comments
G3864	F61975-2	M AC1457			6.09	12-5-08	11:55	CL	en	i/n hold
G3865	2	M			5.98					
66	3	W AC1498			5.96					
67	3	W			6.06					
68	3	M			5.70					
69	3	M			5.60					
70	4	W			5.89					
71	4	W			5.90					
72	4	M			6.00					
73	4	M			5.18					
74	5	W			6.11					
75	5	W			5.58					
76	5	M			5.76					
77	5	M			5.79					
78	6	W			5.62					
79	6	W			5.53					
80	6	M			5.41					
81	6	M			5.90					
82	7	W			5.64					
83	7	W			5.30					
84	7	M			5.05					
85	7	M			5.31					
86	8	W					12:15	CL	TB	

Container Type: PT for pre-tared vials (field kits): EN for Encore or similar type: 5030A for samples collected in jars or bulk containers: SL for core sleeve

Comment: N/O for no odor: S/O for slight odor: OOH for Out of Hold

Encore Comment: C for sampler incorrectly capped: P for plunger not locked: F for sampler not completely filled

5035 Soil Prep Log.xls NF rev 05/06

5035A SOIL PREP LOG

Serial #	Sample #	Vial Type or Vial Lot #	Tare Wt gram	Total Wt gram	Sample Wt gram	Date	Time	Initials	Container Type *	Comments
G3817	FG1961-3	M	29.92	34.15	4.23	~~10~~12-5-08	10:45	CL	PT	frzn in
18	4	W	31.31	35.14	3.83					12-5-08 8:26
19	4	W	31.35	37.05	5.70					
20	4	M	29.97	33.95	3.98					
21	FG1963-2	W	31.45	36.65	5.20					
22	2	W	31.70	36.60	4.90					
23	2	M	29.84	34.83	4.99					
24	3	W	31.64	36.84	5.20					
25	3	W	31.64	36.64	5.00					
26	3	M	29.99	34.73	4.74					
27	4	W							TB	
28	4	W								
29	4	M								
30	FG1976-1	W HC1498			4.99				EN	in hold
31	1	W			4.72					
32	1	M HC1457			4.98					
33	1	M			5.13					
34	2	W			5.40					
35	2	W			5.27					
36	2	M			5.23					
37	2	M			5.17					
38	3	W			5.36					
39	3	W			5.33		11:15	CL		

Container Type: **PT** for pre-tared vials (field kits): **EN** for Encore or similar type: **5030A** for samples collected in jars or bulk containers: **SL** for core sleeve

Comment: **N/O** for no odor: **S/O** for slight odor: **OOH** for Out of Hold

Encore Comment: **C** for sampler incorrectly capped: **P** for plunger not locked: **F** for sampler not completely filled

5035 Soil Prep Log.xls NF rev 05/06

5035A SOIL PREP LOG

Serial #	Sample #	Vial Type or Vial Lot #	Tare Wt gram	Total Wt gram	Sample Wt gram	Date	Time	Initials	Container Type *	Comments
G3771	F61886-1	W AC 1498			6.32	12/04/08	14:05	SB	EN	In Hold
72	↓	M AC 1457			6.11					
73	F61936-2	W			6.33					P
74	↓	W			5.65					↓
75	↓	M			6.06					
76	F61934-1	W			5.59					
77	↓	W			5.76					
78	↓	M			5.23					
79	↓	W			5.55					
80	↓	W			5.66					
81	↓	M			5.69					
82	↓	W			5.57					
83	↓	W			5.62		↓			
84	↓	M			6.07		14:35			
85	F61934-2	W			5.48		14:42			
86	↓	W			5.78		↓			
87	↓	M			5.61					
88	F61934-3	W			5.57					
89	↓	W			5.42					
90	↓	M			5.47					
91	F61934-4	W			5.44					
92	↓	W			5.49					
93	↓	M			5.33		15:05			

Container Type: **PT** for pre-tared vials (field kits): **EN** for Encore or similar type: **5030A** for samples collected in jars or bulk containers: **SL** for core sleeve

Comment: **N/O** for no odor: **S/O** for slight odor: **OOH** for Out of Hold

Encore Comment: **C** for sampler incorrectly capped: **P** for plunger not locked: **F** for sampler not completely filled

5035 Soil Prep Log.xls NF rev 05/06

5035A SOIL PREP LOG

Serial #	Sample #	Vial Type or Vial Lot #	Tare Wt gram	Total Wt gram	Sample Wt gram	Date	Time	Initials	Container Type *	Comments
G3725	F61931-2	W	31.26	34.93	3.67	12/04/08	11:40	SB	PT	In Hold
26		W	30.90	34.40	3.50					
27		M	29.88	33.38	3.56					
28	F61931-3	W	31.59	34.49	2.90					
29		W	31.52	33.84	2.32					
30		M	29.79	31.58	1.79					
31	F61931-4	W	31.47	34.11	2.64					
32		W	31.32	33.81	2.49					
33		M	29.93	32.82	2.89					
34	F61931-5	W	31.38	34.66	3.28					
35		W	31.67	34.04	2.37					
36		M	29.87	32.80	2.93					
37	F61931-6	W	31.54	34.47	2.93					
38		W	31.50	33.74	2.24					
39		M	29.87	31.97	2.10					
40	F61932-1	W 1498			5.57				EN	
41		W			5.53					
42		M 1457			5.56					
43	F61932-2	W			5.33					
44		W			5.45					
45		M			5.31					
46	F61932-3	W			5.60					
47		W			5.37		12:08			

Container Type: PT for pre-tared vials (field kits): EN for Encore or similar type: 5030A for samples collected in jars or bulk containers: SL for core sleeve

Comment: N/O for no odor: S/O for slight odor: OOH for Out of Hold

Encore Comment: C for sampler incorrectly capped: P for plunger not locked: F for sampler not completely filled

5035 Soil Prep Log.xls NF rev 05/06

5035A SOIL PREP LOG

Serial #	Sample #	Vial Type or Vial Lot #	Tare Wt gram	Total Wt gram	Sample Wt gram	Date	Time	Initials	Container Type *	Comments
G3610	FG1902-4	w AC1498			5.54	12-3-08	11:23	CL	en	in hold
11	4	m AC1457			5.78					
12	4	m			5.48					
13	5	w							TB	
14	5	w								
15	5	m								
16	FG1903-1	w			5.84				en	
17	1	w			5.72					
18	1	m			5.58					
19	1	m			5.61					
20	2	w			4.96					
21	2	w			5.70					
22	2	m			5.81					
23	2	m			5.46					
24	3	w			5.33					
25	3	w			5.26					
26	3	m			5.36					
27	3	m			5.40					
28	4	w			5.87					
29	4	w			5.89					
30	4	m			5.93					
31	4	m			5.81					
32	5	w			5.22		11:55	CL		

Container Type: **PT** for pre-tared vials (field kits): **EN** for Encore or similar type: **5030A** for samples collected in jars or bulk containers: **SL** for core sleeve

Comment: **N/O** for no odor: **S/O** for slight odor: **OOH** for Out of Hold

Encore Comment: **C** for sampler incorrectly capped: **P** for plunger not locked: **F** for sampler not completely filled

5035 Soil Prep Log.xls NF rev 05/06

5035A SOIL PREP LOG

Serial #	Sample #	Vial Type or Vial Lot #	Tare Wt gram	Total Wt gram	Sample Wt gram	Date	Time	Initials	Container Type *	Comments
G3633	F61903-5	w AC1498			5.38	12-3-08	11:55	CL	EN	in hold
34	5	M AC1457			5.32					
35	5	M			5.37					
36	6	W			5.53					
37	6	W			5.18					
38	6	M			5.11					
39	6	M			5.31					
40	7	W							TB	
41	7	W								
42	7	M					12:10	CL		
43	F61904-1	W			6.78		12:55	CL	EN	
44	1	W			5.93					
45	1	M			5.98					
46	1	M			6.15					
47	2	W			5.75					
48	2	W			5.81					
49	2	M			5.62					
50	2	M			5.62					
51	3	W			5.66					
52	3	W			5.66					
53	3	M			5.51					
54	3	M			5.43					
55	4	W			5.99		13:13	CL		

Container Type: **PT** for pre-tared vials (field kits): **EN** for Encore or similar type: **5030A** for samples collected in jars or bulk containers: **SL** for core sleeve

Comment: **N/O** for no odor: **S/O** for slight odor: **OOH** for Out of Hold

Encore Comment: **C** for sampler incorrectly capped: **P** for plunger not locked: **F** for sampler not completely filled

5035 Soil Prep Log.xls NF rev 05/06

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27388-MB	LL24505.D	1	12/12/08	NY	12/09/08	OP27388	GLL913

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61975-1, F61975-2, F61975-3, F61975-4, F61975-5, F61975-6, F61975-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	86%	49-108%

Method Blank Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27388-MB	LL24565.D	1	12/17/08	NY	12/09/08	OP27388	GLL916

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61975-1, F61975-2, F61975-3, F61975-4, F61975-5, F61975-6, F61975-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	80%	49-108%

Blank Spike Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27388-BS	LL24504.D	1	12/12/08	NY	12/09/08	OP27388	GLL913

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61975-1, F61975-2, F61975-3, F61975-4, F61975-5, F61975-6, F61975-7

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	28.1	84	64-102
	TPH (> C22-C36)	33.3	32.5	98	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	83%	49-108%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27388-MS	LL24521.D	1	12/13/08	NY	12/09/08	OP27388	GLL913
OP27388-MSD	LL24522.D	1	12/13/08	NY	12/09/08	OP27388	GLL913
F61934-1	LL24517.D	1	12/12/08	NY	12/09/08	OP27388	GLL913

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61975-1, F61975-2, F61975-3, F61975-4, F61975-5, F61975-6, F61975-7

CAS No.	Compound	F61934-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		41.3	31.0	75	33.8	81	9	64-102/32
	TPH (> C22-C36)	ND		41.3	35.0	85	39.1	94	11	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F61934-1	Limits
84-15-1	o-Terphenyl	77%	82%	79%	49-108%

Semivolatile Surrogate Recovery Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Method: SW846 8015 M **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]
F61975-1	LL24526.D	76.0
F61975-2	LL24527.D	77.0
F61975-3	LL24528.D	76.0
F61975-4	LL24529.D	79.0
F61975-5	LL24530.D	76.0
F61975-6	LL24533.D	74.0
F61975-7	LL24534.D	80.0
OP27388-BS	LL24504.D	83.0
OP27388-MB	LL24505.D	86.0
OP27388-MB	LL24565.D	80.0
OP27388-MS	LL24521.D	77.0
OP27388-MSD	LL24522.D	82.0

Surrogate Compounds	Recovery Limits
S1 = o-Terphenyl	49-108%

(a) Recovery from GC signal #1

GC Surrogate Retention Time Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Check Std:	GLL913-CC911	**Injection Date:**	12/12/08
Lab File ID:	LL24495.D	**Injection Time:**	12:32
Instrument ID:	GCLL	**Method:**	SW846 8015 M

	S1 [a] **RT**
Check Std	6.54

Lab Sample ID	**Lab File ID**	**Date Analyzed**	**Time Analyzed**	**S1** [a] **RT**
OP27370-MB	LL24497.D	12/12/08	14:21	6.53
ZZZZZZ	LL24498.D	12/12/08	14:45	6.53
ZZZZZZ	LL24499.D	12/12/08	15:09	6.53
ZZZZZZ	LL24500.D	12/12/08	15:32	6.53
OP27426-BS	LL24501.D	12/12/08	15:56	6.53
OP27426-MB	LL24502.D	12/12/08	16:32	6.53
ZZZZZZ	LL24503.D	12/12/08	16:55	6.53
OP27388-BS	LL24504.D	12/12/08	17:19	6.53
OP27388-MB	LL24505.D	12/12/08	17:43	6.53
ZZZZZZ	LL24506.D	12/12/08	18:06	6.53

Surrogate Compounds

S1 = o-Terphenyl

(a) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Check Std:	GLL913-CC911	**Injection Date:**	12/12/08
Lab File ID:	LL24519.D	**Injection Time:**	23:14
Instrument ID:	GCLL	**Method:**	SW846 8015 M

	S1 [a] **RT**
Check Std	6.53

Lab Sample ID	**Lab File ID**	**Date Analyzed**	**Time Analyzed**	**S1** [a] **RT**
OP27388-MS	LL24521.D	12/13/08	00:01	6.53
OP27388-MSD	LL24522.D	12/13/08	00:25	6.53
ZZZZZZ	LL24523.D	12/13/08	00:49	6.53
ZZZZZZ	LL24524.D	12/13/08	01:12	6.53
ZZZZZZ	LL24525.D	12/13/08	01:36	6.53
F61975-1	LL24526.D	12/13/08	02:00	6.53
F61975-2	LL24527.D	12/13/08	02:23	6.53
F61975-3	LL24528.D	12/13/08	02:47	6.53
F61975-4	LL24529.D	12/13/08	03:11	6.53
F61975-5	LL24530.D	12/13/08	03:34	6.53

Surrogate Compounds

S1 = o-Terphenyl

(a) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Check Std:	GLL913-CC911	**Injection Date:**	12/13/08
Lab File ID:	LL24531.D	**Injection Time:**	03:58
Instrument ID:	GCLL	**Method:**	SW846 8015 M

	S1 [a] **RT**
Check Std	6.53

Lab Sample ID	**Lab File ID**	**Date Analyzed**	**Time Analyzed**	**S1** [a] **RT**
F61975-6	LL24533.D	12/13/08	04:45	6.53
F61975-7	LL24534.D	12/13/08	05:09	6.53
GLL913-ECC911	LL24535.D	12/13/08	05:33	6.53

Surrogate Compounds

S1 = o-Terphenyl

(a) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Check Std:	GLL916-ICC916	**Injection Date:**	12/17/08
Lab File ID:	LL24560.D	**Injection Time:**	11:13
Instrument ID:	GCLL	**Method:**	SW846 8015 M

	S1 [a] **RT**
Check Std	6.52

Lab Sample ID	**Lab File ID**	**Date Analyzed**	**Time Analyzed**	**S1** [a] **RT**
OP27388-MB	LL24565.D	12/17/08	13:18	6.52
ZZZZZZ	LL24566.D	12/17/08	13:42	6.52
ZZZZZZ	LL24567.D	12/17/08	14:06	6.52
OP27393-BS	LL24568.D	12/17/08	14:30	6.52
OP27393-MB	LL24569.D	12/17/08	14:53	6.52
ZZZZZZ	LL24570.D	12/17/08	15:17	6.52
ZZZZZZ	LL24571.D	12/17/08	15:41	6.52
ZZZZZZ	LL24572.D	12/17/08	16:04	6.52
ZZZZZZ	LL24573.D	12/17/08	16:28	6.52
ZZZZZZ	LL24574.D	12/17/08	16:52	6.52

Surrogate Compounds

S1 = o-Terphenyl

(a) Retention time from GC signal #1

Initial Calibration Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample: GLL911-ICC911
Lab FileID: LL24432.D

Response Factor Report FID 4

Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Wed Dec 10 12:27:51 2008
Response via : Initial Calibration

Calibration Files
100 =LL24429.D 250 =LL24430.D 500 =LL24431.D 1000=LL24432.D
1500 =LL24433.D 2000 =LL24434.D

	Compound	100	250	500	1000	1500	2000	Avg	%RSD
1) S	O-TERPHENYL	3.351	3.496	3.541	3.481	3.470	3.410	3.458 E4	1.96
2) H	TPH (C10-C28)	3.844	3.846	3.820	3.730	3.733	3.671	3.774 E4	1.92
3) H	TPH (C10-C22)	3.435	3.311	3.331	3.230	3.230	3.190	3.288 E4	2.72
4) H	TPH (>C28-C40)	1.521	1.543	1.464	1.474	1.346	1.290	1.440 E4	6.96
5) H	TPH (>C22-C36)	1.867	1.923	1.788	1.780	1.676	1.578	1.769 E4	7.11
6) H	TPH (C10-C40)	2.784	2.786	2.674	2.604	2.549	2.477	2.646 E4	4.76

(#) = Out of Range

FDRO_OIL.M Thu Dec 11 09:53:54 2008

Initial Calibration Verification

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample: GLL911-ICV911
Lab FileID: LL24435.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\1210DROO\LL24435.D Vial: 8
Acq On : 10 Dec 2008 12:29 pm Operator: natalyay
Sample : icv911-1000 Inst : FID 4
Misc : OP27325,GLL911,30.0,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e

Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Wed Dec 10 12:27:51 2008
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1 S	O-TERPHENYL		----------NA----------				
2 H	TPH (C10-C28)	1000.000	987.286	1.3	100	0.00	3.52- 8.87
3 H	TPH (C10-C22)	1000.000	947.086	5.3	96	0.00	3.47- 7.39
4 H	TPH (>C28-C40)	1000.000	1002.774	-0.3	98	0.00	8.87-14.92
5 H	TPH (>C22-C36)	1000.000	1053.609	-5.4	105	0.00	7.39-11.57
6 H	TPH (C10-C40)	2000.000	1966.854	1.7	100	0.00	3.47-14.88

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LL24432.D FDRO_OIL.M Thu Dec 11 09:17:48 2008

Continuing Calibration Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample: GLL913-CC911
Lab FileID: LL24495.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\1212DROO\LL24495.D Vial: 2
Acq On : 12 Dec 2008 12:32 pm Operator: natalyay
Sample : cc911-1000 Inst : FID 4
Misc : OP27370,GLL913,1000,,,1,1,water Multiplr: 1.00
IntFile : autoint1.e

Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Thu Dec 11 15:27:34 2008
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	S	O-TERPHENYL	100.000	109.760	-9.8	109	0.00	6.44- 6.64
2	H	TPH (C10-C28)	1000.000	1107.194	-10.7	112	0.00	3.52- 8.87
3	H	TPH (C10-C22)	1000.000	1102.285	-10.2	112	0.00	3.47- 7.39
4	H	TPH (>C28-C40)	1000.000	1019.425	-1.9	100	0.00	8.87-14.92
5	H	TPH (>C22-C36)	1000.000	1039.245	-3.9	103	0.00	7.39-11.57
6	H	TPH (C10-C40)	2000.000	2135.239	-6.8	108	0.00	3.47-14.88

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LL24432.D FDRO_OIL.M Tue Dec 16 12:27:07 2008

Continuing Calibration Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample: GLL913-CC911
Lab FileID: LL24507.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\1212DROO\LL24507.D Vial: 14
Acq On : 12-12-08 06:30:18 PM Operator: natalyay
Sample : cc911-1000 Inst : FID 4
Misc : OP27388,GLL913,30.2,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e

Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Thu Dec 11 15:27:34 2008
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1 S	O-TERPHENYL	100.000	100.374	-0.4	100	0.00	6.44- 6.64
2 H	TPH (C10-C28)	1000.000	1004.427	-0.4	102	0.00	3.52- 8.87
3 H	TPH (C10-C22)	1000.000	998.287	0.2	102	0.00	3.47- 7.39
4 H	TPH (>C28-C40)	1000.000	980.711	1.9	96	0.00	8.87-14.92
5 H	TPH (>C22-C36)	1000.000	1007.015	-0.7	100	0.00	7.39-11.57
6 H	TPH (C10-C40)	2000.000	1970.443	1.5	100	0.00	3.47-14.88

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LL24432.D FDRO_OIL.M Tue Dec 16 12:27:08 2008

Continuing Calibration Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample: GLL913-CC911
Lab FileID: LL24519.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\1212DROO\LL24519.D Vial: 14
Acq On : 12 Dec 2008 11:14 pm Operator: natalyay
Sample : cc911-1000 Inst : FID 4
Misc : OP27388,GLL913,30.6,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e

Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Thu Dec 11 15:27:34 2008
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	S	O-TERPHENYL	100.000	92.168	7.8	92	0.00	6.44- 6.64
2	H	TPH (C10-C28)	1000.000	959.096	4.1	97	0.00	3.52- 8.87
3	H	TPH (C10-C22)	1000.000	968.392	3.2	99	0.00	3.47- 7.39
4	H	TPH (>C28-C40)	1000.000	880.725	11.9	86	0.00	8.87-14.92
5	H	TPH (>C22-C36)	1000.000	882.314	11.8	88	0.00	7.39-11.57
6	H	TPH (C10-C40)	2000.000	1848.926	7.6	94	0.00	3.47-14.88

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LL24432.D FDRO_OIL.M Tue Dec 16 12:27:09 2008

Continuing Calibration Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample: GLL913-CC911
Lab FileID: LL24531.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\1212DROO\LL24531.D Vial: 35
Acq On : 12-13-08 03:58:19 AM Operator: natalyay
Sample : cc911-500 Inst : FID 4
Misc : OP27388,GLL913,30.8,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e

Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Thu Dec 11 15:27:34 2008
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	S	O-TERPHENYL	50.000	47.285	5.4	92	0.00	6.44- 6.64
2	H	TPH (C10-C28)	500.000	495.551	0.9	98	0.00	3.52- 8.87
3	H	TPH (C10-C22)	500.000	501.538	-0.3	99	0.00	3.47- 7.39
4	H	TPH (>C28-C40)	500.000	453.122	9.4	89	0.00	8.87-14.92
5	H	TPH (>C22-C36)	500.000	456.525	8.7	90	0.00	7.39-11.57
6	H	TPH (C10-C40)	1000.000	969.418	3.1	96	0.00	3.47-14.88

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LL24431.D FDRO_OIL.M Tue Dec 16 12:26:24 2008

Continuing Calibration Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample: GLL913-ECC911
Lab FileID: LL24535.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\1212DROO\LL24535.D Vial: 35
Acq On : 12-13-08 05:33:09 AM Operator: natalyay
Sample : ecc911-500 Inst : FID 4
Misc : OP27388,GLL913,30.6,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e

Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Thu Dec 11 15:27:34 2008
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	S	O-TERPHENYL	50.000	50.546	-1.1	99	0.00	6.44- 6.64
2	H	TPH (C10-C28)	500.000	510.539	-2.1	101	0.00	3.52- 8.87
3	H	TPH (C10-C22)	500.000	508.821	-1.8	100	0.00	3.47- 7.39
4	H	TPH (>C28-C40)	500.000	566.391	-13.3	111	0.00	8.87-14.92
5	H	TPH (>C22-C36)	500.000	554.163	-10.8	110	0.00	7.39-11.57
6	H	TPH (C10-C40)	1000.000	1042.532	-4.3	103	0.00	3.47-14.88

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LL24431.D FDRO_OIL.M Tue Dec 16 12:26:25 2008

Initial Calibration Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample: GLL916-ICC916
Lab FileID: LL24560.D

Response Factor Report FID 4

Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Wed Dec 17 12:53:14 2008
Response via : Initial Calibration

Calibration Files
100 =LL24557.D 250 =LL24558.D 500 =LL24559.D 1000=LL24560.D
1500 =LL24561.D 2000 =LL24562.D

	Compound	100	250	500	1000	1500	2000	Avg		%RSD
1) S	O-TERPHENYL	3.576	3.561	3.638	3.492	3.548	3.733	3.591	E4	2.34
2) H	TPH (C10-C28)	3.459	3.576	3.606	3.463	3.517	3.698	3.553	E4	2.60
3) H	TPH (C10-C22)	3.022	3.071	3.097	2.946	2.996	3.149	3.047	E4	2.42
4) H	TPH (>C28-C40)	1.588	1.718	1.825	1.821	1.885	2.070	1.818	E4	8.90
5) H	TPH (>C22-C36)	1.869	1.983	2.044	2.002	2.049	2.225	2.029	E4	5.74
6) H	TPH (C10-C40)	2.627	2.672	2.703	2.632	2.692	2.889	2.703	E4	3.56

(#) = Out of Range

FDRO_OIL.M Thu Dec 18 13:42:25 2008

Initial Calibration Verification

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample: GLL916-ICV916
Lab FileID: LL24563.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\1217DROO\LL24563.D Vial: 8
Acq On : 17 Dec 2008 12:27 pm Operator: natalyay
Sample : icv916-1000 Inst : FID 4
Misc : OP27388,GLL916,30.0,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e

Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Wed Dec 17 12:53:14 2008
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	S	O-TERPHENYL	----------	NA	----------			
2	H	TPH (C10-C28)	1000.000	1008.909	-0.9	104	0.00	3.52- 8.87
3	H	TPH (C10-C22)	1000.000	962.955	3.7	100	0.00	3.47- 7.39
4	H	TPH (>C28-C40)	1000.000	1058.618	-5.9	106	0.00	8.87-14.92
5	H	TPH (>C22-C36)	1000.000	1086.482	-8.6	110	0.00	7.39-11.57
6	H	TPH (C10-C40)	2000.000	2048.419	-2.4	105	0.00	3.47-14.88

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LL24560.D FDRO_OIL.M Thu Dec 18 13:42:48 2008

Continuing Calibration Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample: GLL916-CC916
Lab FileID: LL24575.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\1217DROO\LL24575.D Vial: 20
Acq On : 12-17-08 05:16:10 PM Operator: natalyay
Sample : cc916-1000 Inst : FID 4
Misc : OP27393,GLL916,30.6,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e

Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Wed Dec 17 12:53:14 2008
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	S	O-TERPHENYL	50.000	49.595	0.8	102	0.00	6.42- 6.62
2	H	TPH (C10-C28)	1000.000	999.063	0.1	103	0.00	3.52- 8.87
3	H	TPH (C10-C22)	1000.000	992.703	0.7	103	0.00	3.47- 7.39
4	H	TPH (>C28-C40)	1000.000	980.812	1.9	98	0.00	8.87-14.92
5	H	TPH (>C22-C36)	1000.000	998.279	0.2	101	0.00	7.39-11.57
6	H	TPH (C10-C40)	2000.000	1982.140	0.9	102	0.00	3.47-14.88

(#) = Out of Range SPCC's out = 0 CCC's out = 0
LL24560.D FDRO_OIL.M Thu Dec 18 13:42:49 2008

GC Semi-volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1212DROO\LL24526.D Vial: 30
Acq On : 12-13-08 02:00:04 AM Operator: natalyay
Sample : f61975-1 Inst : FID 4
Misc : OP27388,GLL913,30.6,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 15 09:31:03 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Thu Dec 11 15:27:34 2008
Response via : Initial Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S O-TERPHENYL	6.53	1307186	37.801 PPM
Spiked Amount 50.000	Range 49 - 108	Recovery =	75.60%
Target Compounds			
2) H TPH (C10-C28)	6.51	337814	8.951 PPM
3) H TPH (C10-C22)	5.00	200657	6.103 PPM
4) H TPH (>C28-C40)	11.00	303761	21.101 PPM
5) H TPH (>C22-C36)	9.00	324476	18.344 PPM
6) H TPH (C10-C40)	7.39	772138	29.184 PPM

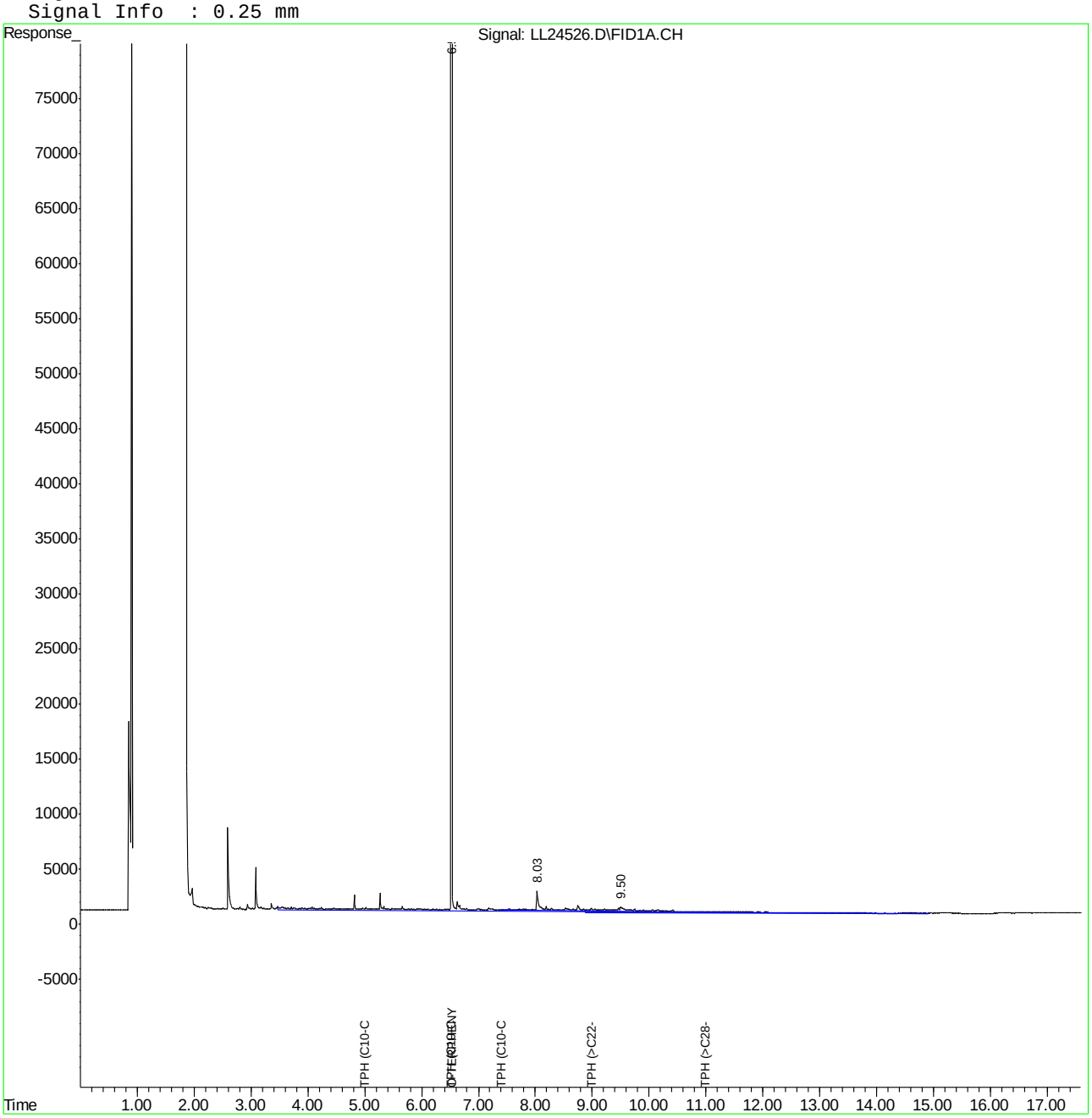
(f)=RT Delta > 1/2 Window (m)=manual int.
LL24526.D FDRO_OIL.M Tue Dec 16 12:25:06 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1212DROO\LL24526.D Vial: 30
Acq On : 12-13-08 02:00:04 AM Operator: natalyay
Sample : f61975-1 Inst : FID 4
Misc : OP27388,GLL913,30.6,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 15 9:31 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Thu Dec 11 15:27:34 2008
Response via : Multiple Level Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1212DROO\LL24527.D Vial: 31
Acq On : 12-13-08 02:23:38 AM Operator: natalyay
Sample : f61975-2 Inst : FID 4
Misc : OP27388,GLL913,30.0,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 15 09:31:08 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Thu Dec 11 15:27:34 2008
Response via : Initial Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S O-TERPHENYL	6.53	1327748	38.396 PPM
Spiked Amount 50.000	Range 49 - 108	Recovery =	76.79%
Target Compounds			
2) H TPH (C10-C28)	6.51	986776	26.145 PPM
3) H TPH (C10-C22)	5.00	701518	21.337 PPM
4) H TPH (>C28-C40)	11.00	375931	26.114 PPM
5) H TPH (>C22-C36)	9.00	419636	23.724 PPM
6) H TPH (C10-C40)	7.39	1443144	54.545 PPM

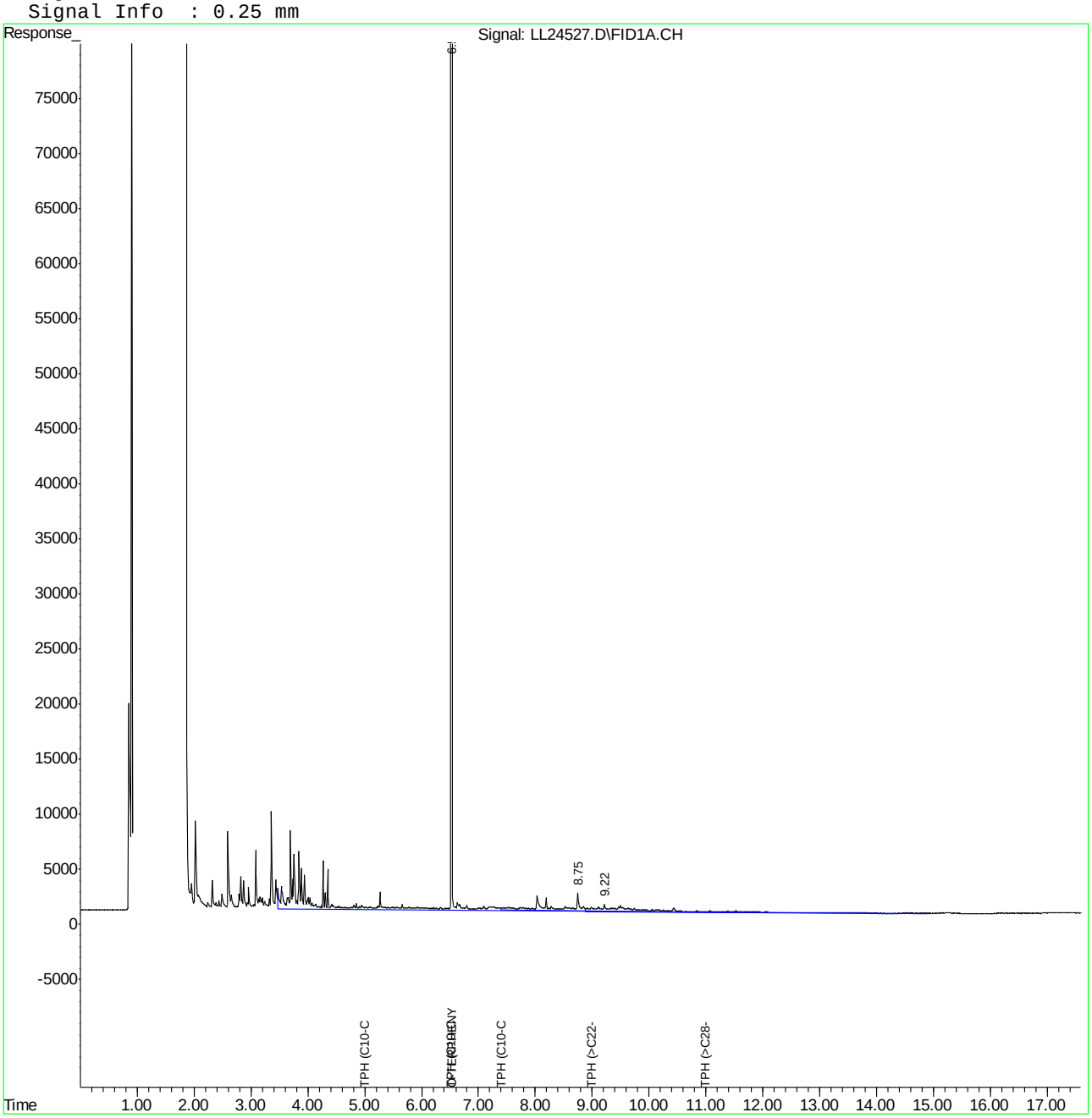
(f)=RT Delta > 1/2 Window (m)=manual int.
LL24527.D FDRO_OIL.M Tue Dec 16 12:25:09 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1212DROO\LL24527.D Vial: 31
Acq On : 12-13-08 02:23:38 AM Operator: natalyay
Sample : f61975-2 Inst : FID 4
Misc : OP27388,GLL913,30.0,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 15 9:31 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Thu Dec 11 15:27:34 2008
Response via : Multiple Level Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1212DROO\LL24528.D Vial: 32
Acq On : 12-13-08 02:47:16 AM Operator: natalyay
Sample : f61975-3 Inst : FID 4
Misc : OP27388,GLL913,30.9,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 15 09:31:13 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Thu Dec 11 15:27:34 2008
Response via : Initial Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S O-TERPHENYL	6.53	1308848	37.849 PPM
Spiked Amount 50.000	Range 49 - 108	Recovery =	75.70%
Target Compounds			
2) H TPH (C10-C28)	6.51	1303568	34.539 PPM
3) H TPH (C10-C22)	5.00	1049481	31.920 PPM
4) H TPH (>C28-C40)	11.00	396006	27.508 PPM
5) H TPH (>C22-C36)	9.00	416635	23.554 PPM
6) H TPH (C10-C40)	7.39	1822984	68.901 PPM

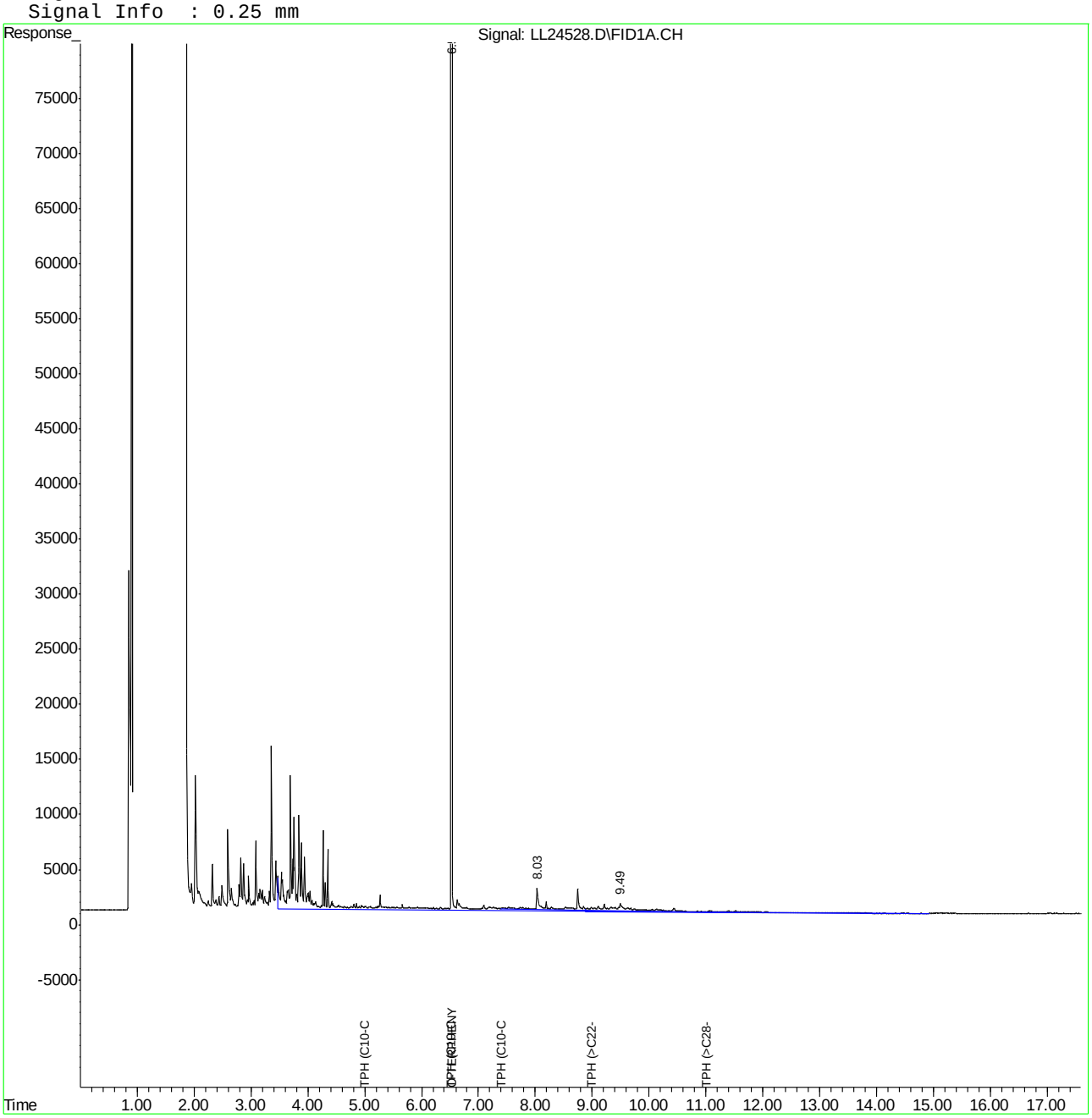
(f)=RT Delta > 1/2 Window (m)=manual int.
LL24528.D FDRO_OIL.M Tue Dec 16 12:25:12 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1212DROO\LL24528.D Vial: 32
Acq On : 12-13-08 02:47:16 AM Operator: natalyay
Sample : f61975-3 Inst : FID 4
Misc : OP27388,GLL913,30.9,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 15 9:31 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Thu Dec 11 15:27:34 2008
Response via : Multiple Level Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm



Manual Integrations APPROVED (compounds with "m" flag)
Mark Erstling
12/16/08 17:23

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1212DROO\LL24529.D Vial: 33
Acq On : 12-13-08 03:11:02 AM Operator: natalyay
Sample : f61975-4 Inst : FID 4
Misc : OP27388,GLL913,30.2,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 15 09:31:18 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Thu Dec 11 15:27:34 2008
Response via : Initial Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S O-TERPHENYL	6.53	1374331	39.743	PPM	m
Spiked Amount 50.000	Range 49 - 108	Recovery = 79.49%			
Target Compounds					
2) H TPH (C10-C28)	6.51	426301	11.295	PPM	
3) H TPH (C10-C22)	5.00	245835	7.477	PPM	
4) H TPH (>C28-C40)	11.00	408266	28.360	PPM	
5) H TPH (>C22-C36)	9.00	340714	19.262	PPM	
6) H TPH (C10-C40)	7.39	863136	32.623	PPM	

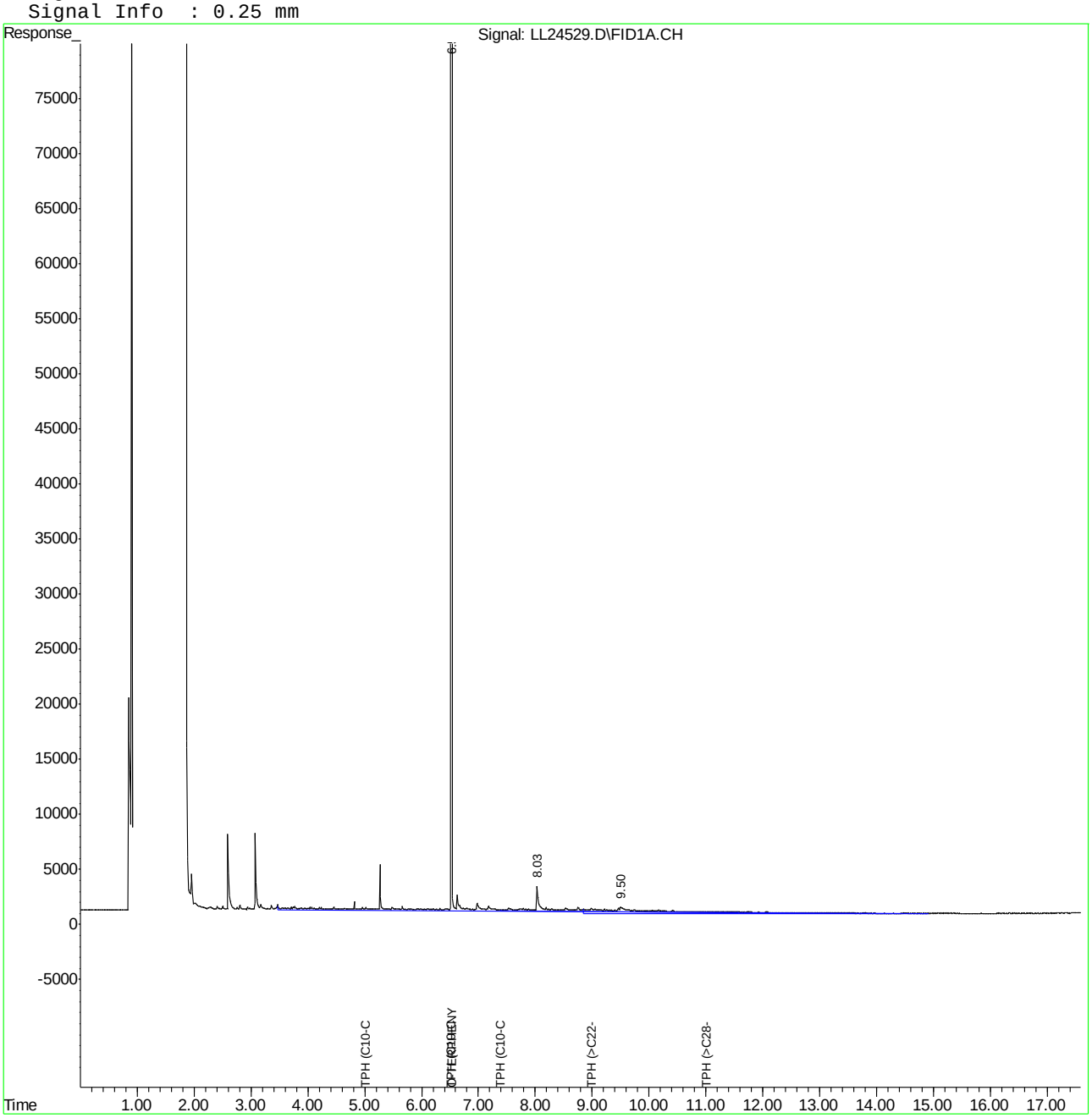
(f)=RT Delta > 1/2 Window (m)=manual int.
LL24529.D FDRO_OIL.M Tue Dec 16 12:25:15 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1212DROO\LL24529.D Vial: 33
Acq On : 12-13-08 03:11:02 AM Operator: natalyay
Sample : f61975-4 Inst : FID 4
Misc : OP27388,GLL913,30.2,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 15 10:13 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Thu Dec 11 15:27:34 2008
Response via : Multiple Level Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1212DROO\LL24530.D Vial: 34
Acq On : 12-13-08 03:34:43 AM Operator: natalyay
Sample : f61975-5 Inst : FID 4
Misc : OP27388,GLL913,30.8,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 15 09:31:23 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Thu Dec 11 15:27:34 2008
Response via : Initial Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S O-TERPHENYL	6.53	1320370	38.183 PPM
Spiked Amount 50.000	Range 49 - 108	Recovery =	76.37%
Target Compounds			
2) H TPH (C10-C28)	6.51	423675	11.226 PPM
3) H TPH (C10-C22)	5.00	236370	7.189 PPM
4) H TPH (>C28-C40)	11.00	352206	24.466 PPM
5) H TPH (>C22-C36)	9.00	364955	20.632 PPM
6) H TPH (C10-C40)	7.39	906814	34.274 PPM

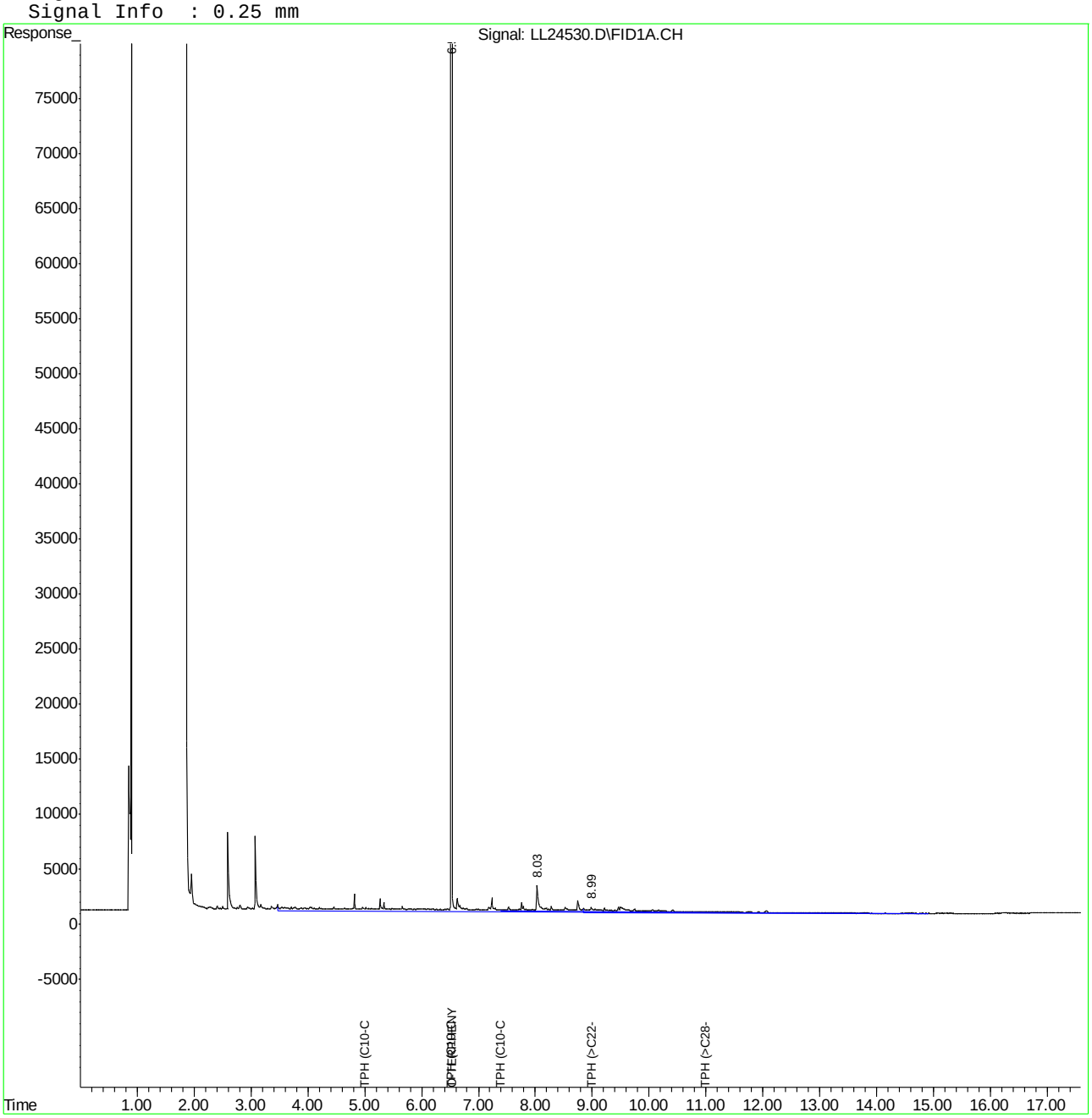
(f)=RT Delta > 1/2 Window (m)=manual int.
LL24530.D FDRO_OIL.M Tue Dec 16 12:25:18 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1212DROO\LL24530.D Vial: 34
Acq On : 12-13-08 03:34:43 AM Operator: natalyay
Sample : f61975-5 Inst : FID 4
Misc : OP27388,GLL913,30.8,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 16 12:11 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Thu Dec 11 15:27:34 2008
Response via : Multiple Level Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm



Manual Integrations APPROVED (compounds with "m" flag)
Mark Erstling 12/16/08 17:23

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1212DROO\LL24533.D Vial: 37
Acq On : 12-13-08 04:45:44 AM Operator: natalyay
Sample : f61975-6 Inst : FID 4
Misc : OP27388,GLL913,30.3,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 15 09:31:38 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Thu Dec 11 15:27:34 2008
Response via : Initial Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S O-TERPHENYL	6.53	1273237	36.820	PPM	m
Spiked Amount 50.000	Range 49 - 108	Recovery = 73.64%			
Target Compounds					
2) H TPH (C10-C28)	6.51	389077	10.309	PPM	
3) H TPH (C10-C22)	5.00	226371	6.885	PPM	
4) H TPH (>C28-C40)	11.00	318820	22.147	PPM	
5) H TPH (>C22-C36)	9.00	373464	21.113	PPM	
6) H TPH (C10-C40)	7.39	876013	33.110	PPM	

10.1.6 10

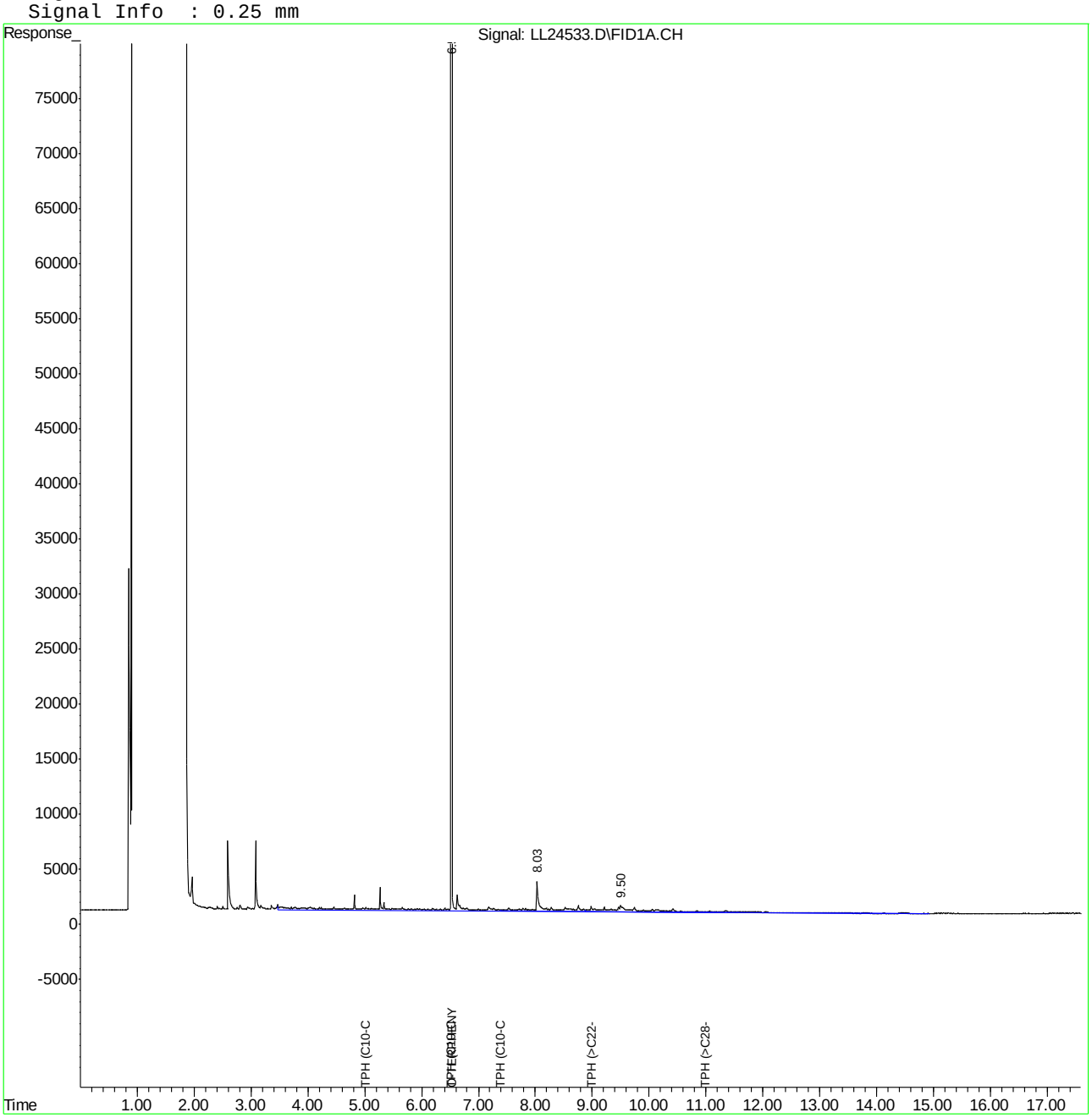
(f)=RT Delta > 1/2 Window (m)=manual int.
LL24533.D FDRO_OIL.M Tue Dec 16 12:25:27 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1212DROO\LL24533.D Vial: 37
Acq On : 12-13-08 04:45:44 AM Operator: natalyay
Sample : f61975-6 Inst : FID 4
Misc : OP27388,GLL913,30.3,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 16 12:17 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Thu Dec 11 15:27:34 2008
Response via : Multiple Level Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1212DROO\LL24534.D Vial: 38
Acq On : 12-13-08 05:09:24 AM Operator: natalyay
Sample : f61975-7 Inst : FID 4
Misc : OP27388,GLL913,30.6,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 15 09:31:43 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Thu Dec 11 15:27:34 2008
Response via : Initial Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S O-TERPHENYL	6.53	1374699	39.754 PPM
Spiked Amount 50.000	Range 49 - 108	Recovery =	79.51%
Target Compounds			
2) H TPH (C10-C28)	6.51	480077	12.720 PPM
3) H TPH (C10-C22)	5.00	293544	8.928 PPM
4) H TPH (>C28-C40)	11.00	290244	20.162 PPM
5) H TPH (>C22-C36)	9.00	352838	19.947 PPM
6) H TPH (C10-C40)	7.39	985833	37.260 PPM

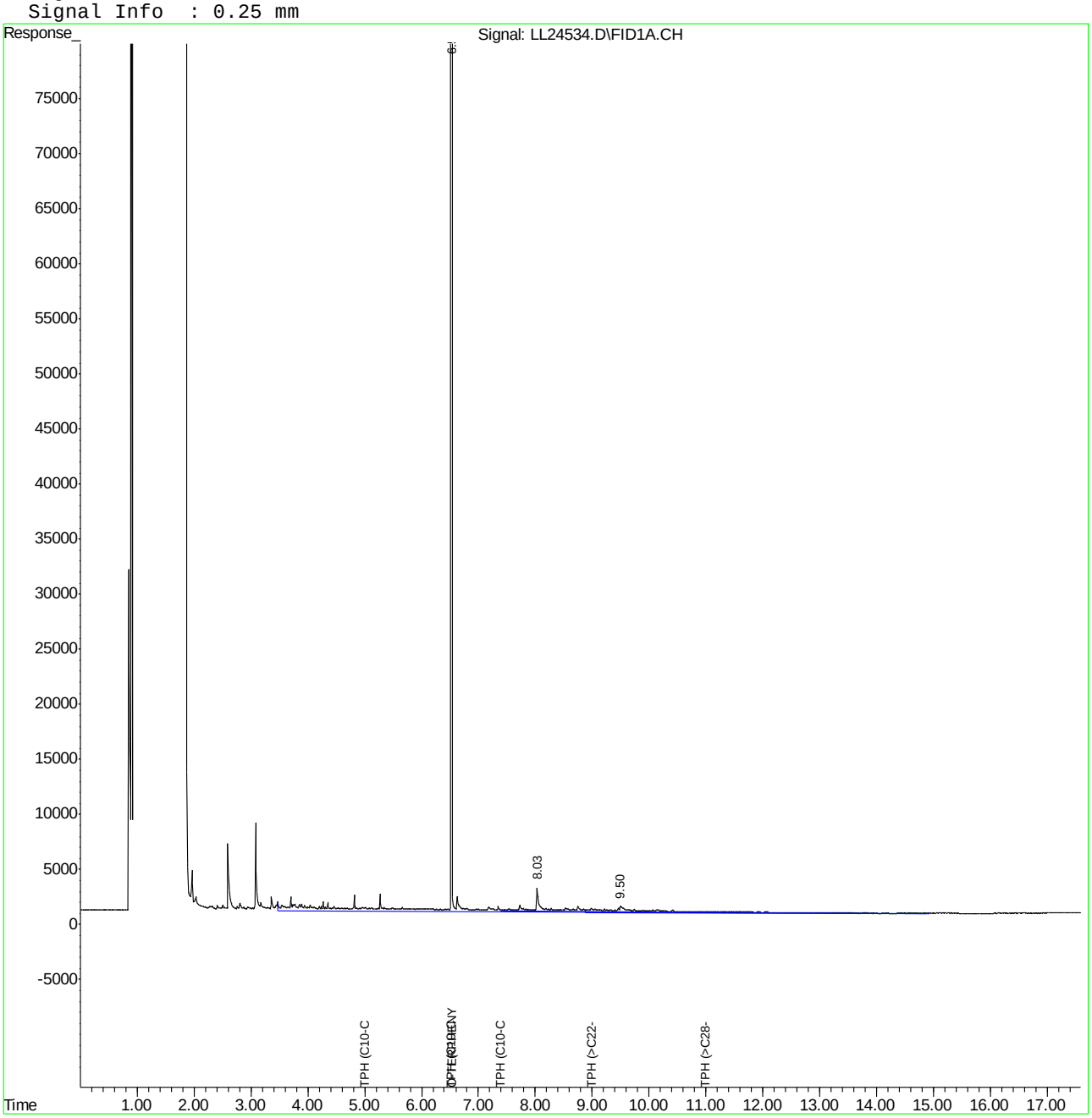
(f)=RT Delta > 1/2 Window (m)=manual int.
LL24534.D FDRO_OIL.M Tue Dec 16 12:25:30 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1212DROO\LL24534.D Vial: 38
Acq On : 12-13-08 05:09:24 AM Operator: natalyay
Sample : f61975-7 Inst : FID 4
Misc : OP27388,GLL913,30.6,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 15 9:31 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Thu Dec 11 15:27:34 2008
Response via : Multiple Level Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1212DROO\LL24505.D Vial: 12
Acq On : 12-12-08 05:43:04 PM Operator: natalyay
Sample : op27388-mb Inst : FID 4
Misc : OP27388,GLL913,30.0,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 15 09:29:34 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Thu Dec 11 15:27:34 2008
Response via : Initial Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S O-TERPHENYL	6.53	1491655	43.136 PPM
Spiked Amount 50.000	Range 49 - 108	Recovery =	86.27%
Target Compounds			
2) H TPH (C10-C28)	6.51	437527	11.593 PPM
3) H TPH (C10-C22)	5.00	293497	8.927 PPM
4) H TPH (>C28-C40)	11.00	388201	26.966 PPM
5) H TPH (>C22-C36)	9.00	474069	26.801 PPM
6) H TPH (C10-C40)	7.39	1069110	40.408 PPM

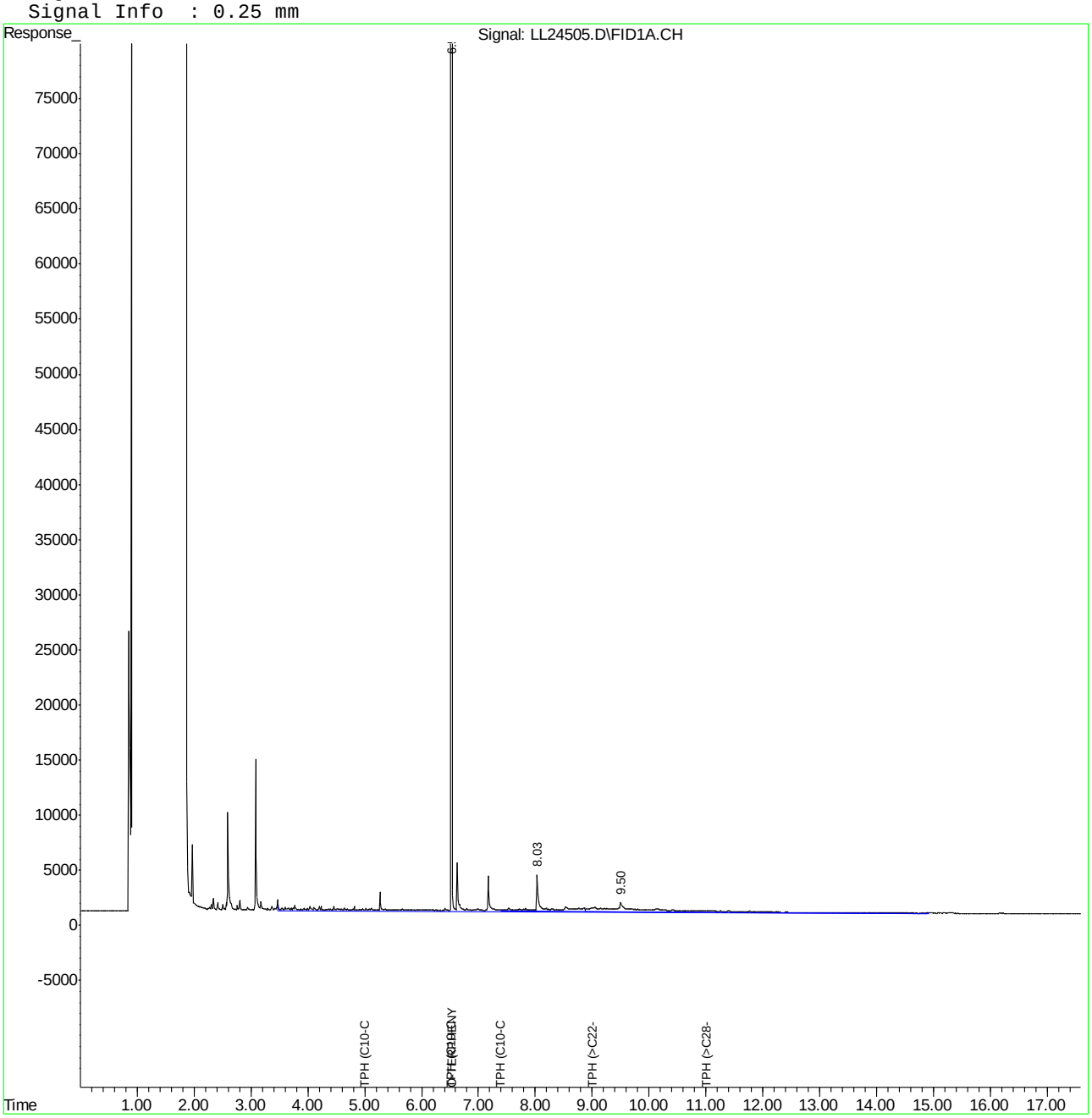
(f)=RT Delta > 1/2 Window (m)=manual int.
LL24505.D FDRO_OIL.M Tue Dec 16 12:24:03 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1212DROO\LL24505.D Vial: 12
Acq On : 12-12-08 05:43:04 PM Operator: natalyay
Sample : op27388-mb Inst : FID 4
Misc : OP27388,GLL913,30.0,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 15 9:29 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Thu Dec 11 15:27:34 2008
Response via : Multiple Level Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm



ACCUTEST Laboratories F61975

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1217DROO\LL24565.D Vial: 10
Acq On : 12-17-08 01:18:41 PM Operator: natalyay
Sample : op27388-mb Inst : FID 4
Misc : OP27388,GLL916,30.0,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 18 09:04:08 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Wed Dec 17 12:53:14 2008
Response via : Initial Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S O-TERPHENYL	6.52	1437283	40.022 PPM
Spiked Amount 50.000	Range 49 - 108	Recovery =	80.04%
Target Compounds			
2) H TPH (C10-C28)	6.51	364679	10.263 PPM
3) H TPH (C10-C22)	5.00	271017	8.895 PPM
4) H TPH (>C28-C40)	11.00	312686	17.199 PPM
5) H TPH (>C22-C36)	9.00	358784	17.686 PPM
6) H TPH (C10-C40)	7.39	924187	34.197 PPM

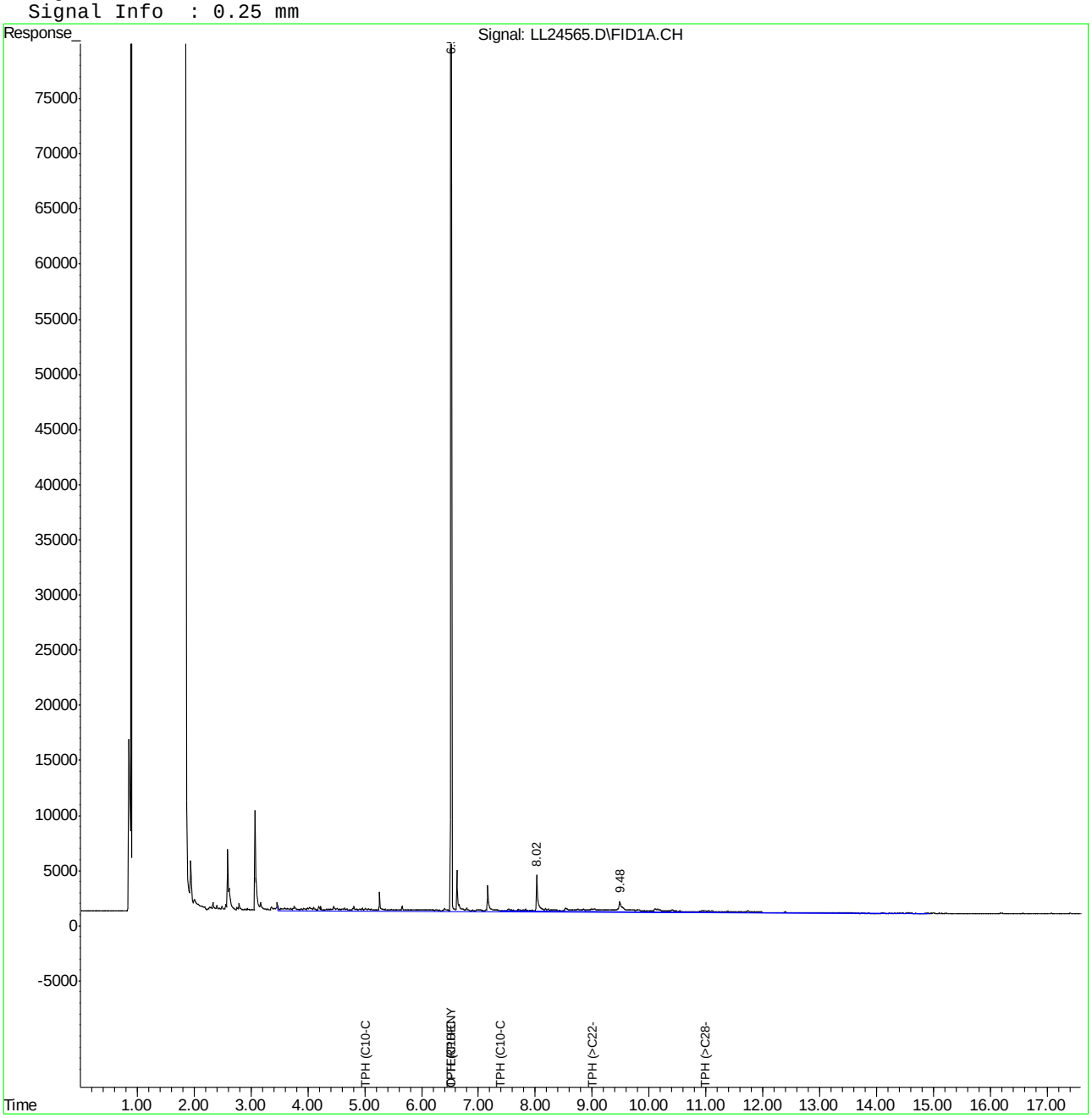
(f)=RT Delta > 1/2 Window (m)=manual int.
LL24565.D FDRO_OIL.M Thu Dec 18 13:40:28 2008 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1217DROO\LL24565.D Vial: 10
Acq On : 12-17-08 01:18:41 PM Operator: natalyay
Sample : op27388-mb Inst : FID 4
Misc : OP27388,GLL916,30.0,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 18 9:04 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Wed Dec 17 12:53:14 2008
Response via : Multiple Level Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm



ACCUTEST Laboratories F61975

Manual Integrations APPROVED (compounds with "m" flag)
Mark Erstling 12/16/08 17:23

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1212DROO\LL24504.D Vial: 11
Acq On : 12-12-08 05:19:18 PM Operator: natalyay
Sample : op27388-bs Inst : FID 4
Misc : OP27388,GLL913,30.0,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 15 09:29:30 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Thu Dec 11 15:27:34 2008
Response via : Initial Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S O-TERPHENYL	6.53	1437824	41.579	PPM	m
Spiked Amount 50.000	Range 49 - 108	Recovery = 83.16%			
Target Compounds					
2) H TPH (C10-C28)	6.51	33556585	889.105	PPM	
3) H TPH (C10-C22)	5.00	27743910	843.838	PPM	
4) H TPH (>C28-C40)	11.00	13341165	926.734	PPM	
5) H TPH (>C22-C36)	9.00	17254406	975.465	PPM	
6) H TPH (C10-C40)	7.39	46857025	1770.995	PPM	

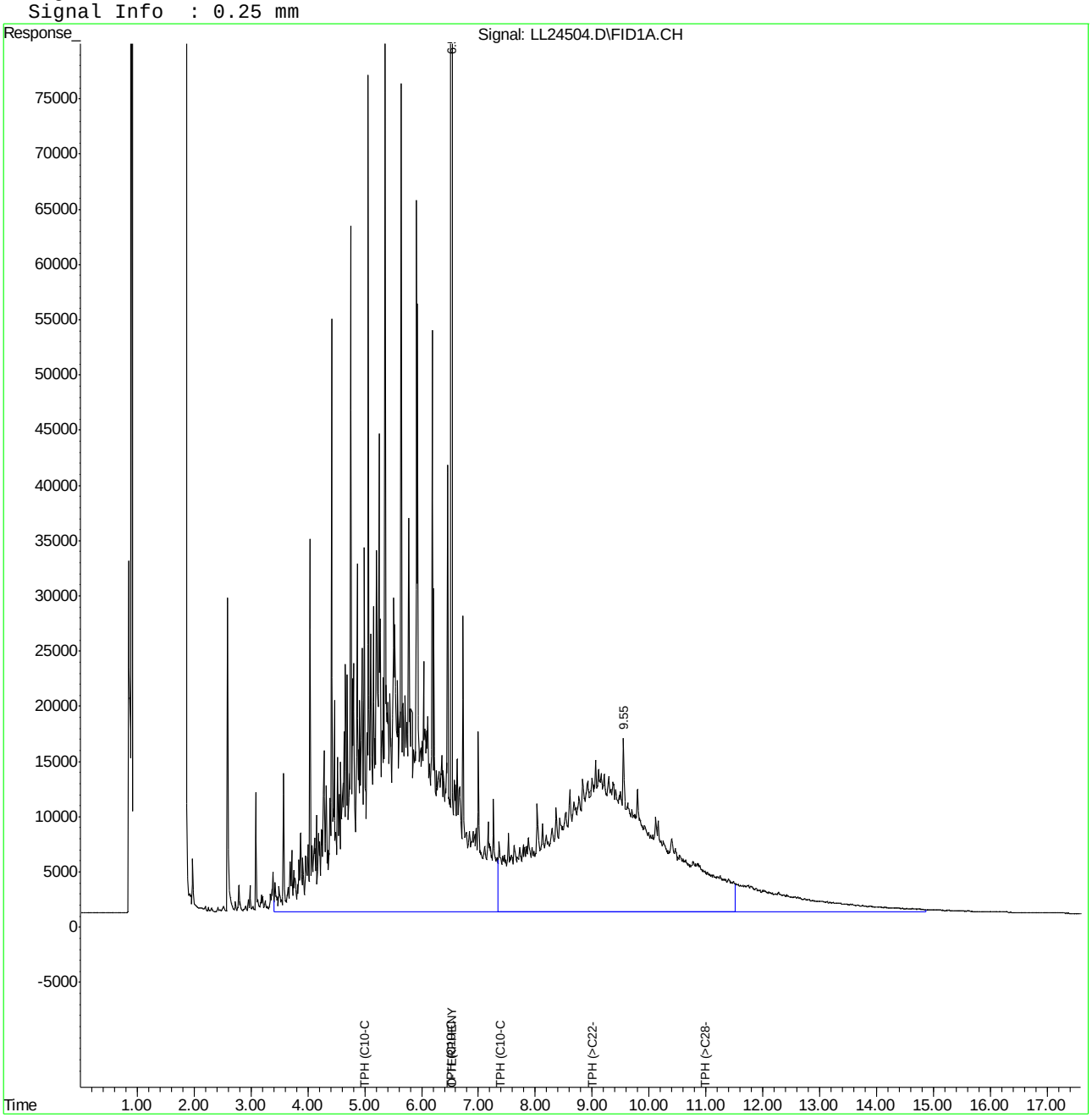
(f)=RT Delta > 1/2 Window (m)=manual int.
LL24504.D FDRO_OIL.M Tue Dec 16 12:24:01 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1212DROO\LL24504.D Vial: 11
Acq On : 12-12-08 05:19:18 PM Operator: natalyay
Sample : op27388-bs Inst : FID 4
Misc : OP27388,GLL913,30.0,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 15 9:53 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Thu Dec 11 15:27:34 2008
Response via : Multiple Level Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm



Manual Integrations APPROVED (compounds with "m" flag)
Mark Erstling 12/16/08 17:23

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1212DROO\LL24521.D Vial: 25
Acq On : 13 Dec 2008 12:01 am Operator: natalyay
Sample : op27388-ms Inst : FID 4
Misc : OP27388,GLL913,30.3,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 15 09:30:41 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Thu Dec 11 15:27:34 2008
Response via : Initial Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S O-TERPHENYL	6.53	1323117	38.262	PPM	m
Spiked Amount 50.000	Range 49 - 108	Recovery = 76.52%			
Target Compounds					
2) H TPH (C10-C28)	6.51	29676317	786.295	PPM	
3) H TPH (C10-C22)	5.00	24688117	750.895	PPM	
4) H TPH (>C28-C40)	11.00	11505680	799.233	PPM	
5) H TPH (>C22-C36)	9.00	15004369	848.261	PPM	
6) H TPH (C10-C40)	7.39	41344995	1562.664	PPM	

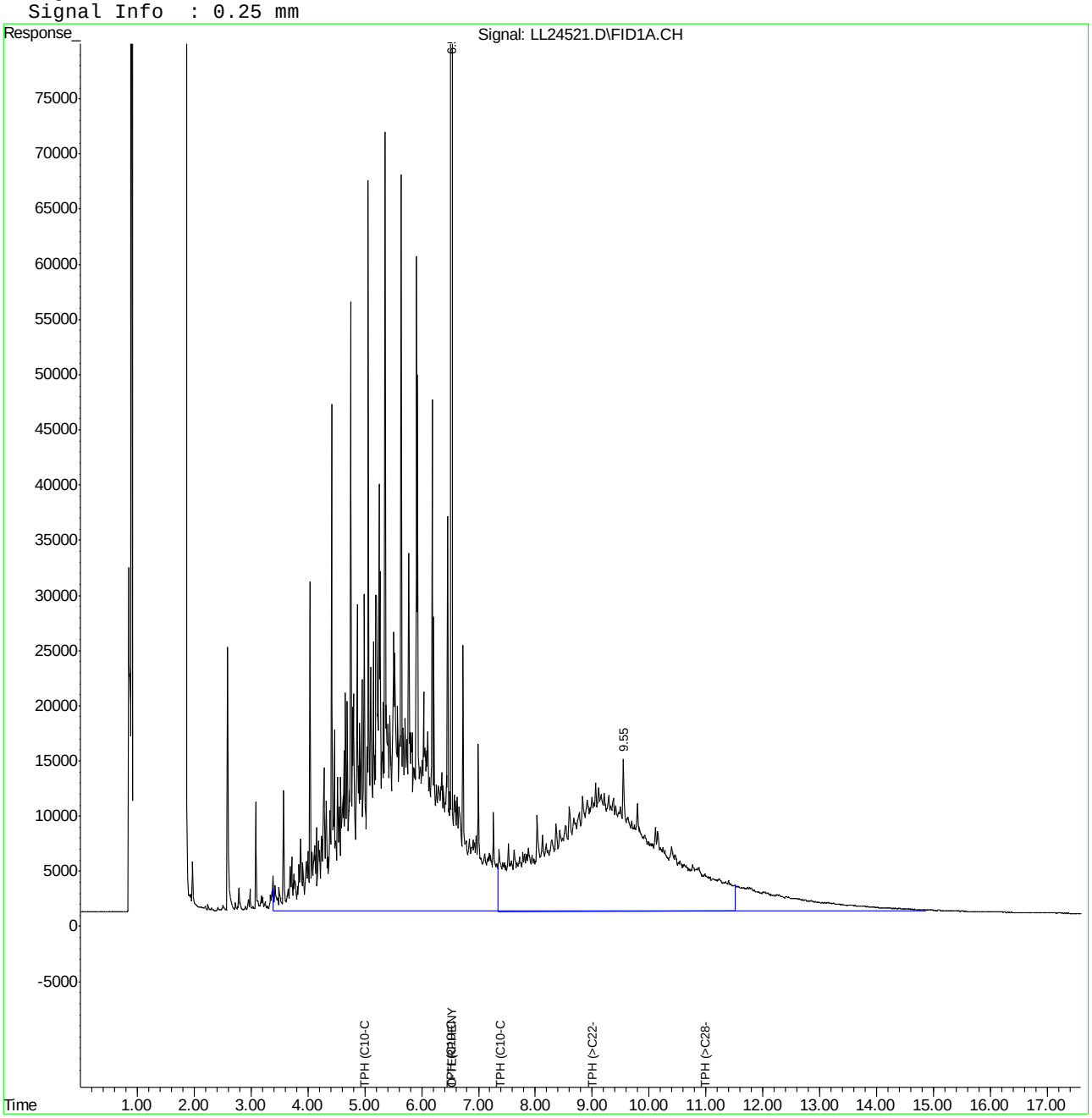
(f)=RT Delta > 1/2 Window (m)=manual int.
LL24521.D FDRO_OIL.M Tue Dec 16 12:24:51 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1212DROO\LL24521.D Vial: 25
Acq On : 13 Dec 2008 12:01 am Operator: natalyay
Sample : op27388-ms Inst : FID 4
Misc : OP27388,GLL913,30.3,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 15 10:09 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Thu Dec 11 15:27:34 2008
Response via : Multiple Level Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm



ACCUTEST Laboratories F61975

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1212DROO\LL24522.D Vial: 26
Acq On : 13 Dec 2008 12:25 am Operator: natalyay
Sample : op27388-msd Inst : FID 4
Misc : OP27388,GLL913,30.1,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 15 09:30:46 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Thu Dec 11 15:27:34 2008
Response via : Initial Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	O-TERPHENYL	6.53	1409965	40.774 PPM
Spiked Amount	50.000	Range 49 - 108	Recovery =	81.55%
	Target Compounds			
2) H	TPH (C10-C28)	6.51	32261609	854.794 PPM
3) H	TPH (C10-C22)	5.00	26717696	812.625 PPM
4) H	TPH (>C28-C40)	11.00	12901806	896.214 PPM
5) H	TPH (>C22-C36)	9.00	16649333	941.258 PPM
6) H	TPH (C10-C40)	7.39	45233969	1709.650 PPM

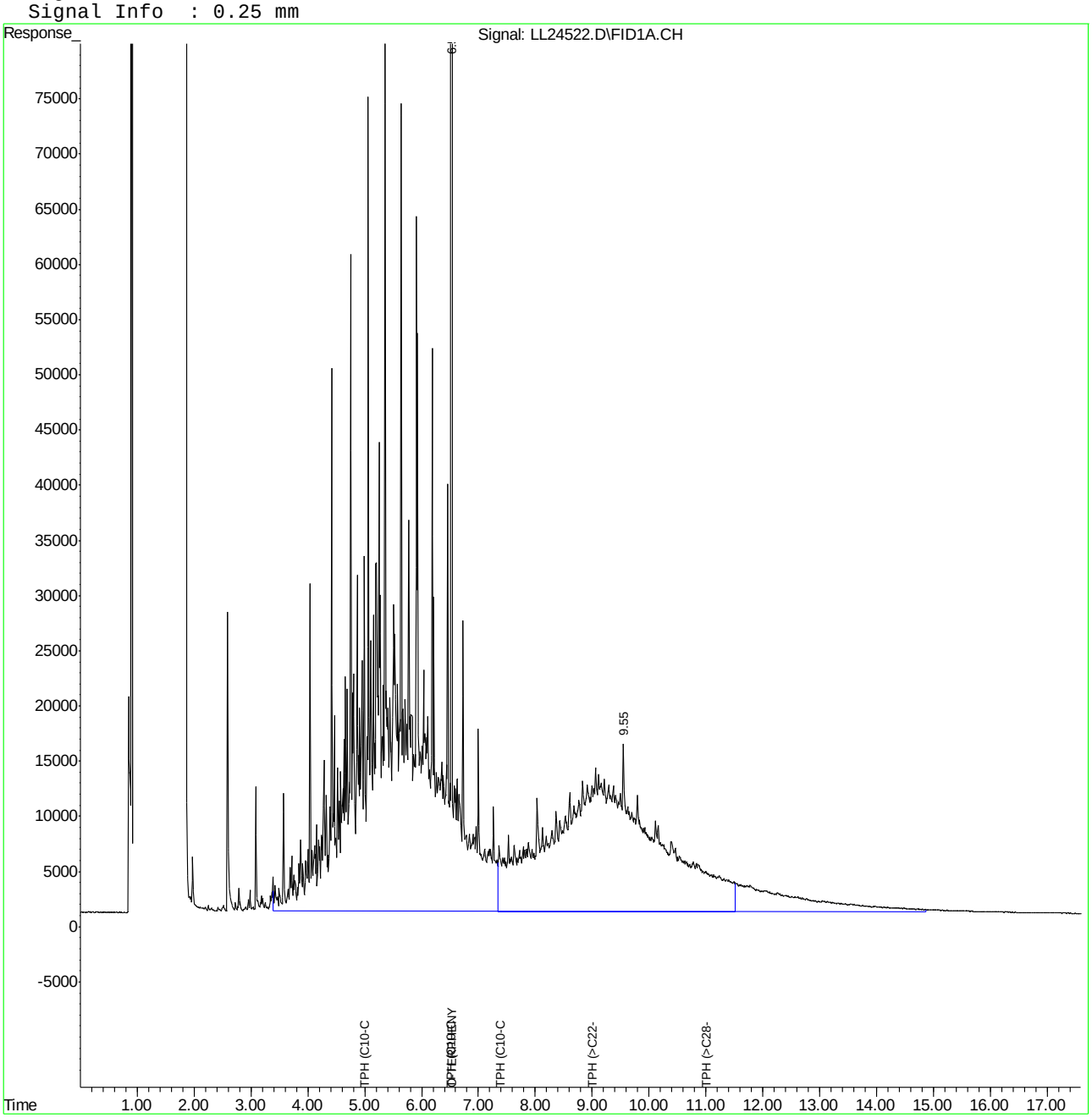
(f)=RT Delta > 1/2 Window (m)=manual int.
LL24522.D FDRO_OIL.M Tue Dec 16 12:24:54 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1212DROO\LL24522.D Vial: 26
Acq On : 13 Dec 2008 12:25 am Operator: natalyay
Sample : op27388-msd Inst : FID 4
Misc : OP27388,GLL913,30.1,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 15 10:11 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Thu Dec 11 15:27:34 2008
Response via : Multiple Level Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm



ACCUTEST Laboratories F61975

Manual Integrations APPROVED (compounds with "m" flag)
Mike Eger
12/11/08 17:00

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1210DROO\LL24429.D Vial: 2
Acq On : 12-10-08 09:56:18 AM Operator: natalyay
Sample : ic911-100 Inst : FID 4
Misc : OP27325,GLL911,30.0,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 10 11:57:30 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Wed Dec 10 09:57:21 2008
Response via : Initial Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1) S	O-TERPHENYL	6.53	335076	9.298	PPM	m
Spiked Amount	50.000	Range 49 - 108	Recovery =	18.60%#		
	Target Compounds					
2) H	TPH (C10-C28)	6.51	3843524	99.968	PPM	
3) H	TPH (C10-C22)	5.00	3434587	104.422	PPM	
4) H	TPH (>C28-C40)	11.00	1521041	74.596	PPM	
5) H	TPH (>C22-C36)	9.00	1867386	84.184	PPM	
6) H	TPH (C10-C40)	7.39	5568847	189.972	PPM	

10.5.1 10

(f)=RT Delta > 1/2 Window (m)=manual int.
LL24429.D FDRO_OIL.M Thu Dec 11 09:18:12 2008

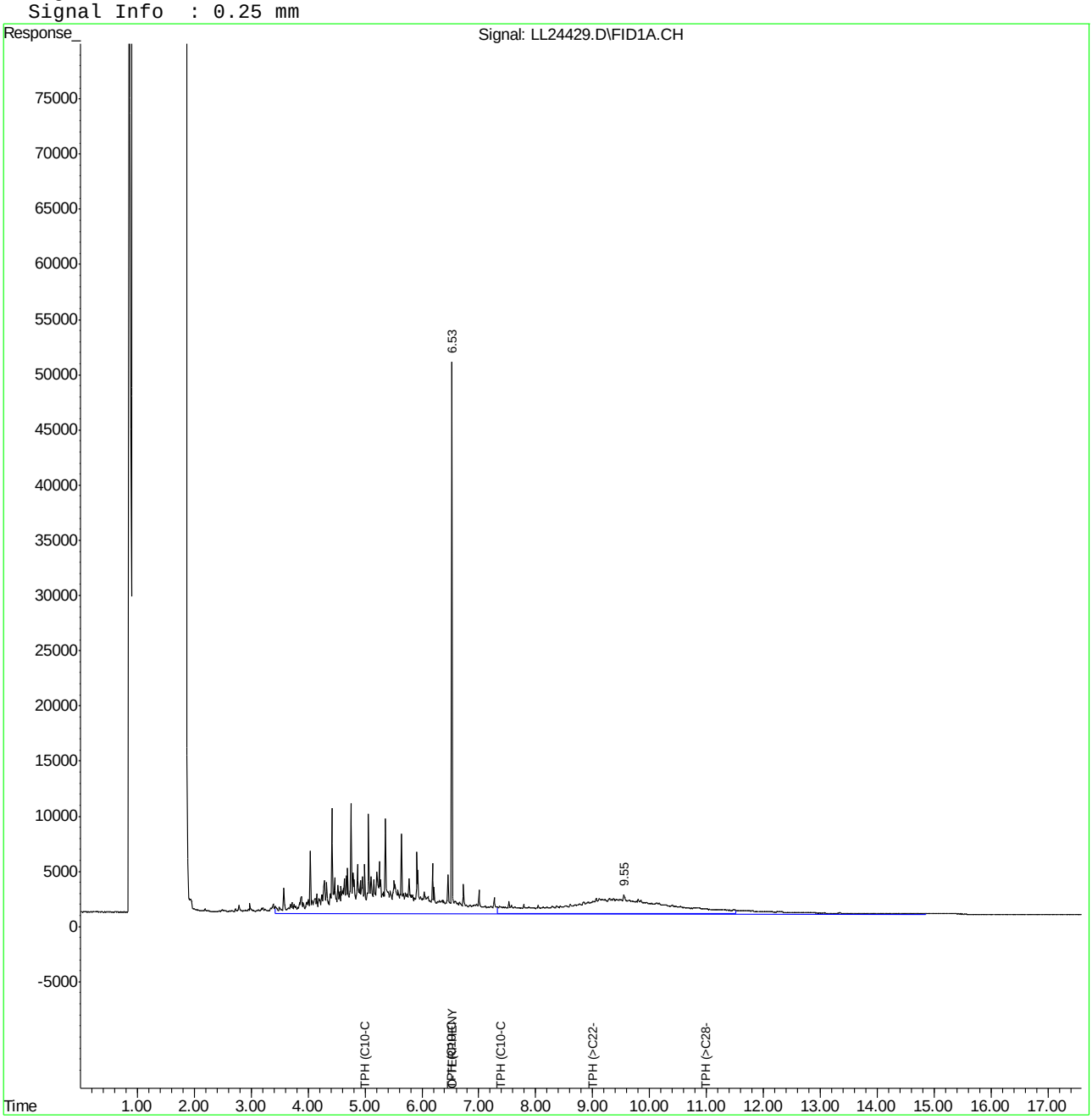
ACCUTEST Laboratories F61975

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1210DROO\LL24429.D Vial: 2
Acq On : 12-10-08 09:56:18 AM Operator: natalyay
Sample : ic911-100 Inst : FID 4
Misc : OP27325,GLL911,30.0,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 10 12:05 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Wed Dec 10 09:57:21 2008
Response via : Multiple Level Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm



ACCUTEST Laboratories F61975

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1210DROO\LL24430.D Vial: 3
Acq On : 10 Dec 2008 10:19 am Operator: natalyay
Sample : ic911-250 Inst : FID 4
Misc : OP27325,GLL911,30.0,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 10 11:57:33 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Wed Dec 10 09:57:21 2008
Response via : Initial Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	O-TERPHENYL	6.53	873988	24.253 PPM
Spiked Amount	50.000	Range 49 - 108	Recovery =	48.51%#
	Target Compounds			
2) H	TPH (C10-C28)	6.51	9616130	250.110 PPM
3) H	TPH (C10-C22)	5.00	8276809	251.640 PPM
4) H	TPH (>C28-C40)	11.00	3856431	189.130 PPM
5) H	TPH (>C22-C36)	9.00	4807081	216.710 PPM
6) H	TPH (C10-C40)	7.39	13931382	475.245 PPM

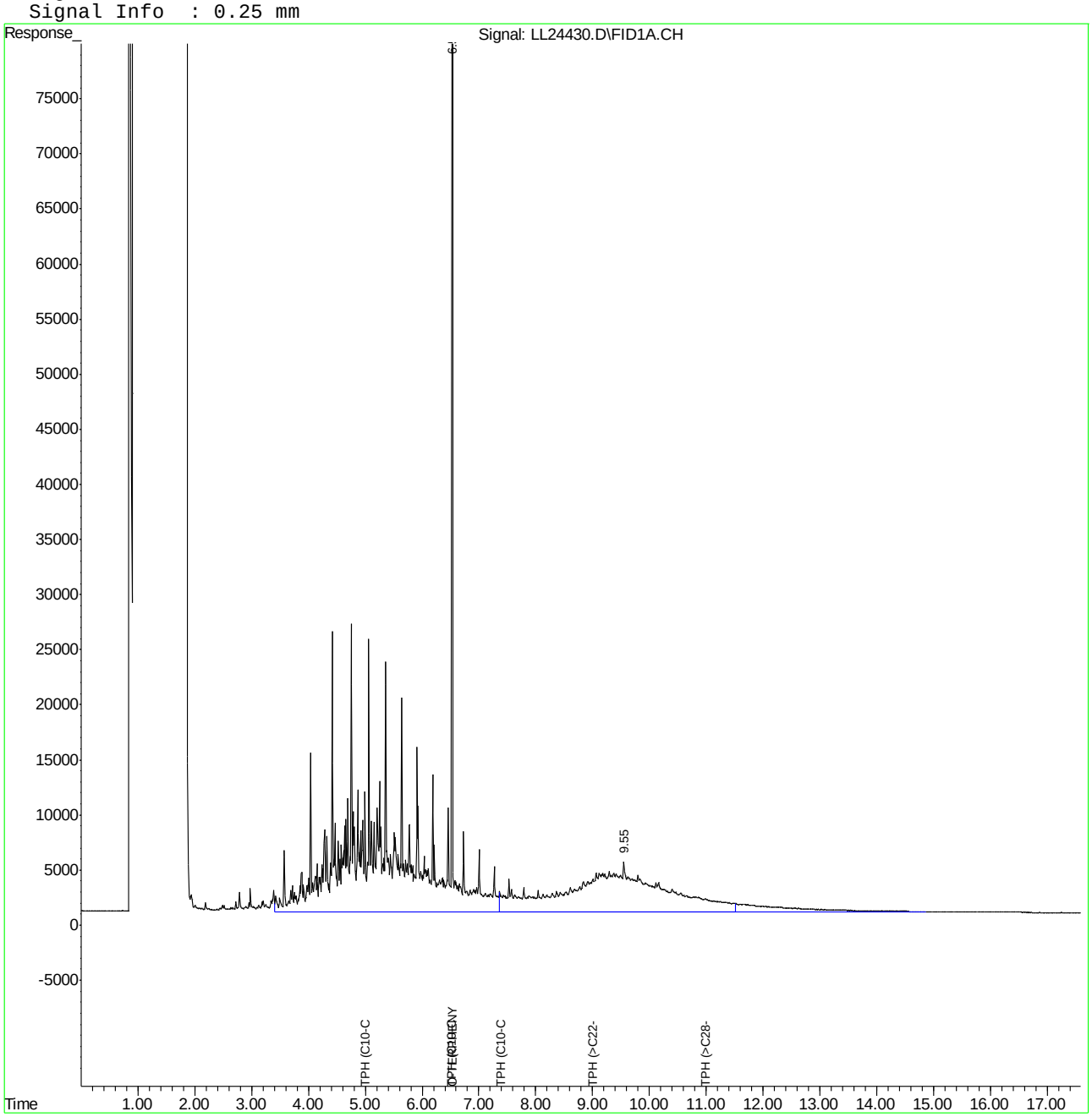
(f)=RT Delta > 1/2 Window (m)=manual int.
LL24430.D FDRO_OIL.M Thu Dec 11 09:18:14 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1210DROO\LL24430.D Vial: 3
Acq On : 10 Dec 2008 10:19 am Operator: natalyay
Sample : ic911-250 Inst : FID 4
Misc : OP27325,GLL911,30.0,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 10 12:09 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Wed Dec 10 09:57:21 2008
Response via : Multiple Level Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm



ACCUTEST Laboratories F61975

Manual Integrations APPROVED (compounds with "m" flag)
Mike Eger
12/11/08 17:00

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1210DROO\LL24431.D Vial: 4
Acq On : 10 Dec 2008 10:43 am Operator: natalyay
Sample : ic911-500 Inst : FID 4
Misc : OP27325,GLL911,30.0,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 10 11:57:38 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Wed Dec 10 09:57:21 2008
Response via : Initial Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S O-TERPHENYL	6.53	1770636	49.136	PPM	m
Spiked Amount 50.000	Range 49 - 108	Recovery = 98.27%			
Target Compounds					
2) H TPH (C10-C28)	6.51	19102431	496.843	PPM	
3) H TPH (C10-C22)	5.00	16653475	506.316	PPM	
4) H TPH (>C28-C40)	11.00	7318108	358.900	PPM	
5) H TPH (>C22-C36)	9.00	8942161	403.125	PPM	
6) H TPH (C10-C40)	7.39	26741850	912.252	PPM	

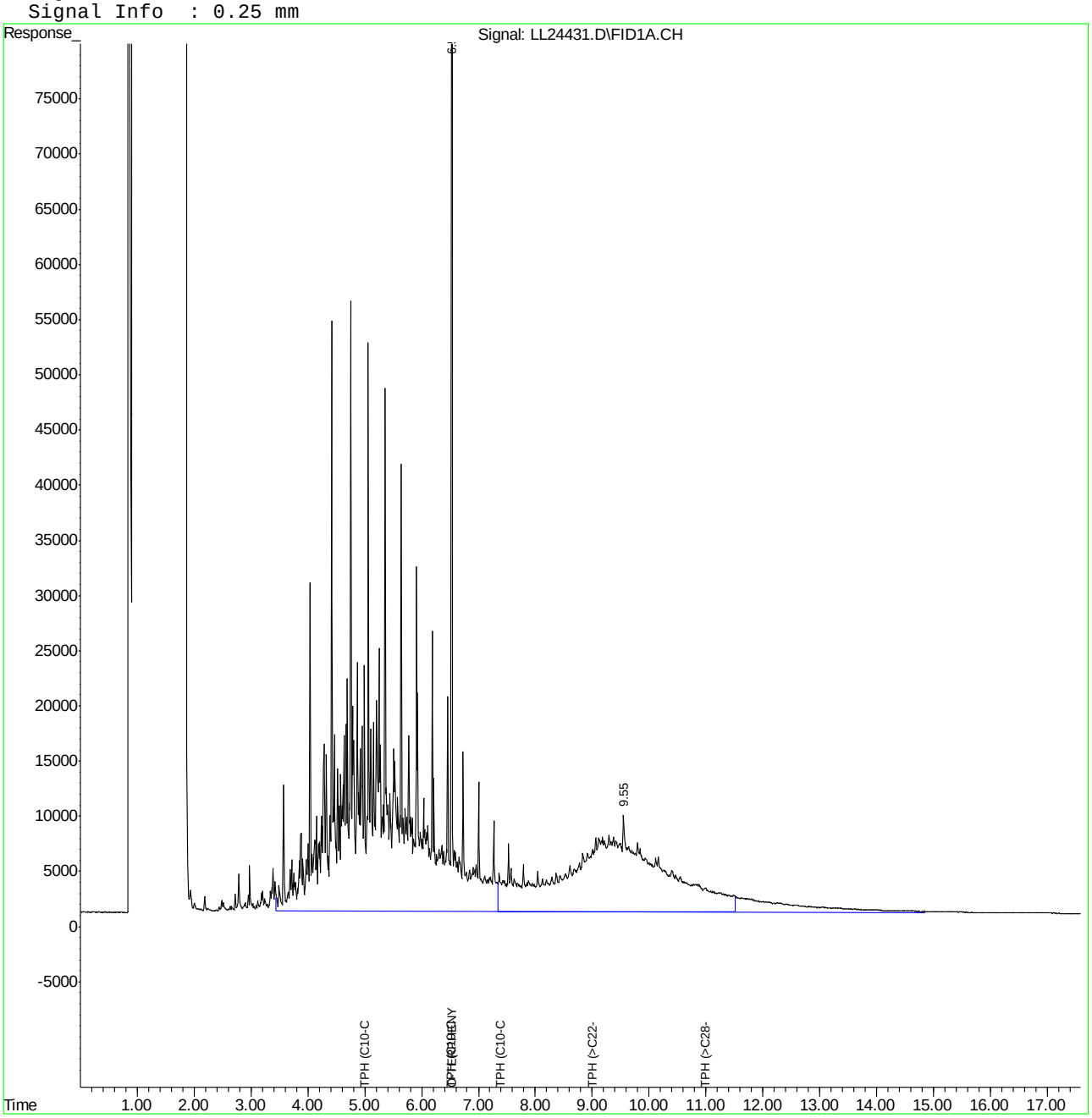
(f)=RT Delta > 1/2 Window (m)=manual int.
LL24431.D FDRO_OIL.M Thu Dec 11 09:18:18 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1210DROO\LL24431.D Vial: 4
Acq On : 10 Dec 2008 10:43 am Operator: natalyay
Sample : ic911-500 Inst : FID 4
Misc : OP27325,GLL911,30.0,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 10 12:14 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Wed Dec 10 09:57:21 2008
Response via : Multiple Level Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm



ACCUTEST Laboratories F61975

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1210DROO\LL24432.D Vial: 5
Acq On : 10 Dec 2008 11:07 am Operator: natalyay
Sample : icc911-1000 Inst : FID 4
Misc : OP27325,GLL911,30.0,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 10 11:57:43 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Wed Dec 10 09:57:21 2008
Response via : Initial Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S O-TERPHENYL	6.53	3480991	96.599	PPM
Spiked Amount	50.000	Range 49 - 108	Recovery =	193.20%#	
	Target Compounds				
2)	H TPH (C10-C28)	6.51	37301936	970.202	PPM
3)	H TPH (C10-C22)	5.00	32304825	982.164	PPM
4)	H TPH (>C28-C40)	11.00	14740934	722.935	PPM
5)	H TPH (>C22-C36)	9.00	17802966	802.583	PPM
6)	H TPH (C10-C40)	7.39	52072067	1776.349	PPM

10.5.4 10

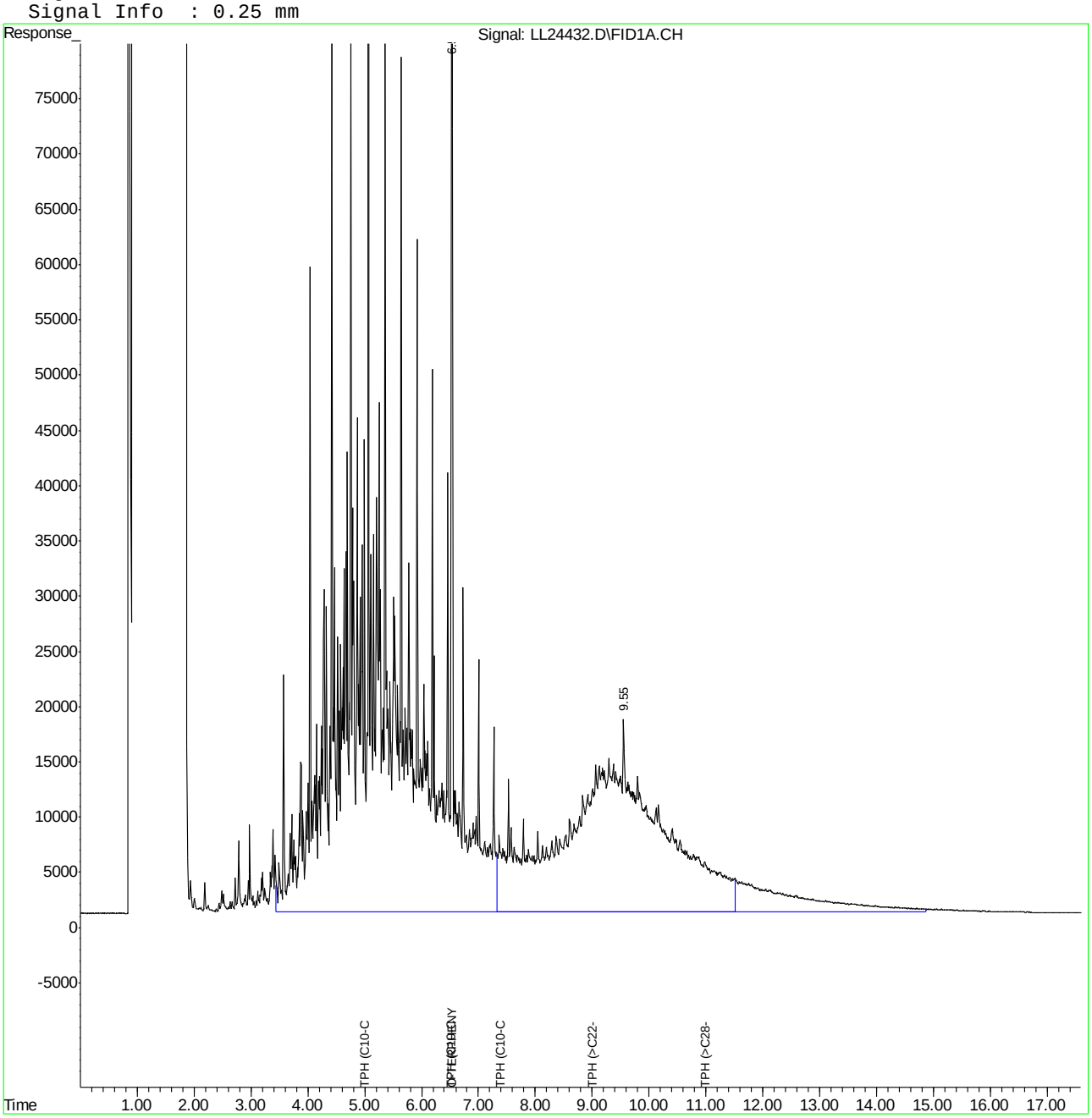
(f)=RT Delta > 1/2 Window (m)=manual int.
LL24432.D FDRO_OIL.M Thu Dec 11 09:18:20 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1210DROO\LL24432.D Vial: 5
Acq On : 10 Dec 2008 11:07 am Operator: natalyay
Sample : icc911-1000 Inst : FID 4
Misc : OP27325,GLL911,30.0,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 10 12:17 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Wed Dec 10 09:57:21 2008
Response via : Multiple Level Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm



ACCUTEST Laboratories F61975

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1210DROO\LL24433.D Vial: 6
Acq On : 10 Dec 2008 11:31 am Operator: natalyay
Sample : ic911-1500 Inst : FID 4
Misc : OP27325,GLL911,30.0,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 10 11:57:49 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Wed Dec 10 09:57:21 2008
Response via : Initial Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	O-TERPHENYL	6.54	5204527	144.427	PPM
Spiked Amount	50.000	Range 49 - 108	Recovery =	288.85%#	
	Target Compounds				
2) H	TPH (C10-C28)	6.51	55998112	1456.478	PPM
3) H	TPH (C10-C22)	5.00	48457139	1473.243	PPM
4) H	TPH (>C28-C40)	11.00	20197006	990.515	PPM
5) H	TPH (>C22-C36)	9.00	25146889	1133.658	PPM
6) H	TPH (C10-C40)	7.39	76466447	2608.521	PPM

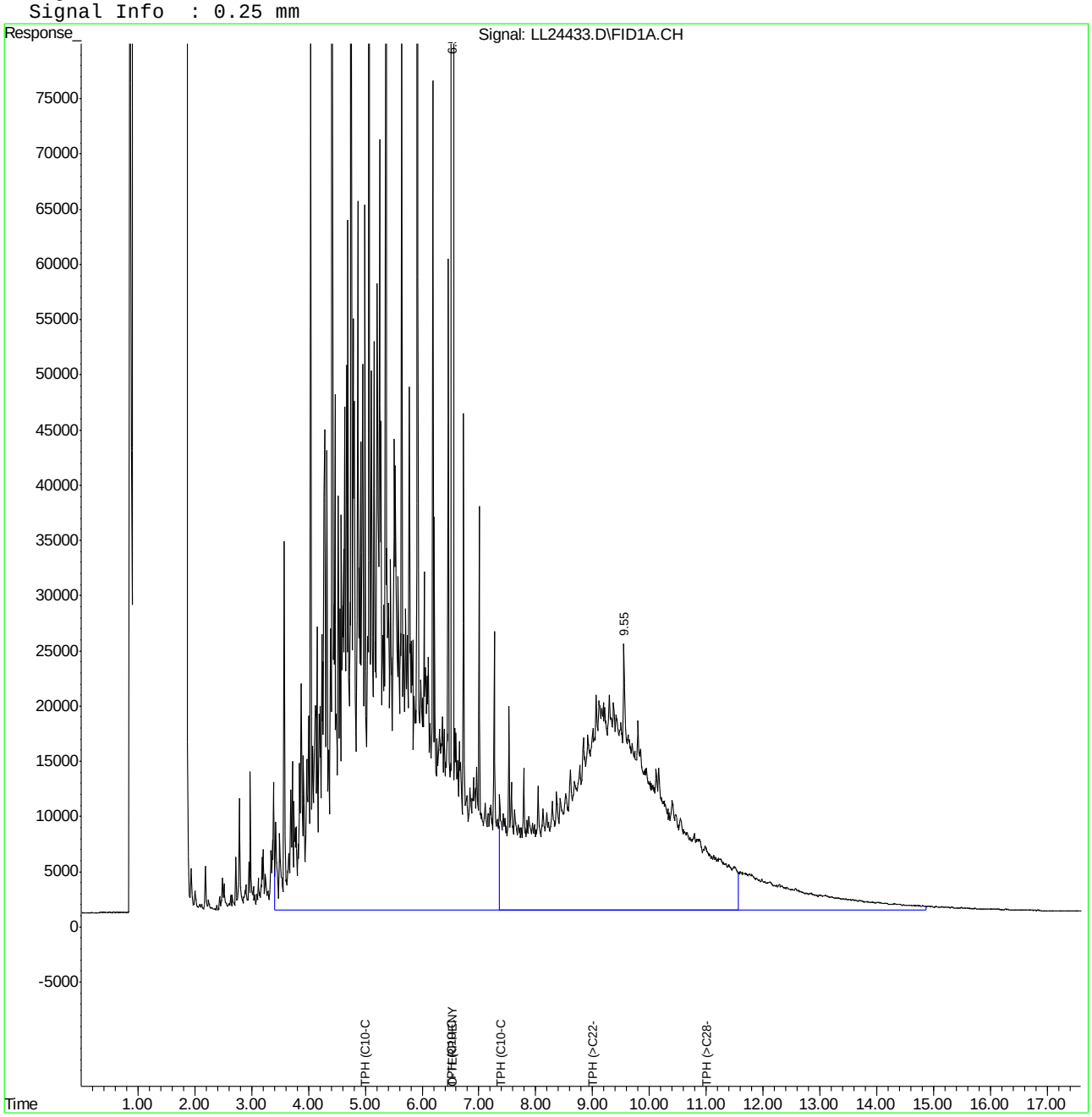
(f)=RT Delta > 1/2 Window (m)=manual int.
LL24433.D FDRO_OIL.M Thu Dec 11 09:18:23 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1210DROO\LL24433.D Vial: 6
Acq On : 10 Dec 2008 11:31 am Operator: natalyay
Sample : ic911-1500 Inst : FID 4
Misc : OP27325,GLL911,30.0,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 10 12:22 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Wed Dec 10 09:57:21 2008
Response via : Multiple Level Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm



ACCUTEST Laboratories F61975

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1210DROO\LL24434.D Vial: 7
Acq On : 10 Dec 2008 11:54 am Operator: natalyay
Sample : ic911-2000 Inst : FID 4
Misc : OP27325,GLL911,30.0,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 10 12:22:20 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Wed Dec 10 09:57:21 2008
Response via : Initial Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	O-TERPHENYL	6.54	6819141	189.234	PPM
Spiked Amount	50.000	Range 49 - 108	Recovery =	378.47%#	
	Target Compounds				
2) H	TPH (C10-C28)	6.51	73426311	1909.775	PPM
3) H	TPH (C10-C22)	5.00	63799688	1939.703	PPM
4) H	TPH (>C28-C40)	11.00	25794874	1265.050	PPM
5) H	TPH (>C22-C36)	9.00	31552488	1422.431	PPM
6) H	TPH (C10-C40)	7.39	99097821	3380.551	PPM

10.5.6 10

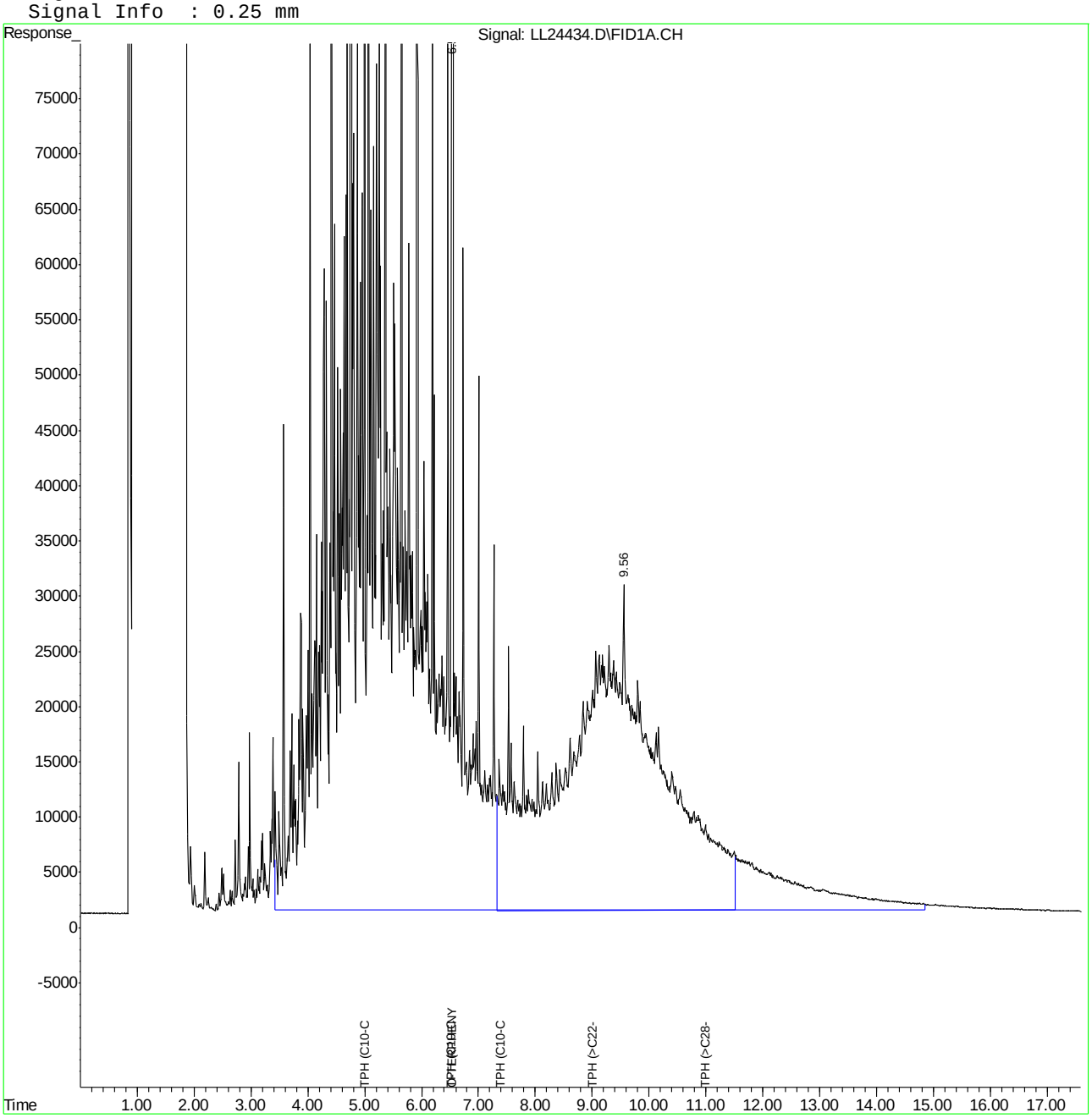
(f)=RT Delta > 1/2 Window (m)=manual int.
LL24434.D FDRO_OIL.M Thu Dec 11 09:18:26 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1210DROO\LL24434.D Vial: 7
Acq On : 10 Dec 2008 11:54 am Operator: natalyay
Sample : ic911-2000 Inst : FID 4
Misc : OP27325,GLL911,30.0,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 10 12:26 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Wed Dec 10 09:57:21 2008
Response via : Multiple Level Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm



ACCUTEST Laboratories F61975

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1210DROO\LL24435.D Vial: 8
Acq On : 10 Dec 2008 12:29 pm Operator: natalyay
Sample : icv911-1000 Inst : FID 4
Misc : OP27325,GLL911,30.0,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 10 12:52:27 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Wed Dec 10 12:27:51 2008
Response via : Initial Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S O-TERPHENYL	0.00	0	N.D.	PPM d
Spiked Amount 50.000	Range 49 - 108	Recovery =	0.00%#	
Target Compounds				
2) H TPH (C10-C28)	6.51	37262100	987.286	PPM
3) H TPH (C10-C22)	5.00	31138515	947.086	PPM
4) H TPH (>C28-C40)	11.00	14435837	1002.774	PPM
5) H TPH (>C22-C36)	9.00	18636642	1053.609	PPM
6) H TPH (C10-C40)	7.39	52039080	1966.854	PPM

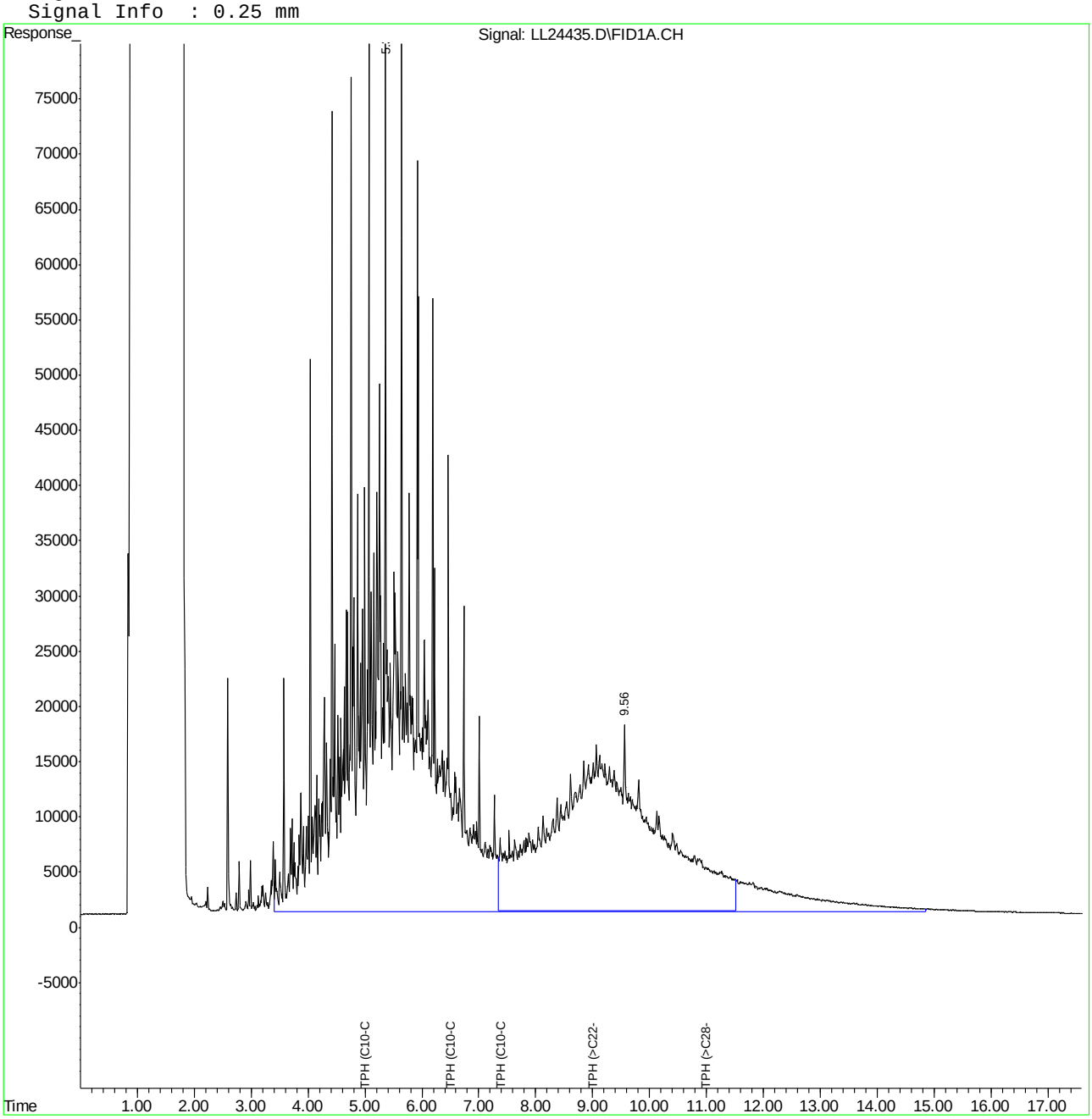
(f)=RT Delta > 1/2 Window (m)=manual int.
LL24435.D FDRO_OIL.M Thu Dec 11 09:18:29 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1210DROO\LL24435.D Vial: 8
Acq On : 10 Dec 2008 12:29 pm Operator: natalyay
Sample : icv911-1000 Inst : FID 4
Misc : OP27325,GLL911,30.0,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 10 12:55 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Wed Dec 10 12:27:51 2008
Response via : Multiple Level Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm



ACCUTEST Laboratories F61975

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1212DROO\LL24495.D Vial: 2
Acq On : 12 Dec 2008 12:32 pm Operator: natalyay
Sample : cc911-1000 Inst : FID 4
Misc : OP27370,GLL913,1000,,,1,1,water Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 15 09:28:55 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Thu Dec 11 15:27:34 2008
Response via : Initial Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S O-TERPHENYL	6.54	3795556	109.760 PPM
Spiked Amount 50.000	Range 42 - 114	Recovery = 219.52%#	
Target Compounds			
2) H TPH (C10-C28)	6.51	41787658	1107.194 PPM
3) H TPH (C10-C22)	5.00	36241210	1102.285 PPM
4) H TPH (>C28-C40)	11.00	14675537	1019.425 PPM
5) H TPH (>C22-C36)	9.00	18382571	1039.245 PPM
6) H TPH (C10-C40)	7.39	56494209	2135.239 PPM

10.5.8 10

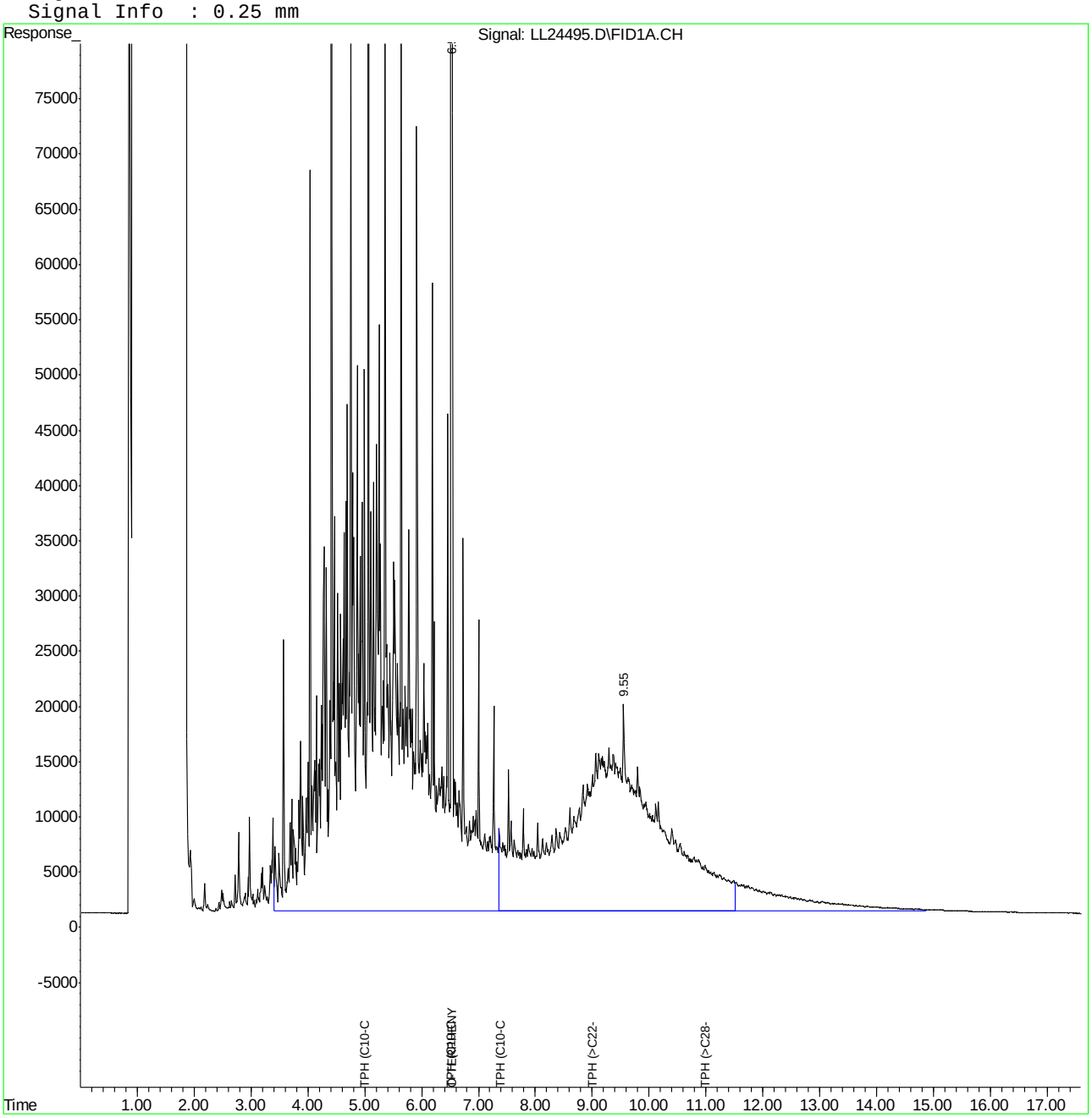
(f)=RT Delta > 1/2 Window (m)=manual int.
LL24495.D FDRO_OIL.M Tue Dec 16 12:23:33 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1212DROO\LL24495.D Vial: 2
Acq On : 12 Dec 2008 12:32 pm Operator: natalyay
Sample : cc911-1000 Inst : FID 4
Misc : OP27370,GLL913,1000,,,1,1,water Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 15 9:36 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Thu Dec 11 15:27:34 2008
Response via : Multiple Level Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm



ACCUTEST Laboratories F61975

Manual Integrations APPROVED
(compounds with "m" flag)
Mark Erstling
12/16/08 17:23

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1212DROO\LL24507.D Vial: 14
Acq On : 12-12-08 06:30:18 PM Operator: natalyay
Sample : cc911-1000 Inst : FID 4
Misc : OP27388,GLL913,30.2,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 15 09:29:42 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Thu Dec 11 15:27:34 2008
Response via : Initial Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1) S	O-TERPHENYL	6.53	3470960	100.374	PPM	m
Spiked Amount	50.000	Range 49 - 108	Recovery =	200.75%#		
	Target Compounds					
2) H	TPH (C10-C28)	6.51	37909038	1004.427	PPM	
3) H	TPH (C10-C22)	5.00	32821915	998.287	PPM	
4) H	TPH (>C28-C40)	11.00	14118211	980.711	PPM	
5) H	TPH (>C22-C36)	9.00	17812468	1007.015	PPM	
6) H	TPH (C10-C40)	7.39	52134044	1970.443	PPM	

10.5.9 10

(f)=RT Delta > 1/2 Window (m)=manual int.
LL24507.D FDRO_OIL.M Tue Dec 16 12:24:09 2008

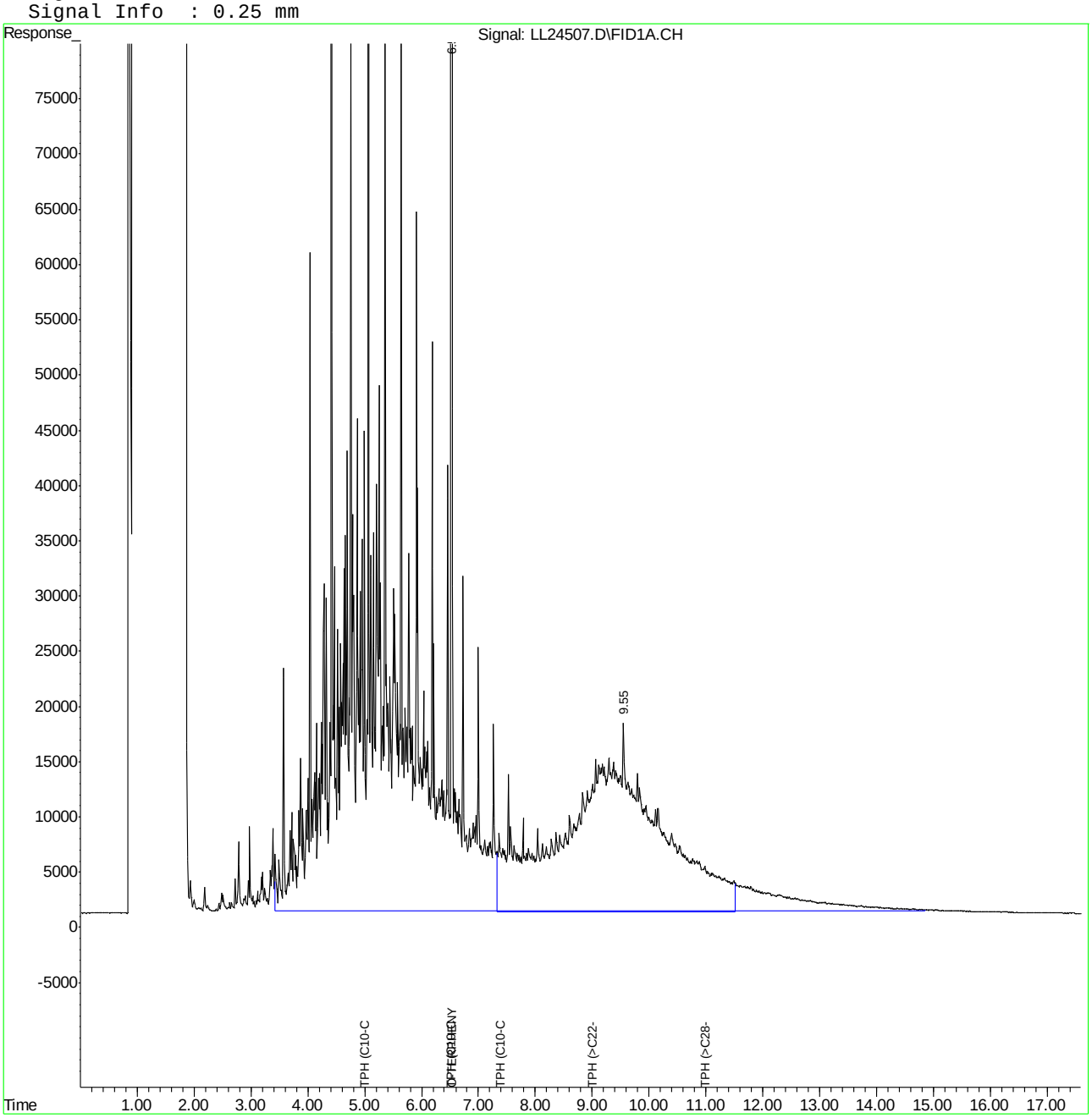
ACCUTEST Laboratories F61975

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1212DROO\LL24507.D Vial: 14
Acq On : 12-12-08 06:30:18 PM Operator: natalyay
Sample : cc911-1000 Inst : FID 4
Misc : OP27388,GLL913,30.2,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 15 9:57 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Thu Dec 11 15:27:34 2008
Response via : Multiple Level Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm



ACCUTEST Laboratories F61975

Manual Integrations APPROVED (compounds with "m" flag)
Mark Erstling 12/16/08 17:23

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1212DROO\LL24519.D Vial: 14
Acq On : 12 Dec 2008 11:14 pm Operator: natalyay
Sample : cc911-1000 Inst : FID 4
Misc : OP27388,GLL913,30.6,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 15 09:30:32 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Thu Dec 11 15:27:34 2008
Response via : Initial Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S O-TERPHENYL	6.53	3187197	92.168	PPM	m
Spiked Amount 50.000	Range 49 - 108	Recovery = 184.34%#			
Target Compounds					
2) H TPH (C10-C28)	6.51	36198152	959.096	PPM	
3) H TPH (C10-C22)	5.00	31839023	968.392	PPM	
4) H TPH (>C28-C40)	11.00	12678830	880.725	PPM	
5) H TPH (>C22-C36)	9.00	15606715	882.314	PPM	
6) H TPH (C10-C40)	7.39	48918933	1848.926	PPM	

10.5.10 10

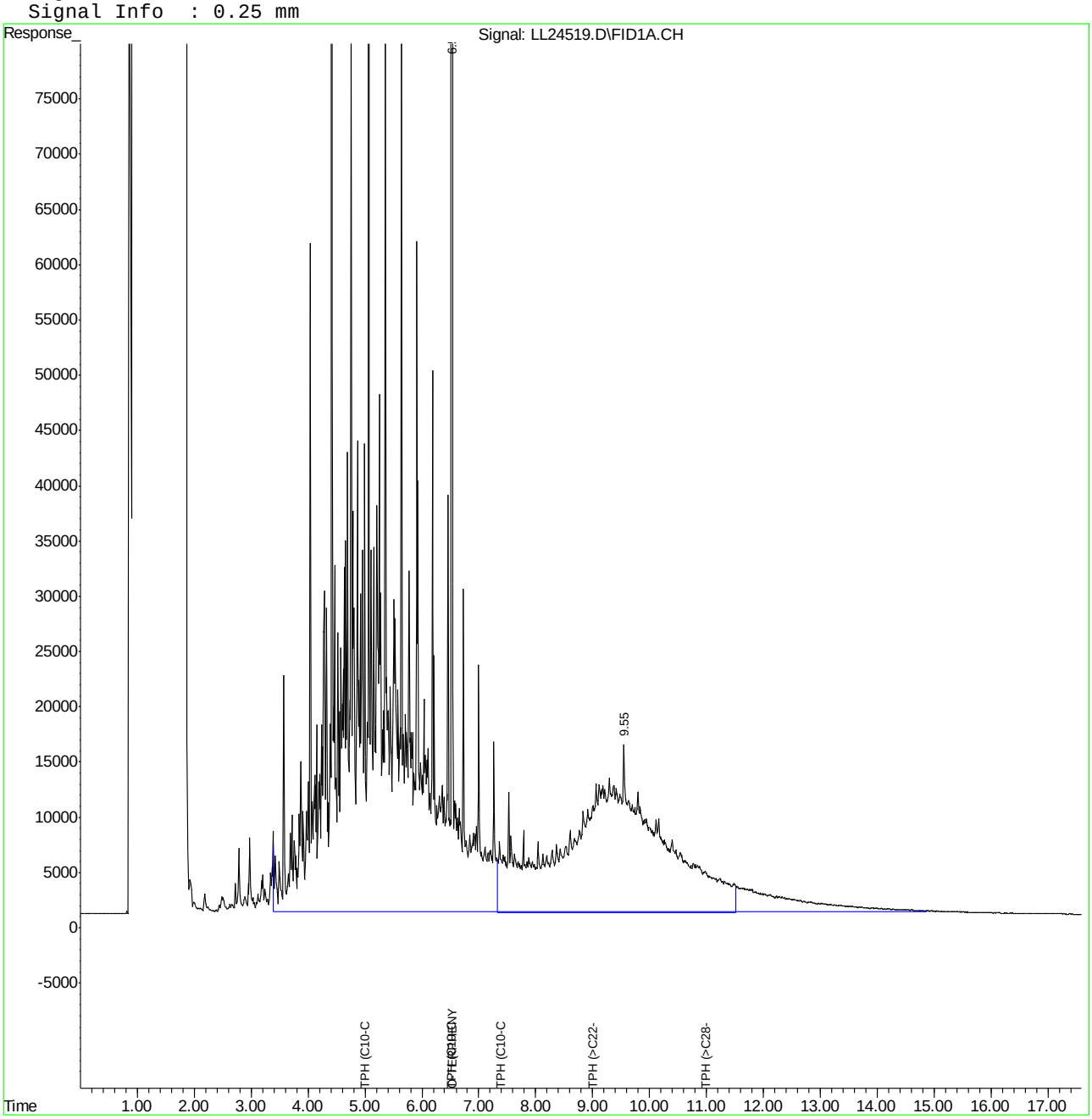
(f)=RT Delta > 1/2 Window (m)=manual int.
LL24519.D FDRO_OIL.M Tue Dec 16 12:24:46 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1212DROO\LL24519.D Vial: 14
Acq On : 12 Dec 2008 11:14 pm Operator: natalyay
Sample : cc911-1000 Inst : FID 4
Misc : OP27388,GLL913,30.6,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 15 10:06 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Thu Dec 11 15:27:34 2008
Response via : Multiple Level Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm



ACCUTEST Laboratories F61975

Manual Integrations APPROVED (compounds with "m" flag)
Mark Erstling 12/16/08 17:23

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1212DROO\LL24531.D Vial: 35
Acq On : 12-13-08 03:58:19 AM Operator: natalyay
Sample : cc911-500 Inst : FID 4
Misc : OP27388,GLL913,30.8,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 15 09:31:28 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Thu Dec 11 15:27:34 2008
Response via : Initial Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S O-TERPHENYL	6.53	1635121	47.285	PPM	m
Spiked Amount 50.000	Range 49 - 108	Recovery = 94.57%			
Target Compounds					
2) H TPH (C10-C28)	6.51	18703074	495.551	PPM	
3) H TPH (C10-C22)	5.00	16489692	501.538	PPM	
4) H TPH (>C28-C40)	11.00	6523105	453.122	PPM	
5) H TPH (>C22-C36)	9.00	8075195	456.525	PPM	
6) H TPH (C10-C40)	7.39	25648887	969.418	PPM	

10.5.11 10

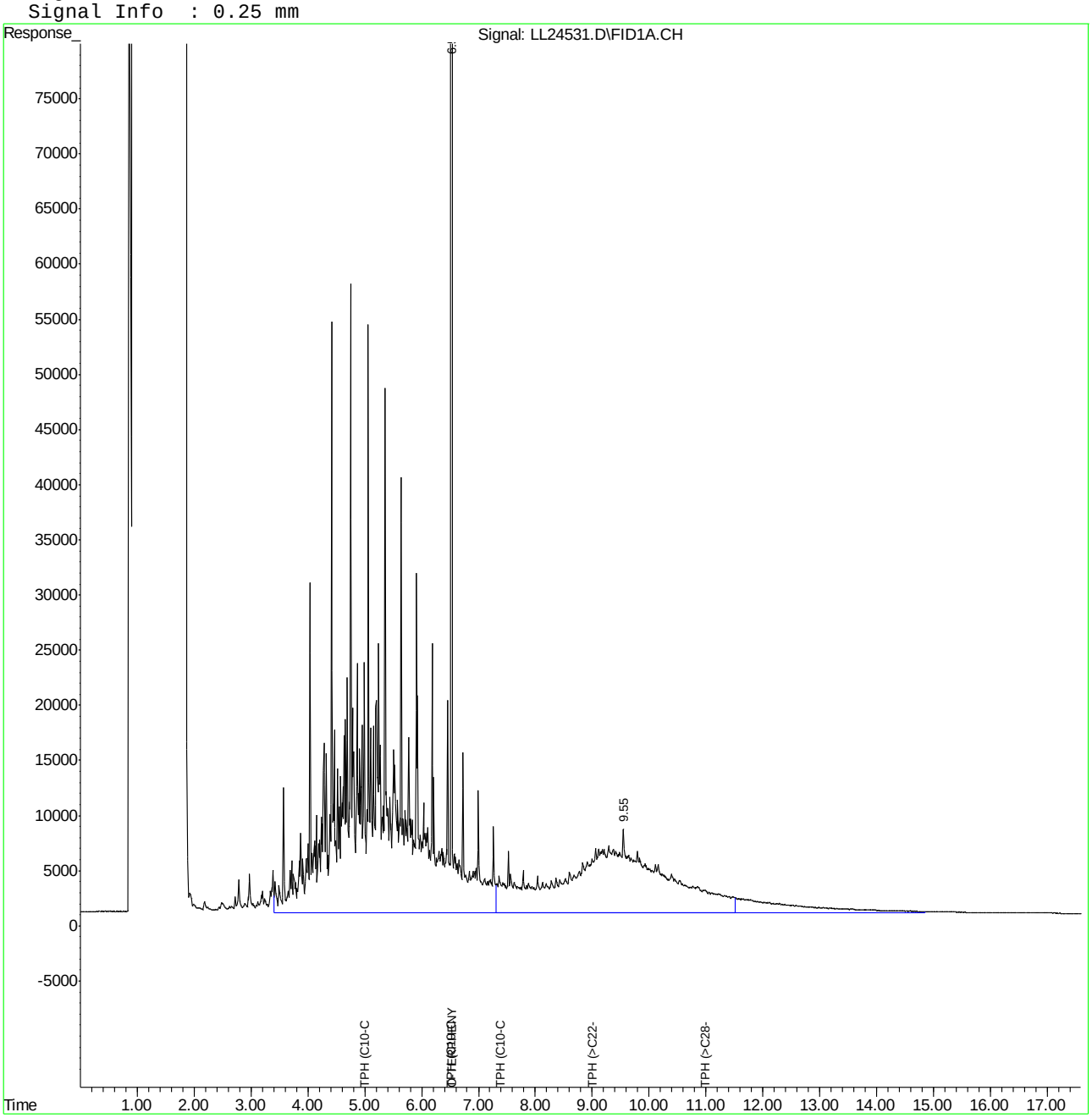
(f)=RT Delta > 1/2 Window (m)=manual int.
LL24531.D FDRO_OIL.M Tue Dec 16 12:25:21 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1212DROO\LL24531.D Vial: 35
Acq On : 12-13-08 03:58:19 AM Operator: natalyay
Sample : cc911-500 Inst : FID 4
Misc : OP27388,GLL913,30.8,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 16 12:15 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Thu Dec 11 15:27:34 2008
Response via : Multiple Level Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm



ACCUTEST Laboratories F61975

Manual Integrations APPROVED
(compounds with "m" flag)
Mark Erstling
12/16/08 17:23

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1212DROO\LL24535.D Vial: 35
Acq On : 12-13-08 05:33:09 AM Operator: natalyay
Sample : ecc911-500 Inst : FID 4
Misc : OP27388,GLL913,30.6,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 15 09:31:48 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Thu Dec 11 15:27:34 2008
Response via : Initial Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1) S	O-TERPHENYL	6.53	1747901	50.546	PPM	m
Spiked Amount	50.000	Range 49 - 108	Recovery =	101.09%		
	Target Compounds					
2) H	TPH (C10-C28)	6.51	19268735	510.539	PPM	
3) H	TPH (C10-C22)	5.00	16729131	508.821	PPM	
4) H	TPH (>C28-C40)	11.00	8153711	566.391	PPM	
5) H	TPH (>C22-C36)	9.00	9802251	554.163	PPM	
6) H	TPH (C10-C40)	7.39	27583329	1042.532	PPM	

10.5.12
10

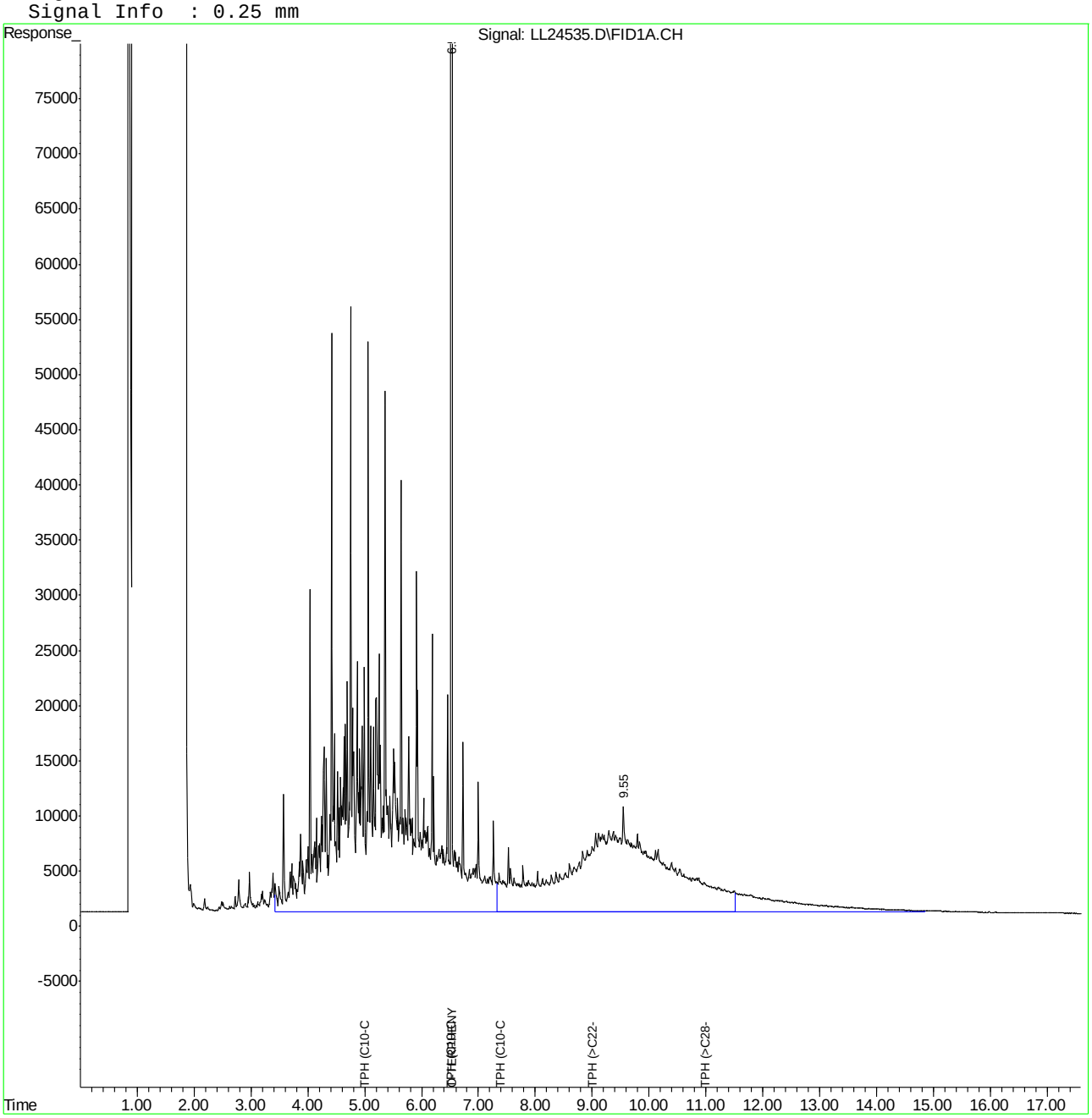
(f)=RT Delta > 1/2 Window (m)=manual int.
LL24535.D FDRO_OIL.M Tue Dec 16 12:25:33 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1212DROO\LL24535.D Vial: 35
Acq On : 12-13-08 05:33:09 AM Operator: natalyay
Sample : ecc911-500 Inst : FID 4
Misc : OP27388,GLL913,30.6,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 16 12:21 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Thu Dec 11 15:27:34 2008
Response via : Multiple Level Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm



ACCUTEST Laboratories F61975

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1217DROO\LL24557.D Vial: 2
Acq On : 17 Dec 2008 10:02 am Operator: natalyay
Sample : ic916-100 Inst : FID 4
Misc : OP27388,GLL916,30.0,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 17 12:27:10 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Wed Dec 17 10:16:21 2008
Response via : Initial Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S O-TERPHENYL	6.52	178791	2.585 PPM
Spiked Amount 50.000	Range 49 - 108	Recovery =	5.17%#
Target Compounds			
2) H TPH (C10-C28)	6.51	3459476	91.661 PPM
3) H TPH (C10-C22)	5.00	3021723	91.906 PPM
4) H TPH (>C28-C40)	11.00	1588452	110.341 PPM
5) H TPH (>C22-C36)	9.00	1868514	105.635 PPM
6) H TPH (C10-C40)	7.39	5254962	198.615 PPM

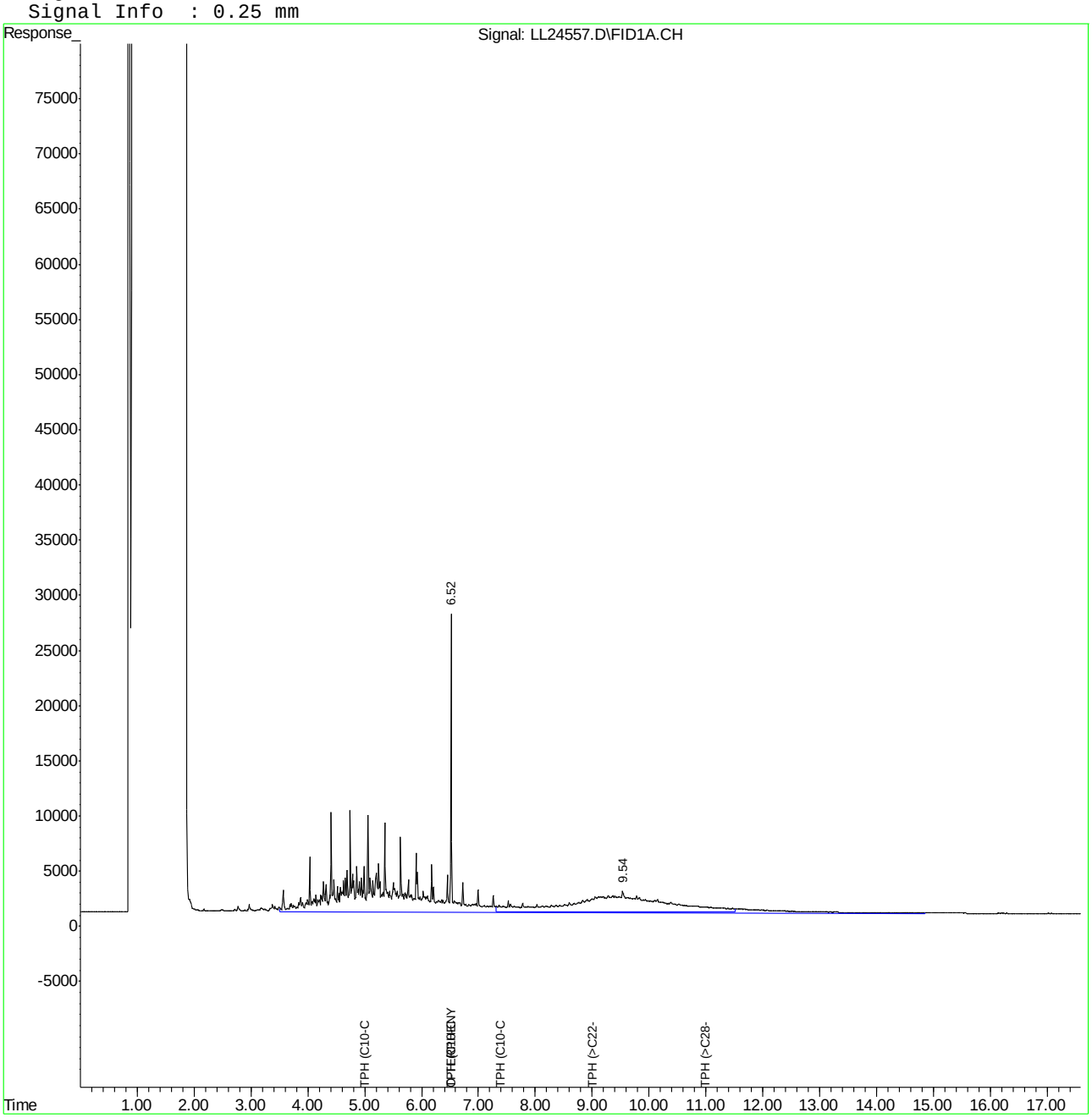
(f)=RT Delta > 1/2 Window (m)=manual int.
LL24557.D FDRO_OIL.M Thu Dec 18 13:40:05 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1217DROO\LL24557.D Vial: 2
Acq On : 17 Dec 2008 10:02 am Operator: natalyay
Sample : ic916-100 Inst : FID 4
Misc : OP27388,GLL916,30.0,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 17 12:34 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Wed Dec 17 10:16:21 2008
Response via : Multiple Level Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm



ACCUTEST Laboratories F61975

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1217DROO\LL24558.D Vial: 3
Acq On : 17 Dec 2008 10:25 am Operator: natalyay
Sample : ic916-250 Inst : FID 4
Misc : OP27388,GLL916,30.0,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 17 12:27:13 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Wed Dec 17 10:16:21 2008
Response via : Initial Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	O-TERPHENYL	6.52	445080	6.435 PPM
Spiked Amount	50.000	Range 49 - 108	Recovery =	12.87%#
	Target Compounds			
2) H	TPH (C10-C28)	6.51	8940850	236.894 PPM
3) H	TPH (C10-C22)	5.00	7676747	233.490 PPM
4) H	TPH (>C28-C40)	11.00	4295059	298.353 PPM
5) H	TPH (>C22-C36)	9.00	4956473	280.211 PPM
6) H	TPH (C10-C40)	7.39	13357687	504.863 PPM

10.5.14 10

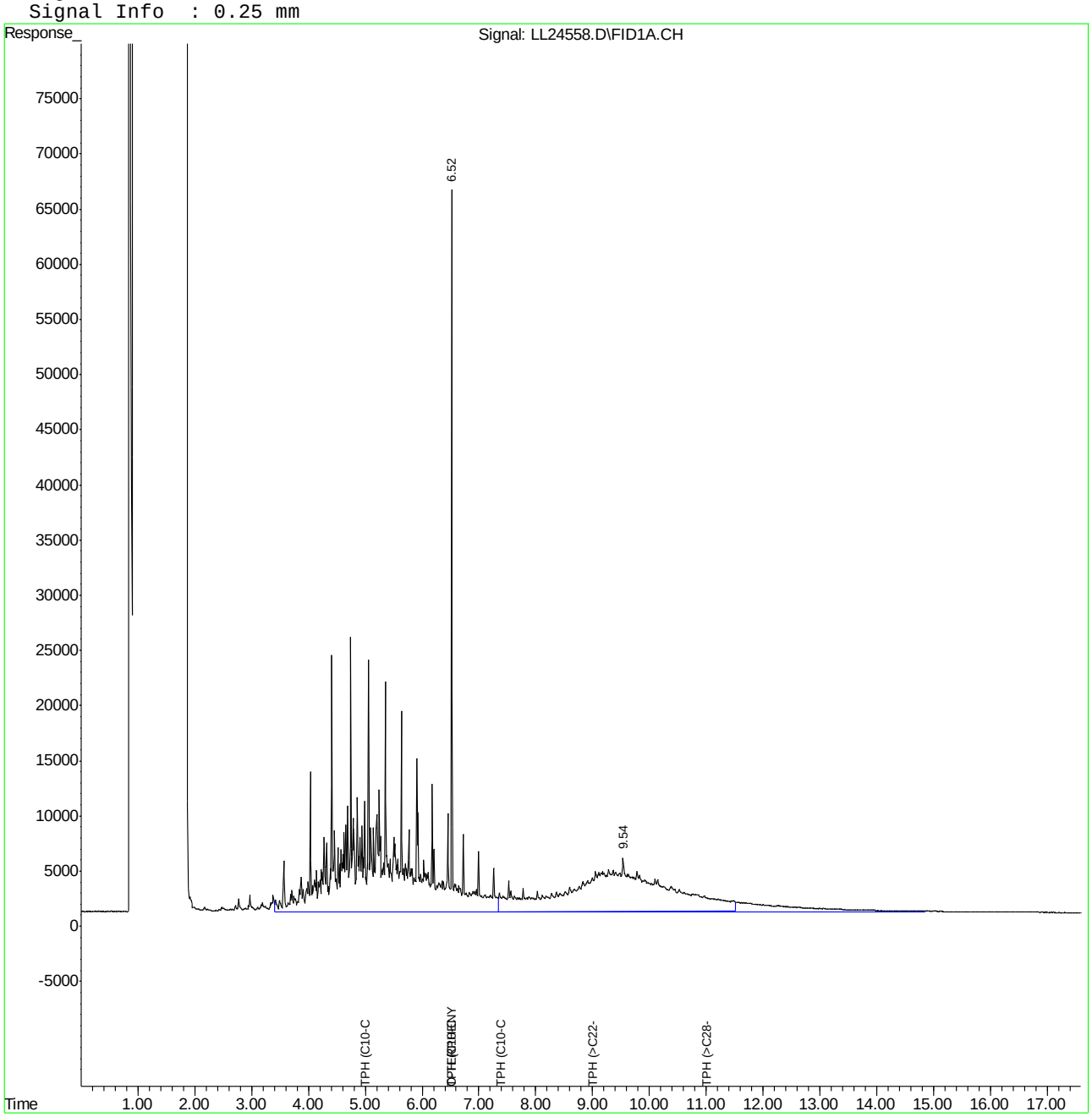
(f)=RT Delta > 1/2 Window (m)=manual int.
LL24558.D FDRO_OIL.M Thu Dec 18 13:40:07 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1217DROO\LL24558.D Vial: 3
Acq On : 17 Dec 2008 10:25 am Operator: natalyay
Sample : ic916-250 Inst : FID 4
Misc : OP27388,GLL916,30.0,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 17 12:37 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Wed Dec 17 10:16:21 2008
Response via : Multiple Level Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm



ACCUTEST Laboratories F61975

Manual Integrations APPROVED (compounds with "m" flag)
Mark Erstling 12/18/08 15:19

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1217DROO\LL24559.D Vial: 4
Acq On : 17 Dec 2008 10:49 am Operator: natalyay
Sample : ic916-500 Inst : FID 4
Misc : OP27388,GLL916,30.0,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 17 12:27:17 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Wed Dec 17 10:16:21 2008
Response via : Initial Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1) S	O-TERPHENYL	6.52	909613	13.152	PPM	m
Spiked Amount	50.000	Range 49 - 108	Recovery =	26.30%#		
	Target Compounds					
2) H	TPH (C10-C28)	6.51	18031917	477.768	PPM	
3) H	TPH (C10-C22)	5.00	15484228	470.957	PPM	
4) H	TPH (>C28-C40)	11.00	9125907	633.924	PPM	
5) H	TPH (>C22-C36)	9.00	10220074	577.784	PPM	
6) H	TPH (C10-C40)	7.39	27026018	1021.468	PPM	

10.5.15 10

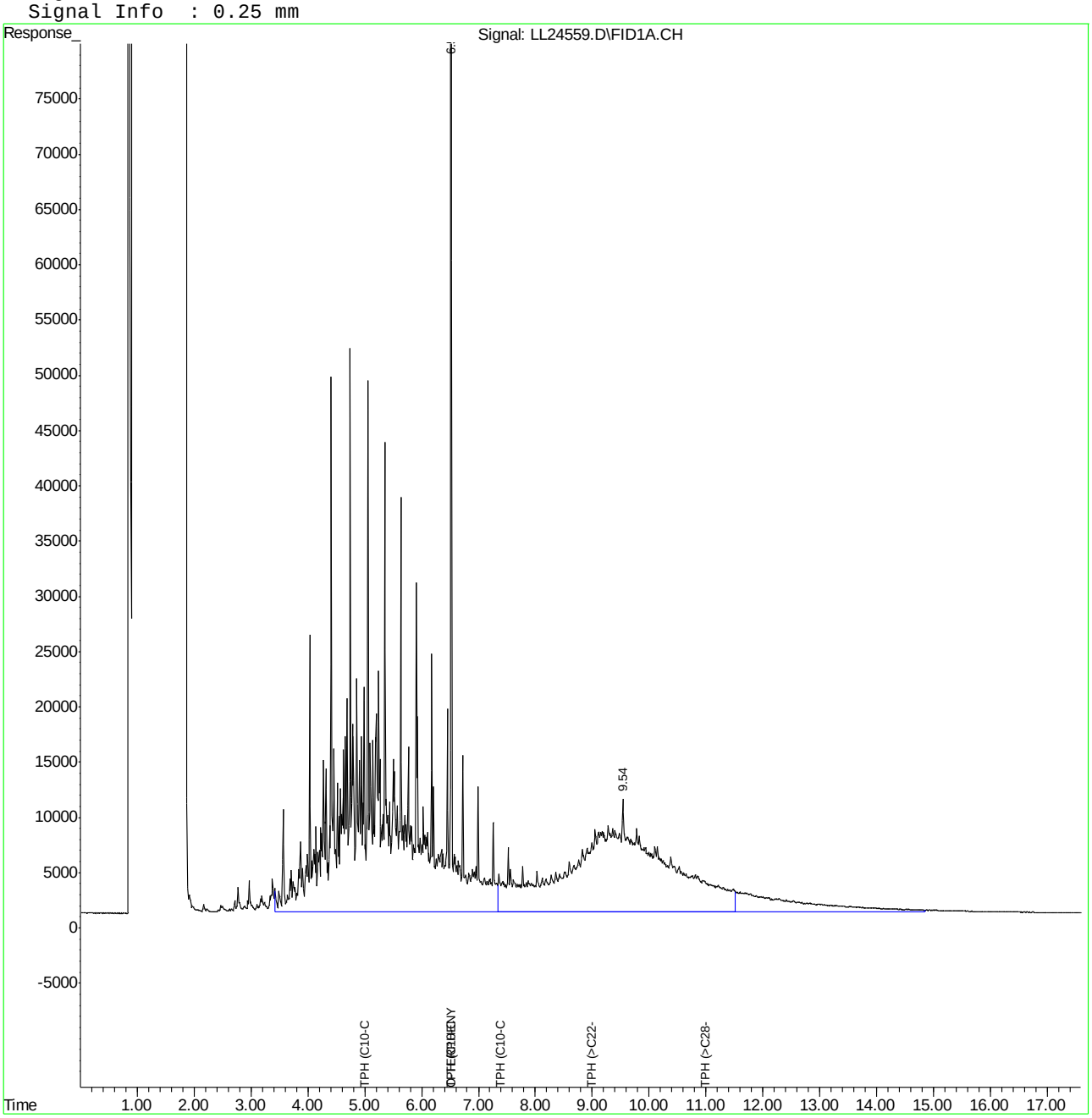
(f)=RT Delta > 1/2 Window (m)=manual int.
LL24559.D FDRO_OIL.M Thu Dec 18 13:40:11 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1217DROO\LL24559.D Vial: 4
Acq On : 17 Dec 2008 10:49 am Operator: natalyay
Sample : ic916-500 Inst : FID 4
Misc : OP27388,GLL916,30.0,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 17 12:41 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Wed Dec 17 10:16:21 2008
Response via : Multiple Level Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm



ACCUTEST Laboratories F61975

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1217DROO\LL24560.D Vial: 5
Acq On : 17 Dec 2008 11:13 am Operator: natalyay
Sample : icc916-1000 Inst : FID 4
Misc : OP27388,GLL916,30.0,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 17 12:27:21 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Wed Dec 17 10:16:21 2008
Response via : Initial Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S O-TERPHENYL	6.52	1745914	25.244 PPM
Spiked Amount 50.000	Range 49 - 108	Recovery = 50.49%	
Target Compounds			
2) H TPH (C10-C28)	6.51	34631843	917.595 PPM
3) H TPH (C10-C22)	5.00	29455400	895.893 PPM
4) H TPH (>C28-C40)	11.00	18209714	1264.924 PPM
5) H TPH (>C22-C36)	9.00	20024221	1132.055 PPM
6) H TPH (C10-C40)	7.39	52646189	1989.800 PPM

10.5.16 10

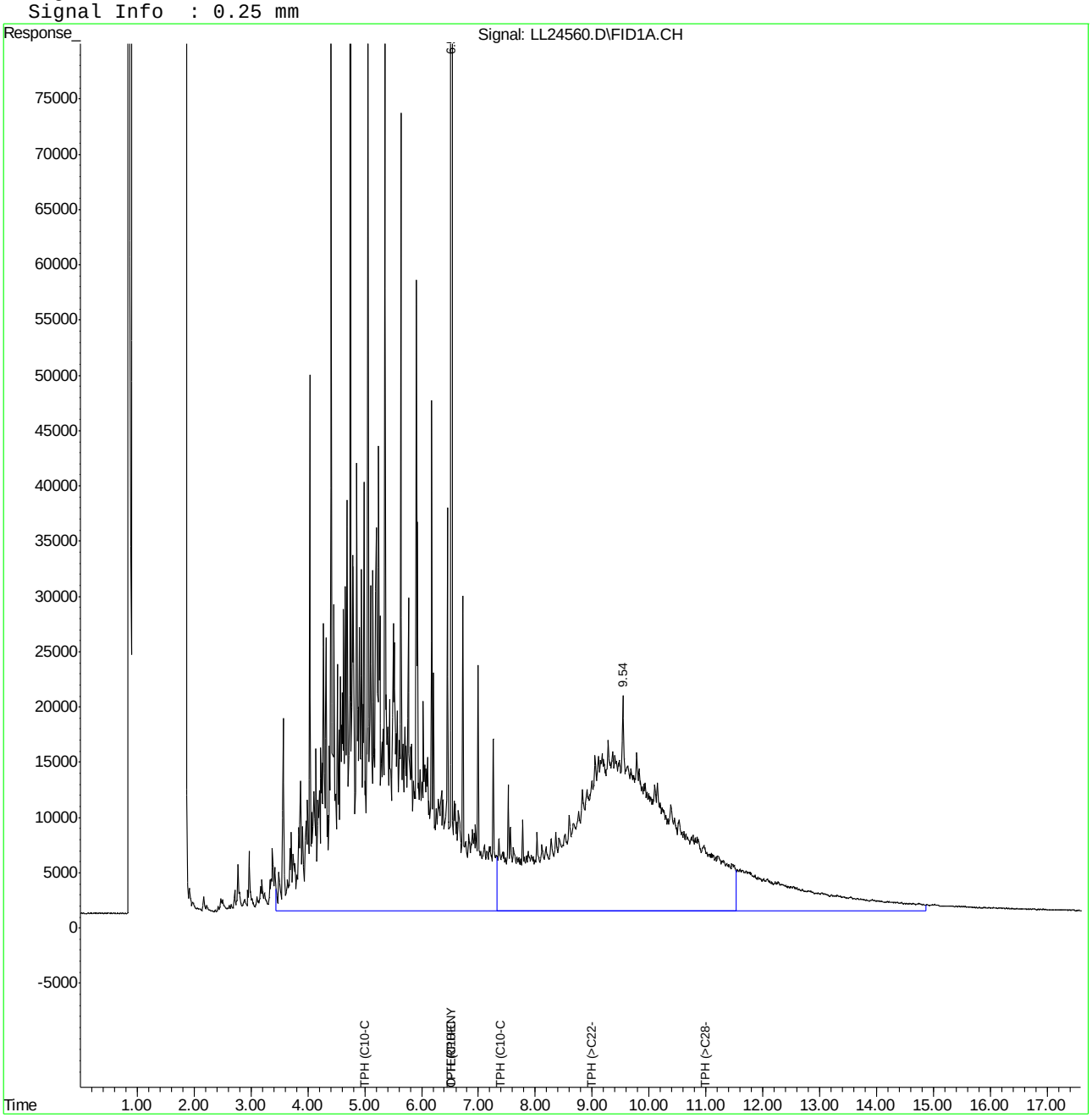
(f)=RT Delta > 1/2 Window (m)=manual int.
LL24560.D FDRO_OIL.M Thu Dec 18 13:40:14 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1217DROO\LL24560.D Vial: 5
Acq On : 17 Dec 2008 11:13 am Operator: natalyay
Sample : icc916-1000 Inst : FID 4
Misc : OP27388,GLL916,30.0,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 17 12:45 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Wed Dec 17 10:16:21 2008
Response via : Multiple Level Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm



ACCUTEST Laboratories F61975

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1217DROO\LL24561.D Vial: 6
Acq On : 17 Dec 2008 11:36 am Operator: natalyay
Sample : ic916-1500 Inst : FID 4
Misc : OP27388,GLL916,30.0,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 17 12:27:25 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Wed Dec 17 10:16:21 2008
Response via : Initial Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S O-TERPHENYL	6.53	2660740	38.472	PPM
Spiked Amount 50.000	Range 49 - 108	Recovery = 76.94%		
Target Compounds				
2) H TPH (C10-C28)	6.51	52758722	1397.880	PPM
3) H TPH (C10-C22)	5.00	44940361	1366.872	PPM
4) H TPH (>C28-C40)	11.00	28282360	1964.612	PPM
5) H TPH (>C22-C36)	9.00	30739111	1737.813	PPM
6) H TPH (C10-C40)	7.39	80774835	3052.943	PPM

10.5.17 10

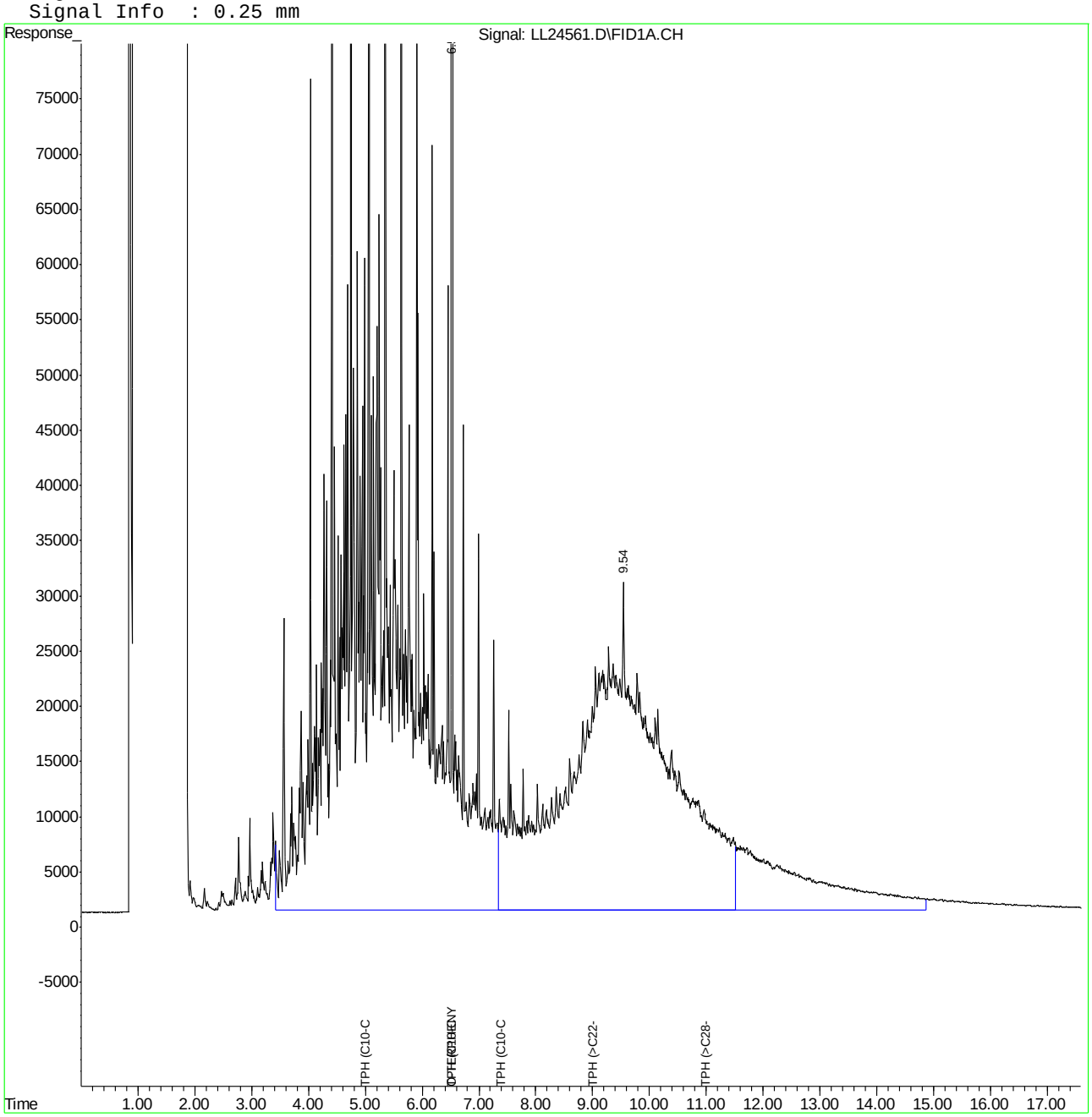
(f)=RT Delta > 1/2 Window (m)=manual int.
LL24561.D FDRO_OIL.M Thu Dec 18 13:40:16 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1217DROO\LL24561.D Vial: 6
Acq On : 17 Dec 2008 11:36 am Operator: natalyay
Sample : ic916-1500 Inst : FID 4
Misc : OP27388,GLL916,30.0,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 17 12:48 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Wed Dec 17 10:16:21 2008
Response via : Multiple Level Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm



ACCUTEST Laboratories F61975

Manual Integrations APPROVED (compounds with "m" flag)
Mark Erstling 12/18/08 15:19

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1217DROO\LL24562.D Vial: 7
Acq On : 17 Dec 2008 12:00 pm Operator: natalyay
Sample : ic916-2000 Inst : FID 4
Misc : OP27388,GLL916,30.0,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 17 12:27:29 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Wed Dec 17 10:16:21 2008
Response via : Initial Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1) S O-TERPHENYL	6.53	3733182	53.978	PPM	m
Spiked Amount 50.000	Range 49 - 108	Recovery = 107.96%			
Target Compounds					
2) H TPH (C10-C28)	6.51	73962663	1959.693	PPM	
3) H TPH (C10-C22)	5.00	62988553	1915.812	PPM	
4) H TPH (>C28-C40)	11.00	41403565	2876.067	PPM	
5) H TPH (>C22-C36)	9.00	44501617	2515.867	PPM	
6) H TPH (C10-C40)	7.39	115543077	4367.033	PPM	

10.5.18 10

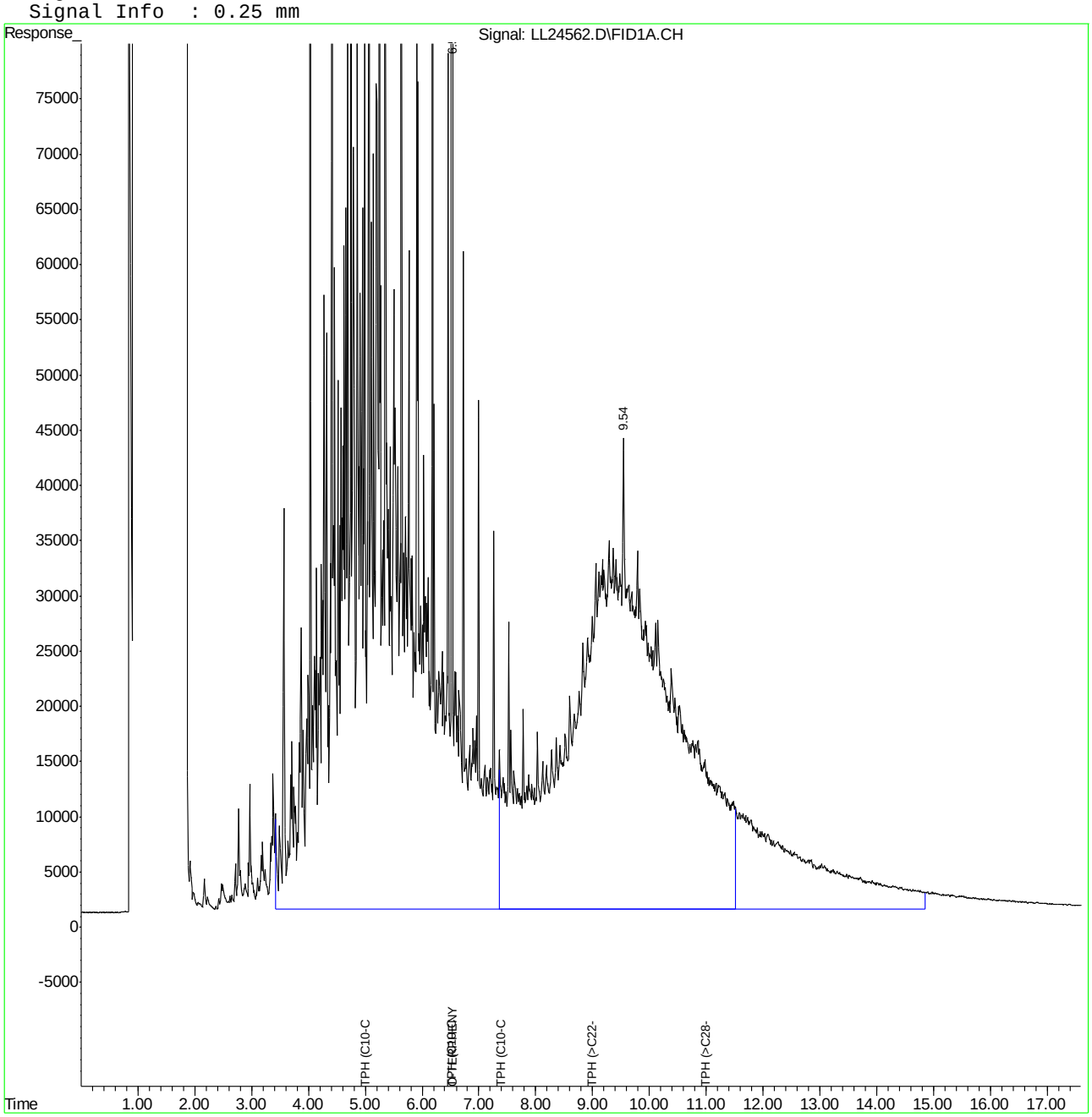
(f)=RT Delta > 1/2 Window (m)=manual int.
LL24562.D FDRO_OIL.M Thu Dec 18 13:40:20 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1217DROO\LL24562.D Vial: 7
Acq On : 17 Dec 2008 12:00 pm Operator: natalyay
Sample : ic916-2000 Inst : FID 4
Misc : OP27388,GLL916,30.0,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 17 12:51 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Wed Dec 17 10:16:21 2008
Response via : Multiple Level Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm



ACCUTEST Laboratories F61975

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1217DROO\LL24563.D Vial: 8
Acq On : 17 Dec 2008 12:27 pm Operator: natalyay
Sample : icv916-1000 Inst : FID 4
Misc : OP27388,GLL916,30.0,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 17 12:53:40 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Wed Dec 17 12:53:14 2008
Response via : Initial Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S O-TERPHENYL	0.00	0	N.D.	PPM d
Spiked Amount 50.000	Range 49 - 108	Recovery =	0.00%#	
Target Compounds				
2) H TPH (C10-C28)	6.51	35851203	1008.909	PPM
3) H TPH (C10-C22)	5.00	29338457	962.955	PPM
4) H TPH (>C28-C40)	11.00	19246197	1058.618	PPM
5) H TPH (>C22-C36)	9.00	22040908	1086.482	PPM
6) H TPH (C10-C40)	7.39	55358515	2048.419	PPM

(f)=RT Delta > 1/2 Window (m)=manual int.
LL24563.D FDRO_OIL.M Thu Dec 18 13:40:22 2008 Page 1

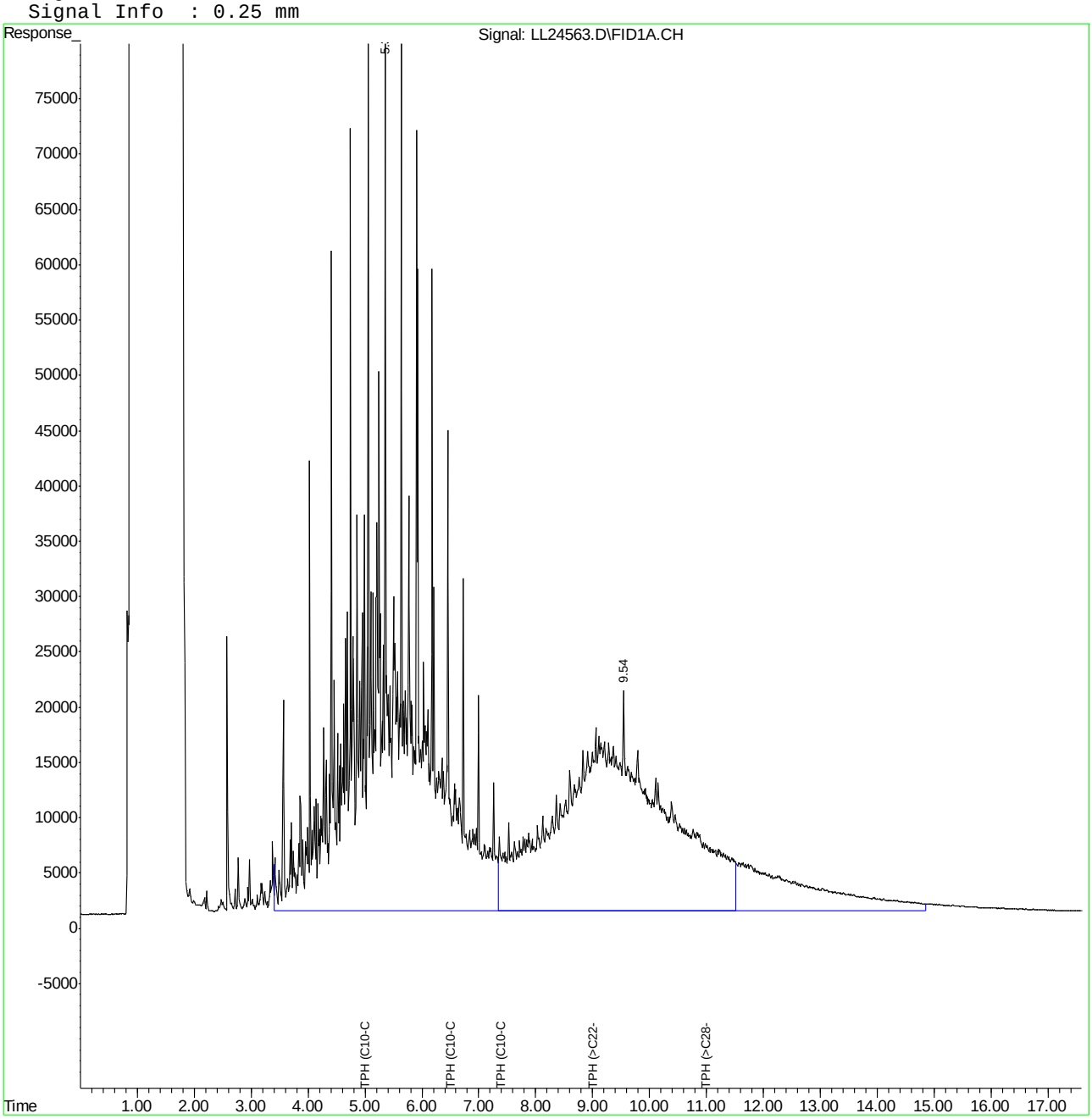
10.5.19 10

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1217DROO\LL24563.D Vial: 8
Acq On : 17 Dec 2008 12:27 pm Operator: natalyay
Sample : icv916-1000 Inst : FID 4
Misc : OP27388,GLL916,30.0,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 17 12:58 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Wed Dec 17 12:53:14 2008
Response via : Multiple Level Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm



ACCUTEST Laboratories F61975

Manual Integrations APPROVED (compounds with "m" flag)
Mark Erstling 12/18/08 15:19

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1217DROO\LL24575.D Vial: 20
Acq On : 12-17-08 05:16:10 PM Operator: natalyay
Sample : cc916-1000 Inst : FID 4
Misc : OP27393,GLL916,30.6,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 18 09:04:47 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Wed Dec 17 12:53:14 2008
Response via : Initial Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1) S	O-TERPHENYL	6.52	1781082	49.595	PPM	m
Spiked Amount	50.000	Range 49 - 108	Recovery =	99.19%		
	Target Compounds					
2) H	TPH (C10-C28)	6.51	35501329	999.063	PPM	
3) H	TPH (C10-C22)	5.00	30244772	992.703	PPM	
4) H	TPH (>C28-C40)	11.00	17831656	980.812	PPM	
5) H	TPH (>C22-C36)	9.00	20251578	998.279	PPM	
6) H	TPH (C10-C40)	7.39	53567334	1982.140	PPM	

10.5.20 10

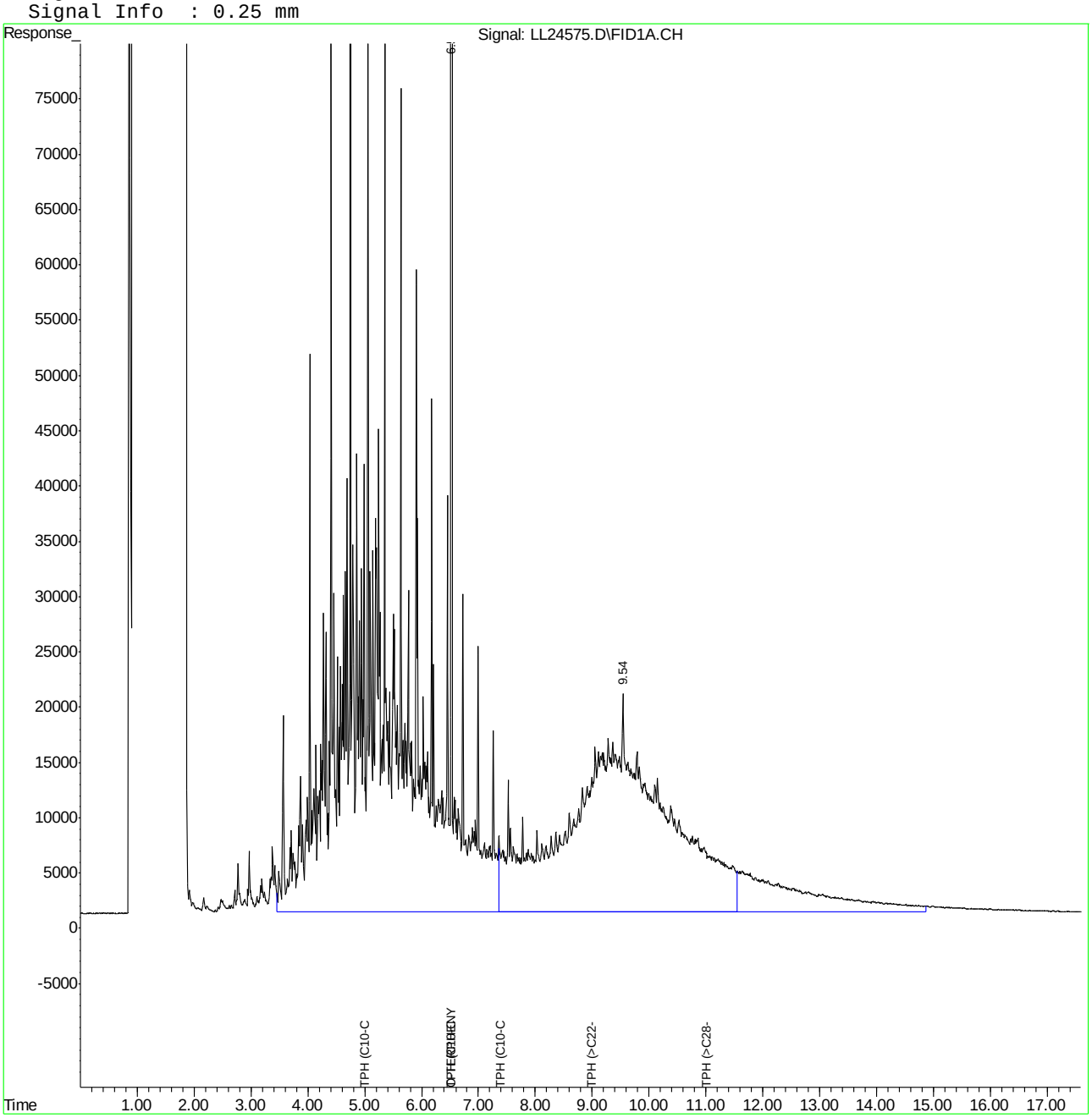
(f)=RT Delta > 1/2 Window (m)=manual int.
LL24575.D FDRO_OIL.M Thu Dec 18 13:40:59 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1217DROO\LL24575.D Vial: 20
Acq On : 12-17-08 05:16:10 PM Operator: natalyay
Sample : cc916-1000 Inst : FID 4
Misc : OP27393,GLL916,30.6,,,1,1,soil Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Dec 18 13:21 2008 Quant Results File: FDRO_OIL.RES

Quant Method : C:\MSDCHEM\1\METHODS\FDRO_OIL.M (Chemstation Integrator)
Title : TPH by SW846 8015B
Last Update : Wed Dec 17 12:53:14 2008
Response via : Multiple Level Calibration
DataAcq Meth : FAQR_TP2.M

Volume Inj. :
Signal Phase : DB-5
Signal Info : 0.25 mm



ACCUTEST Laboratories F61975

ACCUTEST LABORATORIES SE

DATE:	12/10/08
COLUMN TYPE:	DB-5
AMOUNT INJECTED:	2 ul
INSTRUMENT:	FID4-LL

GC FID4-LL ANALYSIS LOG

METHODS:	DRO
METHOD FILE:	FADR-TP2
CALIB. DATE:	12/10/08
RUN BATCH:	GLL 911

ANALYST:	NY
MECL2 LOT #:	G37400
SIGNAL 1 SURR. AREA:	3973743
SIGNAL 2 SURR. AREA:	

DATA FILE	ALS #	SAMPLE ID	SAMPLE METHOD	MATRIX	OP BATCH	INITIAL AMOUNT	FINAL VOL	DILUTION FACTOR	COMMENTS
LL 24428	1	dstc10-c40	DRO	SOIL				2.5	passed
LL 9	2	cc911-100		3090				x20	
LL 24430	3	-250						x8	
LL 1	4	-500						x4	
LL 2	5	cc911-1000						x2	
LL 3	6	cc911-1500						3.4	
LL 4	7	-2000						x1	
LL 5	8	cc911-1000		~~2833~~ 2833				20.200	
LL 6	9	ccb							BDL
LL 7	10	op 27325-bs		S	27325	30.0	1.0	x1	passed
LL 8	11	-mb				30.0			BDL
LL 9	12	f61902-1				30.1			
LL 24440	13	op 27325-ms				30.5			
LL 1	14	-msd				30.2			
LL 2	15	f61902-2				30.1			
LL 3	16	-3				30.0		x4	r-r x1
LL 4	17	-4				30.0		x1	
LL 5	18	f61903-1				30.1			
LL 6	19	-3				30.2			
LL 7	20	cc911-1000		3090				x2	passed
LL 8	21	ccb							BDL
LL 9	22	f61903-4		S	27325	30.0	1.0	x1	
LL 24450	23	-5				30.5			
LL 1	24	-6				30.2			
LL 2	25	f61903-2A				30.4			

Matrix: Designate "W" for Water, "S" for Soil, and "O" for Oil
Sample Amount: Initial Sample Weight (g) or Volume (ml) / Final Volume (ml)

Analyst's Signature: [signature]

ACCUTEST LABORATORIES SE

GC FID4-LL ANALYSIS LOG

DATE: 12/10/08	METHODS: 8100	ANALYST: NY
COLUMN TYPE: XB-5	METHOD FILE: EAQR-TPE	MECL2 LOT #: G37400
AMOUNT INJECTED: 2 ul	CALIB. DATE: 12/10/08	SIGNAL 1 SURR. AREA: 3473743
INSTRUMENT: FID4-LL	RUN BATCH: GLL911	SIGNAL 2 SURR. AREA:

DATA FILE	ALS #	SAMPLE ID	SAMPLE METHOD	MATRIX	OP BATCH	INITIAL AMOUNT	FINAL VOL	DILUTION FACTOR	COMMENTS
LL 24453	26	F61904-1	8100	S	27325	30.0	1.0	x1	✓
LL 4	27	-3	↓	↓	↓	30.3	↓	↓	✓
LL 5	28	-4				30.3			✓
LL 6	29	-2A				30.4			✓
LL 7	20	PCC911-1000		3090				x2	passed
LL									
LL									
LL									
LL									
LL									
LL									
LL									
LL									
LL									
LL									
LL									
LL									
LL									
LL									
LL									
LL									
LL									
LL									
LL									
LL									
LL									
LL									
LL									
LL									
LL									

12/11/08 NY

Matrix: Designate "W" for Water, "S" for Soil, and "O" for Oil

Sample Amount: Initial Sample Weight (g) or Volume (ml) / Final Volume (ml)

Analyst's Signature: [signature]

ACCUTEST LABORATORIES SE

GC FID4-LL ANALYSIS LOG

DATE: 12/12/05	METHODS: ARQQ	ANALYST: NV
COLUMN TYPE: RTX-5	METHOD FILE: FAQR_TP2	MECL2 LOT #: G37400
AMOUNT INJECTED: 2 ul	CALIB. DATE: 12/10/05	SIGNAL 1 SURR. AREA: 3795556
INSTRUMENT: FID4-LL	RUN BATCH: GLL913	SIGNAL 2 SURR. AREA:

DATA FILE	ALS #	SAMPLE ID	SAMPLE METHOD	MATRIX	OP BATCH	INITIAL AMOUNT	FINAL VOL	DILUTION FACTOR	COMMENTS
LL 24494	1	Mstd40-C40	ARQQ	53108				2.5	passed
LL 5	2	cc911-1000		53090				x2	↓
LL 6	3	ccb							BQ ✓
LL 7	4	Op27370-mb		W	27370	1000	1.0	x1	ISD ✓
LL 8	5	f61886-1		↓	↓	1050	↓	x1	✓
LL 9	6	f61905-1				1050		x2	✓
LL 24500	7	f61994-1				1050		x1	✓
LL 1	8	Op27426-bs		S	27426	30.0	1.0	x1	✓ passed
LL 2	9	- mb			↓	30.0			ISD ✓
LL 3	10	f61772-10re				29.8			report as cf
LL 4	11	Op27388-bs			27388	30.0			passed
LL 5	12	- mb				30.0			BQ ✓
LL 6	13	f61932-1			↓	30.2			✓
LL 7	14	cc911-1000		53090				x2	passed
LL 8	15	ccb							BQ ✓
LL 9	16	f61932-2		S	27388	30.7	1.0	x1	✓
LL 24510	17	-4				30.1			✓
LL 1	18	-6				30.5			✓
LL 2	19	-7				30.7			✓
LL 3	20	-8				30.2			✓
LL 4	21	-9				30.2		↓	✓
LL 5	22	-24				30.3		x5	r-r x1
LL 6	23	-5A				30.6		x1	r-r x4
LL 7	24	f61934-1		↓		30.6		x1	✓
LL 8	1	Mstd10-C40	↓	53108				2.5	passed

Matrix: Designate "W" for Water, "S" for Soil, and "O" for Oil

Sample Amount: Initial Sample Weight (g) or Volume (ml) / Final Volume (ml)

Analyst's Signature: [signature]

ACCUTEST LABORATORIES SE

GC FID4-LL ANALYSIS LOG

DATE: 12/12/08	METHODS: 8260	ANALYST: NY
COLUMN TYPE: RTX-5	METHOD FILE: EARR-TP2	MECL2 LOT #: 637400
AMOUNT INJECTED: 2 ul	CALIB. DATE: 12/10/08	SIGNAL 1 SURR. AREA: 3795556
INSTRUMENT: FID4-LL	RUN BATCH: GLL913	SIGNAL 2 SURR. AREA:

DATA FILE	ALS #	SAMPLE ID	SAMPLE METHOD	MATRIX	OP BATCH	INITIAL AMOUNT	FINAL VOL	DILUTION FACTOR	COMMENTS
LL 24519	14	cc911-1000	8260	S3090				2X	Passed
LL 24520	15	ccb							BDL
LL 1	25	op27388-mj		S	27388	30.3	1.0	X1	Passed
LL 2	26	-msd				30.1			Passed
LL 3	27	f61934-2				30.4			✓
LL 4	28	-3				30.4			✓
LL 5	29	-4				30.7			✓
LL 6	30	f61975-1				30.6			✓
LL 7	31	-2				30.0			✓
LL 8	32	-3				30.9			✓
LL 9	33	-4				30.2			✓
LL 24530	34	-5				30.8			✓
LL 1	35	cc911-500		S3090				X4	Passed
LL 2	36	ccb							BDL
LL 3	37	f61975-6		S	27388	30.3	1.0	X1	✓
LL 4	38	-7		↓	↓	30.6	↓	X1	
LL 5	35	ccc911-500		S3090				X4	Passed
LL									
LL									
LL									
LL									
LL									
LL									
LL									
LL									

12/15/08 NY

Matrix: Designate "W" for Water, "S" for Soil, and "O" for Oil

Sample Amount: Initial Sample Weight (g) or Volume (ml) / Final Volume (ml)

Analyst's Signature: [signature]

ACCUTEST LABORATORIES SE

GC FID4-LL ANALYSIS LOG

DATE: 12/17/08	METHODS: 8260	ANALYST: NF
COLUMN TYPE: DB-5	METHOD FILE: FA0R-TP2	MECL2 LOT #: G37Y00
AMOUNT INJECTED: 2 ul	CALIB. DATE: 12/17/08	SIGNAL 1 SURR. AREA: 178082
INSTRUMENT: FID4-LL	RUN BATCH: GLL 916	SIGNAL 2 SURR. AREA:

DATA FILE	ALS #	SAMPLE ID	SAMPLE METHOD	MATRIX	OP BATCH	INITIAL AMOUNT	FINAL VOL	DILUTION FACTOR	COMMENTS
LL 24556	1	rtstC10-C40	8260	S3108				2.5	passed
LL 7	2	IC 916 - 100	↓	S3111				x10	↓
LL 8	3	- 250		↓				x8	
LL 9	4	- 500						x4	
LL 24560	5	ICC 916 - 1000						x2	
LL 1	6	IC 916 - 1500						3.4	
LL 2	7	- 2000						x1	
LL 3	8	ICV 916 - 1000		E0849 E0943	NF 12/18/08			200:200	↓
LL 4	9	CCB							BAZ ↓
LL 5	10	OP 27388-mb		S	27388	30.0	1.0	x1	↓
LL 6	11	F61532-2A			↓	30.3		x1	✓
LL 7	12	-5A				30.6		x4	✓
LL 8	13	OP27393-BS			27393	30.0		x1	passed
LL 9	14	- mb				30.0			BAZ ✓
LL 24570	15	F61976-1				30.1			✓
LL 1	16	-2				30.6			✓
LL 2	17	-3				30.5			✓
LL 3	18	-4				30.0			✓
LL 4	19	-5		↓	↓	30.6	↓	↓	✓
LL 5	20	CC 916 - 1000		S3111				x2	passed
LL 6	21	CCB							BAZ ✓
LL 7	22	F61976-6		S	27395	30.1	1.0	x1	✓
LL 8	23	F62028-1				30.9			✓
LL 9	24	-2				30.1			✓
LL 24580	25	-3	↓	↓	↓	30.0	↓	↓	✓

Matrix: Designate "W" for Water, "S" for Soil, and "O" for Oil

Sample Amount: Initial Sample Weight (g) or Volume (ml) / Final Volume (ml)

Analyst's Signature: [signature]

ACCUTEST LABORATORIES SE

GC FID4-LL ANALYSIS LOG

DATE: 12/17/08	METHODS: 8260	ANALYST: AV
COLUMN TYPE: RTX-5	METHOD FILE: FAQR-TP1	MECL2 LOT #: G374000
AMOUNT INJECTED: 2 ul	CALIB. DATE: 12/17/08	SIGNAL 1 SURR. AREA: 178082
INSTRUMENT: FID4-LL	RUN BATCH: GLL 916	SIGNAL 2 SURR. AREA:

DATA FILE	ALS #	SAMPLE ID	SAMPLE METHOD	MATRIX	OP BATCH	INITIAL AMOUNT	FINAL VOL	DILUTION FACTOR	COMMENTS
LL 24581	26	f62028-4	8260	S	27393	30.7	1.0	X1	✓
LL 2	27	-5	↓	↓	↓	30.2	↓	↓	✓
LL 3	28	-6	↓	↓	↓	30.9	↓	↓	✓
LL 4	1	Mstd C10 C40	↓	53108	↓	↓	↓	2.5	passed
LL 5	20	cc916-1000	↓	53111	↓	↓	↓	X2	✓
LL 6	21	ccb	↓	↓	↓	↓	↓	↓	BNA ✓
LL 7	29	f62033-1	↓	S	27393	30.1	1.0	X1	✓
LL 8	30	-2	↓	↓	↓	30.5	↓	↓	✓
LL 9	31	-3	↓	↓	↓	30.6	↓	↓	✓
LL 24590	32	f62034-1	↓	↓	↓	30.3	↓	↓	✓
LL 1	33	-2	↓	↓	↓	30.3	↓	X5	✓ r-r X1
LL 2	34	-3	↓	↓	↓	30.6	↓	X5	✓ r-r X1
LL 3	35	-4	↓	↓	↓	30.4	↓	X1	✓
LL 4	36	9027393-ms	↓	↓	↓	30.5	↓	↓	✓
LL 5	37	-msd	↓	↓	↓	30.6	↓	↓	✓
LL 6	38	cc916-1000	↓	53111				X2	passed
LL									
LL									
LL									
LL		12/18/08							
LL									
LL									
LL									
LL									
LL									
LL									

Matrix: Designate "W" for Water, "S" for Soil, and "O" for Oil

Sample Amount: Initial Sample Weight (g) or Volume (ml) / Final Volume (ml)

Analyst's Signature: [signature]

SOLID SAMPLE PREP REPORT

Date: 12/09/08 Analytical Method: 8015 DRO Batch#: OP 27388

Prep Method: (3550B) 8330A 8332 or Method Analyst: MB, RO, DC, RS

Sample ID	Bottle Number	Amount Extracted (g)	Surrogate Amount	Spike Amount	Final Volume (ml)	Comments
OP27388 MB	X	30.0	0.5ml		1.0ml	
OP 27388 BS	X	30.0		0.5to.5ml		
F61932-1	6	30.2				
-3	6	30.7				
-4	6	30.1				
-6	6	30.5				
-7	6	30.7				
-8	6	30.2				
-9	6	30.2				
-2A	6	30.3				
-5A	6	30.6				
F61934-1	17	30.6				MS/MSD
-2	6	30.4				
-3	6	30.4				
-4	6	30.7				
F61975-1	6	30.6				
-2	6	30.0				
-3	6	30.9				
-4	6	30.2				
-5	6	30.8				
-6	6	30.3				
-7	6	30.6				
F61934-1 MS	17	30.3		0.5to.5ml		
-1 MSD	17	30.1	↓	↓	↓	
DUP						

W.J. 12/09/08

Comments:

Surrogate ID: E2831H Conc: 100ppm Exp. Date: 05-21-09
Injected By: DC Verified By: RO
Bath Temp.: 45°C

Spike ID: E2819 E2832 Conc: 2000ppm Exp. Date: 05-07-09 06-02-09
Injected By: DC Verified By: RO
Bath Temp2.: —

CH2CL2 Lot# 637400 Hexane Lot# — Na2SO4 Lot# SS1066

Acetonitrile Lot# — Methanol Lot# — Acetone Lot# —

Syringe Filter Lot# — Reagent #: 067426 SILICA GEL Reagent #: —

Relinquished By: Will Vinyard Date: 12/09/08

Accepted By: Fouad Date: 12/09/08

EXTSOLID.XLS NF rev. 02/07

Accutest Laboratories SE

10.7.1 10

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Percent Solids Raw Data Summary

Percent Solids Raw Data Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample: F61975-1 **Analyzed:** 08-DEC-08 by AJC **Method:** SM19 2540B M
ClientID: SS61-SB43-12

Wet Weight (Total)	7.52	g
Tare Weight	1.02	g
Dry Weight (Total)	6.46	g
Solids, Percent	83.7	%

Sample: F61975-2 **Analyzed:** 08-DEC-08 by AJC **Method:** SM19 2540B M
ClientID: SS61-SB43-15

Wet Weight (Total)	7.69	g
Tare Weight	1.03	g
Dry Weight (Total)	6.58	g
Solids, Percent	83.3	%

Sample: F61975-3 **Analyzed:** 08-DEC-08 by AJC **Method:** SM19 2540B M
ClientID: SS61-SB43-15-a

Wet Weight (Total)	8.4	g
Tare Weight	.98	g
Dry Weight (Total)	7.38	g
Solids, Percent	86.3	%

Sample: F61975-4 **Analyzed:** 08-DEC-08 by AJC **Method:** SM19 2540B M
ClientID: SS61-SB43-30

Wet Weight (Total)	7.89	g
Tare Weight	1.01	g
Dry Weight (Total)	6.88	g
Solids, Percent	85.3	%

Sample: F61975-5 **Analyzed:** 08-DEC-08 by AJC **Method:** SM19 2540B M
ClientID: SS61-SB44-25

Wet Weight (Total)	7.59	g
Tare Weight	1.03	g
Dry Weight (Total)	6.29	g
Solids, Percent	80.2	%

Sample: F61975-6 **Analyzed:** 08-DEC-08 by AJC **Method:** SM19 2540B M
ClientID: SS61-SB44-26

Wet Weight (Total)	7.64	g
Tare Weight	1	g
Dry Weight (Total)	6.73	g
Solids, Percent	86.3	%

Percent Solids Raw Data Summary

Job Number: F61975
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample: F61975-7 **Analyzed:** 09-DEC-08 by LE **Method:** SM19 2540B M
ClientID: SS61-SB44-30

Wet Weight (Total)	7.24	g
Tare Weight	1.03	g
Dry Weight (Total)	6.08	g
Solids, Percent	81.3	%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/29/08

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F61976

Sampling Date: 12/03/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **73**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Sections: 1 2 3 4 5 6 7

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **7**
3.1: F61976-1: SS61-SB41-11 8
3.2: F61976-2: SS61-SB41-14 13
3.3: F61976-3: SS61-SB41-35 18
3.4: F61976-4: SS61-SB42-12 23
3.5: F61976-5: SS61-SB42-19 28
3.6: F61976-6: SS61-SB42-35 33
3.7: F61976-7: TRIP BLANK 38
Section 4: Misc. Forms **41**
4.1: Chain of Custody 42
Section 5: GC/MS Volatiles - QC Data Summaries **44**
5.1: Method Blank Summary 45
5.2: Blank Spike Summary 48
5.3: Matrix Spike/Matrix Spike Duplicate Summary 51
Section 6: GC Volatiles - QC Data Summaries **54**
6.1: Method Blank Summary 55
6.2: Blank Spike Summary 60
6.3: Matrix Spike/Matrix Spike Duplicate Summary 65
Section 7: GC Semi-volatiles - QC Data Summaries **69**
7.1: Method Blank Summary 70
7.2: Blank Spike Summary 72
7.3: Matrix Spike/Matrix Spike Duplicate Summary 73

Sample Summary

North Wind, Inc

Job No: F61976

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F61976-1	12/03/08	13:15	ZB	12/05/08	SO	Soil	SS61-SB41-11
F61976-2	12/03/08	13:30	ZB	12/05/08	SO	Soil	SS61-SB41-14
F61976-3	12/03/08	13:45	ZB	12/05/08	SO	Soil	SS61-SB41-35
F61976-4	12/03/08	15:15	ZB	12/05/08	SO	Soil	SS61-SB42-12
F61976-5	12/03/08	15:30	ZB	12/05/08	SO	Soil	SS61-SB42-19
F61976-6	12/03/08	15:45	ZB	12/05/08	SO	Soil	SS61-SB42-35
F61976-7	12/03/08	00:00	ZB	12/05/08	SO	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F61976

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/23/2008 11:40:51

6 Samples, 1 Trip Blank were collected on 12/03/2008 and received at Accutest on 12/05/2008 properly preserved, at 1.8 Deg. C and intact. These Samples received an Accutest job number of F61976. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2071

All samples were analyzed within the recommended method holding time.

Sample(s) F61975-4MS, F61975-4MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for Acetone, Acrolein, Methyl ethyl ketone, Propionitrile, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for Acetone, Acrolein, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 2-Hexanone, Acetone, Acrolein, Benzyl Chloride, Ethyl methacrylate, Methacrylonitrile, Methyl ethyl ketone, Propionitrile, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

RPD(s) for MSD for Acetone, Acetonitrile, Acrylonitrile, Methacrylonitrile, Methyl ethyl ketone, Methyl methacrylate, Propionitrile, Vinyl Acetate are outside control limits for sample F61975-4MSD. Probable cause due to sample homogeneity.

F61976-3 for Acetone: CCV outside of control limits; results may be biased low.

F61976-2 for Propionitrile: CCV outside of control limits; results may be biased low.

F61976-2 for Methyl ethyl ketone: CCV outside of control limits; results may be biased low.

F61976-2 for Acetone: CCV outside of control limits; results may be biased low.

F61976-1 for Methylene chloride: Suspected laboratory contaminant.

F61976-1 for Acetone: CCV outside of control limits; results may be biased low.

F61976-1 for Methyl ethyl ketone: CCV outside of control limits; results may be biased low.

F61976-3 for Methyl ethyl ketone: CCV outside of control limits; results may be biased low.

F61976-7 for Propionitrile: CCV outside of control limits; results may be biased low.

F61976-1 for Propionitrile: CCV outside of control limits; results may be biased low.

F61976-5 for Propionitrile: CCV outside of control limits; results may be biased low.

F61976-7 for Methyl ethyl ketone: CCV outside of control limits; results may be biased low.

F61976-7 for Acetone: CCV outside of control limits; results may be biased low.

F61976-6 for Methylene chloride: Suspected laboratory contaminant.

F61976-6 for Propionitrile: CCV outside of control limits; results may be biased low.

F61976-6 for Methyl ethyl ketone: CCV outside of control limits; results may be biased low.

F61976-2 for Methylene chloride: Suspected laboratory contaminant.

F61976-5 for Methylene chloride: Suspected laboratory contaminant.

F61976-3 for Propionitrile: CCV outside of control limits; results may be biased low.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2071

F61976-5 for Methyl ethyl ketone: CCV outside of control limits; results may be biased low.

F61976-5 for Acetone: CCV outside of control limits; results may be biased low.

F61976-4 for Methylene chloride: Suspected laboratory contaminant.

F61976-4 for Propionitrile: CCV outside of control limits; results may be biased low.
F61976-4 for Methyl ethyl ketone: CCV outside of control limits; results may be biased low.
F61976-4 for Acetone: CCV outside of control limits; results may be biased low.
F61976-3 for Methylene chloride: Suspected laboratory contaminant.
F61976-6 for Acetone: CCV outside of control limits; results may be biased low.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GCD3632

All samples were analyzed within the recommended method holding time.
All method blanks for this batch meet method specific criteria.
Sample(s) F61934-1MS, F61934-1MSD were used as the QC samples indicated.
Sample(s) F61976-2, F61976-5 have surrogates outside control limits. Probable cause due to matrix interference.
F61976-2 for 4-Bromofluorobenzene: Outside control limits due to matrix interference.
F61976-2 for 4-Bromofluorobenzene: Result reported from PID.

Matrix: SO **Batch ID:** GCD3633

All samples were analyzed within the recommended method holding time.
All method blanks for this batch meet method specific criteria.
Sample(s) F61976-2, F61976-5 have surrogates outside control limits. Probable cause due to matrix interference.
F61976-5 for 4-Bromofluorobenzene: Outside control limits due to matrix interference.
F61976-5 for 4-Bromofluorobenzene: Result reported from PID.

Matrix: SO **Batch ID:** GCD3635

All samples were analyzed within the recommended method holding time.
All method blanks for this batch meet method specific criteria.
Sample(s) F61976-2, F61976-5 have surrogates outside control limits. Probable cause due to matrix interference.

Matrix: SO **Batch ID:** GQR1968

All samples were analyzed within the recommended method holding time.
Sample(s) F61976-2MS, F61976-2MSD were used as the QC samples indicated.
All method blanks for this batch meet method specific criteria.
Sample(s) F61976-2, F61976-5 have surrogates outside control limits. Probable cause due to matrix interference.

Matrix: SO **Batch ID:** GQR1969

All method blanks for this batch meet method specific criteria.
Sample(s) F62034-1MS, F62034-1MSD were used as the QC samples indicated.
Sample(s) F61976-2, F61976-5 have surrogates outside control limits. Probable cause due to matrix interference.
F61976-1: Confirmation run.
F61976-3: Confirmation run.
F61976-6: Confirmation run.
F61976-4: Confirmation run.
F61976-5 for TPH-GRO (C6-C10): Results from different vials are not consistent; higher results were reported.

Extractables by GC By Method SW846 8015 M

Matrix: SO **Batch ID:** OP27393

All samples were extracted within the recommended method holding time.
All samples were analyzed within the recommended method holding time.
All method blanks for this batch meet method specific criteria.
Sample(s) F62034-4MS, F62034-4MSD were used as the QC samples indicated.

Wet Chemistry By Method SM19 2540B M

Matrix: SO **Batch ID:** GN33076

Sample(s) F61934-3DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision,

accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____

Svetlana Izosimova, QAO (signature on file)

Date: December 23, 2008

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-SB41-11		
Lab Sample ID:	F61976-1	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054823.D	1	12/12/08	MM	12/05/08 10:45	n/a	VG2071
Run #2							

	Initial Weight
Run #1	4.72 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	63	31	ug/kg	
75-05-8	Acetonitrile	ND	63	20	ug/kg	
107-02-8	Acrolein	ND	31	12	ug/kg	
107-13-1	Acrylonitrile	ND	31	8.7	ug/kg	
107-05-1	Allyl chloride	ND	31	6.3	ug/kg	
71-43-2	Benzene	ND	6.3	1.3	ug/kg	
100-44-7	Benzyl Chloride	ND	6.3	1.4	ug/kg	
108-86-1	Bromobenzene	ND	6.3	1.3	ug/kg	
74-97-5	Bromochloromethane	ND	6.3	2.1	ug/kg	
75-27-4	Bromodichloromethane	ND	6.3	1.5	ug/kg	
75-25-2	Bromoform	ND	6.3	1.9	ug/kg	
104-51-8	n-Butylbenzene	ND	6.3	1.8	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.3	1.4	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.3	1.4	ug/kg	
108-90-7	Chlorobenzene	ND	6.3	1.3	ug/kg	
75-00-3	Chloroethane	ND	6.3	2.5	ug/kg	
67-66-3	Chloroform	ND	6.3	2.1	ug/kg	
544-10-5	1-Chlorohexane	ND	6.3	1.6	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.3	1.3	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.3	1.3	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	31	13	ug/kg	
75-15-0	Carbon disulfide	ND	6.3	1.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.3	1.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.3	2.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.3	1.6	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.3	1.8	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.3	3.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.3	1.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.3	1.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.3	1.8	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.3	1.3	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.3	2.6	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB41-11		
Lab Sample ID:	F61976-1	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	6.3	1.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.3	2.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.3	2.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.3	1.6	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	31	6.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.3	1.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.3	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.3	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.3	1.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.3	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	6.3	1.3	ug/kg	
97-63-2	Ethyl methacrylate	ND	31	6.3	ug/kg	
76-13-1	Freon 113	ND	6.3	3.3	ug/kg	
591-78-6	2-Hexanone	ND	31	6.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.3	1.5	ug/kg	
110-54-3	Hexane	ND	6.3	3.0	ug/kg	
98-82-8	Isopropylbenzene	ND	6.3	1.4	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.3	1.4	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	31	8.0	ug/kg	
126-98-7	Methacrylonitrile	ND	31	6.9	ug/kg	
74-83-9	Methyl bromide	ND	6.3	2.8	ug/kg	
74-87-3	Methyl chloride	ND	6.3	3.0	ug/kg	
74-88-4	Methyl iodide	ND	13	2.5	ug/kg	
80-62-6	Methyl methacrylate	ND	31	6.3	ug/kg	
74-95-3	Methylene bromide	ND	6.3	1.9	ug/kg	
75-09-2	Methylene chloride [b]	10.1	13	6.3	ug/kg	J
78-93-3	Methyl ethyl ketone [a]	ND	31	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.3	1.9	ug/kg	
91-20-3	Naphthalene	ND	6.3	2.5	ug/kg	
76-01-7	Pentachloroethane	ND	31	6.3	ug/kg	
107-12-0	Propionitrile [a]	ND	63	15	ug/kg	
103-65-1	n-Propylbenzene	ND	6.3	1.5	ug/kg	
100-42-5	Styrene	ND	6.3	1.3	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.3	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.3	1.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.3	2.3	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.3	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.3	2.5	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.3	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.3	2.5	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB41-11		
Lab Sample ID:	F61976-1	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	6.3	1.3	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.3	1.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.3	1.5	ug/kg	
108-88-3	Toluene	ND	6.3	1.3	ug/kg	
79-01-6	Trichloroethylene	ND	6.3	1.5	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.3	2.5	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	31	6.3	ug/kg	
75-01-4	Vinyl chloride	ND	6.3	2.5	ug/kg	
108-05-4	Vinyl Acetate	ND	31	15	ug/kg	
	m,p-Xylene	ND	13	2.4	ug/kg	
95-47-6	o-Xylene	ND	6.3	1.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-121%
2037-26-5	Toluene-D8	90%		71-130%
460-00-4	4-Bromofluorobenzene	95%		59-148%
17060-07-0	1,2-Dichloroethane-D4	107%		77-123%

(a) CCV outside of control limits; results may be biased low.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB41-11		
Lab Sample ID:	F61976-1	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	84.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086371.D	1	12/10/08	JG	12/05/08 10:45	n/a	GCD3632
Run #2 [a]	QR045299.D	1	12/17/08	AH	12/05/08 10:45	n/a	GQR1969

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.98 g	5.0 ml	100 ul
Run #2	4.98 g	5.0 ml	100 ul

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.9	3.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	86%	78%	56-136%
98-08-8	aaa-Trifluorotoluene	85%	80%	61-121%

(a) Confirmation run.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB41-11		
Lab Sample ID:	F61976-1	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	84.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24570.D	1	12/17/08	NY	12/09/08	OP27393	GLL916
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.8	5.9	mg/kg	
	TPH (> C22-C36)	ND	9.8	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	71%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB41-14		
Lab Sample ID:	F61976-2	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054824.D	1	12/12/08	MM	12/05/08 10:45	n/a	VG2071
Run #2							

	Initial Weight
Run #1	5.27 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	44.5	58	29	ug/kg	J
75-05-8	Acetonitrile	ND	58	19	ug/kg	
107-02-8	Acrolein	ND	29	11	ug/kg	
107-13-1	Acrylonitrile	ND	29	8.1	ug/kg	
107-05-1	Allyl chloride	ND	29	5.8	ug/kg	
71-43-2	Benzene	ND	5.8	1.2	ug/kg	
100-44-7	Benzyl Chloride	ND	5.8	1.3	ug/kg	
108-86-1	Bromobenzene	ND	5.8	1.2	ug/kg	
74-97-5	Bromochloromethane	ND	5.8	2.0	ug/kg	
75-27-4	Bromodichloromethane	ND	5.8	1.4	ug/kg	
75-25-2	Bromoform	ND	5.8	1.8	ug/kg	
104-51-8	n-Butylbenzene	ND	5.8	1.6	ug/kg	
135-98-8	sec-Butylbenzene	9.3	5.8	1.3	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.8	1.3	ug/kg	
108-90-7	Chlorobenzene	ND	5.8	1.2	ug/kg	
75-00-3	Chloroethane	ND	5.8	2.3	ug/kg	
67-66-3	Chloroform	ND	5.8	2.0	ug/kg	
544-10-5	1-Chlorohexane	ND	5.8	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.8	1.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.8	1.2	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	29	12	ug/kg	
75-15-0	Carbon disulfide	3.0	5.8	1.3	ug/kg	J
56-23-5	Carbon tetrachloride	ND	5.8	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.8	2.3	ug/kg	
75-35-4	1,1-Dichloroethylene	2.3	5.8	1.5	ug/kg	J
563-58-6	1,1-Dichloropropene	ND	5.8	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.8	2.8	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.8	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.8	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.8	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.8	1.2	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.8	2.5	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB41-14		
Lab Sample ID:	F61976-2	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.8	1.2	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.8	2.3	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.8	1.9	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.8	1.5	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	29	5.8	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.8	1.2	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.8	1.2	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.8	1.2	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.8	1.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.8	1.2	ug/kg	
100-41-4	Ethylbenzene	ND	5.8	1.2	ug/kg	
97-63-2	Ethyl methacrylate	ND	29	5.8	ug/kg	
76-13-1	Freon 113	ND	5.8	3.0	ug/kg	
591-78-6	2-Hexanone	ND	29	5.8	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.8	1.4	ug/kg	
110-54-3	Hexane	ND	5.8	2.8	ug/kg	
98-82-8	Isopropylbenzene	12.7	5.8	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.8	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	29	7.5	ug/kg	
126-98-7	Methacrylonitrile	ND	29	6.4	ug/kg	
74-83-9	Methyl bromide	ND	5.8	2.6	ug/kg	
74-87-3	Methyl chloride	ND	5.8	2.8	ug/kg	
74-88-4	Methyl iodide	ND	12	2.3	ug/kg	
80-62-6	Methyl methacrylate	ND	29	5.8	ug/kg	
74-95-3	Methylene bromide	ND	5.8	1.8	ug/kg	
75-09-2	Methylene chloride [b]	8.4	12	5.8	ug/kg	J
78-93-3	Methyl ethyl ketone [a]	ND	29	9.7	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.8	1.8	ug/kg	
91-20-3	Naphthalene	ND	5.8	2.3	ug/kg	
76-01-7	Pentachloroethane	ND	29	5.8	ug/kg	
107-12-0	Propionitrile [a]	ND	58	14	ug/kg	
103-65-1	n-Propylbenzene	ND	5.8	1.4	ug/kg	
100-42-5	Styrene	ND	5.8	1.2	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.8	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.8	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.8	2.1	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.8	1.2	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.8	2.3	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.8	2.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.8	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB41-14		
Lab Sample ID:	F61976-2	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.8	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.8	1.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.8	1.4	ug/kg	
108-88-3	Toluene	ND	5.8	1.2	ug/kg	
79-01-6	Trichloroethylene	ND	5.8	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.8	2.3	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	29	5.8	ug/kg	
75-01-4	Vinyl chloride	ND	5.8	2.3	ug/kg	
108-05-4	Vinyl Acetate	ND	29	14	ug/kg	
	m,p-Xylene	ND	12	2.2	ug/kg	
95-47-6	o-Xylene	ND	5.8	1.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-121%
2037-26-5	Toluene-D8	95%		71-130%
460-00-4	4-Bromofluorobenzene	93%		59-148%
17060-07-0	1,2-Dichloroethane-D4	101%		77-123%

(a) CCV outside of control limits; results may be biased low.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB41-14		
Lab Sample ID:	F61976-2	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	81.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086372.D	1	12/10/08	JG	12/05/08 10:45	n/a	GCD3632
Run #2	QR045276.D	1	12/16/08	AH	12/05/08 10:45	n/a	GQR1968

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.23 g	5.0 ml	100 ul
Run #2	5.17 g	5.0 ml	25.0 ul

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	146 [a]	29	14	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90% [b]		56-136%
460-00-4	4-Bromofluorobenzene	139% [c]	110%	56-136%
98-08-8	aaa-Trifluorotoluene	103%	98%	61-121%

(a) Result is from Run# 2
(b) Result reported from PID.
(c) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB41-14		
Lab Sample ID:	F61976-2	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	81.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24571.D	1	12/17/08	NY	12/09/08	OP27393	GLL916
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.0	mg/kg	
	TPH (> C22-C36)	ND	10	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	84%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB41-35		
Lab Sample ID:	F61976-3	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054825.D	1	12/12/08	MM	12/05/08 10:45	n/a	VG2071
Run #2							

	Initial Weight
Run #1	5.36 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	53	26	ug/kg	
75-05-8	Acetonitrile	ND	53	17	ug/kg	
107-02-8	Acrolein	ND	26	10	ug/kg	
107-13-1	Acrylonitrile	ND	26	7.2	ug/kg	
107-05-1	Allyl chloride	ND	26	5.3	ug/kg	
71-43-2	Benzene	ND	5.3	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.3	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.3	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.3	1.8	ug/kg	
75-27-4	Bromodichloromethane	ND	5.3	1.3	ug/kg	
75-25-2	Bromoform	ND	5.3	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	5.3	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.3	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.3	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.3	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.3	2.1	ug/kg	
67-66-3	Chloroform	ND	5.3	1.8	ug/kg	
544-10-5	1-Chlorohexane	ND	5.3	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.3	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.3	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	26	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.3	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.3	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.3	2.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.3	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.3	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.3	2.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.3	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.3	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.3	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.3	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.3	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB41-35		
Lab Sample ID:	F61976-3	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.3	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.3	2.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.3	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.3	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	26	5.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.3	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.3	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.3	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.3	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.3	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.3	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	26	5.3	ug/kg	
76-13-1	Freon 113	ND	5.3	2.7	ug/kg	
591-78-6	2-Hexanone	ND	26	5.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.3	1.3	ug/kg	
110-54-3	Hexane	ND	5.3	2.5	ug/kg	
98-82-8	Isopropylbenzene	ND	5.3	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.3	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	26	6.7	ug/kg	
126-98-7	Methacrylonitrile	ND	26	5.8	ug/kg	
74-83-9	Methyl bromide	ND	5.3	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.3	2.5	ug/kg	
74-88-4	Methyl iodide	ND	11	2.1	ug/kg	
80-62-6	Methyl methacrylate	ND	26	5.3	ug/kg	
74-95-3	Methylene bromide	ND	5.3	1.6	ug/kg	
75-09-2	Methylene chloride [b]	10.9	11	5.3	ug/kg	J
78-93-3	Methyl ethyl ketone [a]	ND	26	8.7	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.3	1.6	ug/kg	
91-20-3	Naphthalene	ND	5.3	2.1	ug/kg	
76-01-7	Pentachloroethane	ND	26	5.3	ug/kg	
107-12-0	Propionitrile [a]	ND	53	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.3	1.3	ug/kg	
100-42-5	Styrene	ND	5.3	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.3	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.3	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.3	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.3	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.3	2.1	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.3	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.3	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB41-35		
Lab Sample ID:	F61976-3	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.3	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.3	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.3	1.3	ug/kg	
108-88-3	Toluene	ND	5.3	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.3	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.3	2.1	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	26	5.3	ug/kg	
75-01-4	Vinyl chloride	ND	5.3	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	26	13	ug/kg	
	m,p-Xylene	ND	11	2.0	ug/kg	
95-47-6	o-Xylene	ND	5.3	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-121%
2037-26-5	Toluene-D8	94%		71-130%
460-00-4	4-Bromofluorobenzene	94%		59-148%
17060-07-0	1,2-Dichloroethane-D4	106%		77-123%

(a) CCV outside of control limits; results may be biased low.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB41-35		
Lab Sample ID:	F61976-3	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	88.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086381.D	1	12/11/08	JG	12/05/08 10:45	n/a	GCD3633
Run #2 [a]	QR045301.D	1	12/17/08	AH	12/05/08 10:45	n/a	GQR1969

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.14 g	5.0 ml	100 ul
Run #2	5.14 g	5.0 ml	100 ul

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.1	3.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	86%	89%	56-136%
98-08-8	aaa-Trifluorotoluene	83%	79%	61-121%

(a) Confirmation run.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB41-35		
Lab Sample ID:	F61976-3	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	88.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24572.D	1	12/17/08	NY	12/09/08	OP27393	GLL916
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.2	5.5	mg/kg	
	TPH (> C22-C36)	ND	9.2	5.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	79%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB42-12		
Lab Sample ID:	F61976-4	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054826.D	1	12/12/08	MM	12/05/08 11:15	n/a	VG2071
Run #2							

	Initial Weight
Run #1	5.41 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	57	29	ug/kg	
75-05-8	Acetonitrile	ND	57	18	ug/kg	
107-02-8	Acrolein	ND	29	11	ug/kg	
107-13-1	Acrylonitrile	ND	29	7.9	ug/kg	
107-05-1	Allyl chloride	ND	29	5.7	ug/kg	
71-43-2	Benzene	ND	5.7	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.7	1.3	ug/kg	
108-86-1	Bromobenzene	ND	5.7	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.7	2.0	ug/kg	
75-27-4	Bromodichloromethane	ND	5.7	1.4	ug/kg	
75-25-2	Bromoform	ND	5.7	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	5.7	1.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.7	1.3	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.7	1.3	ug/kg	
108-90-7	Chlorobenzene	ND	5.7	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.7	2.3	ug/kg	
67-66-3	Chloroform	ND	5.7	2.0	ug/kg	
544-10-5	1-Chlorohexane	ND	5.7	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.7	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.7	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	29	11	ug/kg	
75-15-0	Carbon disulfide	3.6	5.7	1.3	ug/kg	J
56-23-5	Carbon tetrachloride	ND	5.7	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.7	2.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.7	1.5	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.7	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.7	2.8	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.7	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.7	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.7	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.7	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.7	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB42-12		
Lab Sample ID:	F61976-4	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.7	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.7	2.3	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.7	1.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.7	1.5	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	29	5.7	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.7	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.7	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.7	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.7	1.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.7	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.7	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	29	5.7	ug/kg	
76-13-1	Freon 113	ND	5.7	3.0	ug/kg	
591-78-6	2-Hexanone	ND	29	5.7	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.7	1.4	ug/kg	
110-54-3	Hexane	ND	5.7	2.8	ug/kg	
98-82-8	Isopropylbenzene	ND	5.7	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.7	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	29	7.4	ug/kg	
126-98-7	Methacrylonitrile	ND	29	6.3	ug/kg	
74-83-9	Methyl bromide	ND	5.7	2.5	ug/kg	
74-87-3	Methyl chloride	ND	5.7	2.8	ug/kg	
74-88-4	Methyl iodide	ND	11	2.3	ug/kg	
80-62-6	Methyl methacrylate	ND	29	5.7	ug/kg	
74-95-3	Methylene bromide	ND	5.7	1.7	ug/kg	
75-09-2	Methylene chloride [b]	10.2	11	5.7	ug/kg	J
78-93-3	Methyl ethyl ketone [a]	ND	29	9.5	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.7	1.7	ug/kg	
91-20-3	Naphthalene	ND	5.7	2.3	ug/kg	
76-01-7	Pentachloroethane	ND	29	5.7	ug/kg	
107-12-0	Propionitrile [a]	ND	57	14	ug/kg	
103-65-1	n-Propylbenzene	ND	5.7	1.4	ug/kg	
100-42-5	Styrene	ND	5.7	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.7	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.7	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.7	2.1	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.7	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.7	2.3	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.7	2.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.7	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB42-12		
Lab Sample ID:	F61976-4	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.7	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.7	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.7	1.4	ug/kg	
108-88-3	Toluene	ND	5.7	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.7	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.7	2.3	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	29	5.7	ug/kg	
75-01-4	Vinyl chloride	ND	5.7	2.3	ug/kg	
108-05-4	Vinyl Acetate	ND	29	14	ug/kg	
	m,p-Xylene	ND	11	2.2	ug/kg	
95-47-6	o-Xylene	ND	5.7	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-121%
2037-26-5	Toluene-D8	91%		71-130%
460-00-4	4-Bromofluorobenzene	96%		59-148%
17060-07-0	1,2-Dichloroethane-D4	103%		77-123%

(a) CCV outside of control limits; results may be biased low.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB42-12		
Lab Sample ID:	F61976-4	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	80.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086382.D	1	12/11/08	JG	12/05/08 11:15	n/a	GCD3633
Run #2 [a]	QR045302.D	1	12/17/08	AH	12/05/08 11:15	n/a	GQR1969

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.14 g	5.0 ml	100 ul
Run #2	5.16 g	5.0 ml	100 ul

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.3	3.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	82%	91%	56-136%
98-08-8	aaa-Trifluorotoluene	87%	80%	61-121%

(a) Confirmation run.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB42-12		
Lab Sample ID:	F61976-4	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	80.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24573.D	1	12/17/08	NY	12/09/08	OP27393	GLL916
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.2	mg/kg	
	TPH (> C22-C36)	ND	10	6.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB42-19		
Lab Sample ID:	F61976-5	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054827.D	1	12/12/08	MM	12/05/08 11:15	n/a	VG2071
Run #2							

	Initial Weight
Run #1	5.58 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	55.3	53	26	ug/kg	J
75-05-8	Acetonitrile	ND	53	17	ug/kg	
107-02-8	Acrolein	ND	26	10	ug/kg	
107-13-1	Acrylonitrile	ND	26	7.3	ug/kg	
107-05-1	Allyl chloride	ND	26	5.3	ug/kg	
71-43-2	Benzene	ND	5.3	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.3	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.3	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.3	1.8	ug/kg	
75-27-4	Bromodichloromethane	ND	5.3	1.3	ug/kg	
75-25-2	Bromoform	ND	5.3	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	5.3	1.5	ug/kg	
135-98-8	sec-Butylbenzene	51.2	5.3	1.2	ug/kg	
98-06-6	tert-Butylbenzene	39.0	5.3	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.3	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.3	2.1	ug/kg	
67-66-3	Chloroform	ND	5.3	1.8	ug/kg	
544-10-5	1-Chlorohexane	ND	5.3	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.3	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.3	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	26	11	ug/kg	
75-15-0	Carbon disulfide	2.2	5.3	1.2	ug/kg	J
56-23-5	Carbon tetrachloride	ND	5.3	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.3	2.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.3	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.3	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.3	2.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.3	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.3	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.3	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.3	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.3	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB42-19		
Lab Sample ID:	F61976-5	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.3	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.3	2.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.3	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.3	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	26	5.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.3	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.3	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.3	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.3	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.3	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.3	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	26	5.3	ug/kg	
76-13-1	Freon 113	ND	5.3	2.8	ug/kg	
591-78-6	2-Hexanone	ND	26	5.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.3	1.3	ug/kg	
110-54-3	Hexane	ND	5.3	2.5	ug/kg	
98-82-8	Isopropylbenzene	49.4	5.3	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.3	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	26	6.8	ug/kg	
126-98-7	Methacrylonitrile	ND	26	5.8	ug/kg	
74-83-9	Methyl bromide	ND	5.3	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.3	2.5	ug/kg	
74-88-4	Methyl iodide	ND	11	2.1	ug/kg	
80-62-6	Methyl methacrylate	ND	26	5.3	ug/kg	
74-95-3	Methylene bromide	ND	5.3	1.6	ug/kg	
75-09-2	Methylene chloride [b]	14.0	11	5.3	ug/kg	
78-93-3	Methyl ethyl ketone [a]	ND	26	8.8	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.3	1.6	ug/kg	
91-20-3	Naphthalene	ND	5.3	2.1	ug/kg	
76-01-7	Pentachloroethane	ND	26	5.3	ug/kg	
107-12-0	Propionitrile [a]	ND	53	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.3	1.3	ug/kg	
100-42-5	Styrene	ND	5.3	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.3	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.3	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.3	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.3	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.3	2.1	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.3	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.3	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB42-19		
Lab Sample ID:	F61976-5	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.3	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.3	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.3	1.3	ug/kg	
108-88-3	Toluene	ND	5.3	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.3	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.3	2.1	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	26	5.3	ug/kg	
75-01-4	Vinyl chloride	ND	5.3	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	26	13	ug/kg	
	m,p-Xylene	ND	11	2.0	ug/kg	
95-47-6	o-Xylene	ND	5.3	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-121%
2037-26-5	Toluene-D8	95%		71-130%
460-00-4	4-Bromofluorobenzene	92%		59-148%
17060-07-0	1,2-Dichloroethane-D4	102%		77-123%

(a) CCV outside of control limits; results may be biased low.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB42-19		
Lab Sample ID:	F61976-5	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	84.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086383.D	1	12/11/08	JG	12/05/08 11:15	n/a	GCD3633
Run #2	QR045306.D	1	12/17/08	AH	12/05/08 11:15	n/a	GQR1969
Run #3	CD086446.D	1	12/15/08	JG	12/05/08 11:15	n/a	GCD3635

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.13 g	5.0 ml	100 ul
Run #2	5.22 g	5.0 ml	10.0 ul
Run #3	5.13 g	5.0 ml	100 ul

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10) [a]	481 [b]	66	33	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
460-00-4	4-Bromofluorobenzene	88% [c]			56-136%
460-00-4	4-Bromofluorobenzene	150% [d]	114%	95%	56-136%
98-08-8	aaa-Trifluorotoluene	93%	112%	90%	61-121%

(a) Results from different vials are not consistent; higher results were reported.
(b) Result is from Run# 2
(c) Result reported from PID.
(d) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB42-19		
Lab Sample ID:	F61976-5	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	84.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24574.D	1	12/17/08	NY	12/09/08	OP27393	GLL916
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.7	5.8	mg/kg	
	TPH (> C22-C36)	ND	9.7	5.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	81%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB42-35		
Lab Sample ID:	F61976-6	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054828.D	1	12/12/08	MM	12/05/08 11:15	n/a	VG2071
Run #2							

	Initial Weight
Run #1	5.63 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	53	27	ug/kg	
75-05-8	Acetonitrile	ND	53	17	ug/kg	
107-02-8	Acrolein	ND	27	10	ug/kg	
107-13-1	Acrylonitrile	ND	27	7.4	ug/kg	
107-05-1	Allyl chloride	ND	27	5.3	ug/kg	
71-43-2	Benzene	ND	5.3	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.3	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.3	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.3	1.8	ug/kg	
75-27-4	Bromodichloromethane	ND	5.3	1.3	ug/kg	
75-25-2	Bromoform	ND	5.3	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	5.3	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.3	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.3	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.3	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.3	2.1	ug/kg	
67-66-3	Chloroform	ND	5.3	1.8	ug/kg	
544-10-5	1-Chlorohexane	ND	5.3	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.3	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.3	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	27	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.3	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.3	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.3	2.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.3	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.3	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.3	2.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.3	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.3	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.3	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.3	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.3	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB42-35		
Lab Sample ID:	F61976-6	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.3	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.3	2.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.3	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.3	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	27	5.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.3	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.3	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.3	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.3	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.3	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.3	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	27	5.3	ug/kg	
76-13-1	Freon 113	ND	5.3	2.8	ug/kg	
591-78-6	2-Hexanone	ND	27	5.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.3	1.3	ug/kg	
110-54-3	Hexane	ND	5.3	2.6	ug/kg	
98-82-8	Isopropylbenzene	ND	5.3	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.3	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	27	6.8	ug/kg	
126-98-7	Methacrylonitrile	ND	27	5.9	ug/kg	
74-83-9	Methyl bromide	ND	5.3	2.4	ug/kg	
74-87-3	Methyl chloride	ND	5.3	2.6	ug/kg	
74-88-4	Methyl iodide	ND	11	2.1	ug/kg	
80-62-6	Methyl methacrylate	ND	27	5.3	ug/kg	
74-95-3	Methylene bromide	ND	5.3	1.6	ug/kg	
75-09-2	Methylene chloride [b]	6.8	11	5.3	ug/kg	J
78-93-3	Methyl ethyl ketone [a]	ND	27	8.9	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.3	1.6	ug/kg	
91-20-3	Naphthalene	ND	5.3	2.1	ug/kg	
76-01-7	Pentachloroethane	ND	27	5.3	ug/kg	
107-12-0	Propionitrile [a]	ND	53	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.3	1.3	ug/kg	
100-42-5	Styrene	ND	5.3	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.3	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.3	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.3	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.3	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.3	2.1	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.3	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.3	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB42-35		
Lab Sample ID:	F61976-6	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.3	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.3	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.3	1.3	ug/kg	
108-88-3	Toluene	ND	5.3	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.3	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.3	2.1	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	27	5.3	ug/kg	
75-01-4	Vinyl chloride	ND	5.3	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	27	13	ug/kg	
	m,p-Xylene	ND	11	2.0	ug/kg	
95-47-6	o-Xylene	ND	5.3	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-121%
2037-26-5	Toluene-D8	94%		71-130%
460-00-4	4-Bromofluorobenzene	94%		59-148%
17060-07-0	1,2-Dichloroethane-D4	109%		77-123%

(a) CCV outside of control limits; results may be biased low.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB42-35		
Lab Sample ID:	F61976-6	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	83.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086384.D	1	12/11/08	JG	12/05/08 11:15	n/a	GCD3633
Run #2 [a]	QR045307.D	1	12/17/08	AH	12/05/08 11:15	n/a	GQR1969

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.40 g	5.0 ml	100 ul
Run #2	5.40 g	5.0 ml	100 ul

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.6	3.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	86%	83%	56-136%
98-08-8	aaa-Trifluorotoluene	84%	81%	61-121%

(a) Confirmation run.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB42-35		
Lab Sample ID:	F61976-6	**Date Sampled:**	12/03/08
Matrix:	SO - Soil	**Date Received:**	12/05/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	83.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24577.D	1	12/17/08	NY	12/09/08	OP27393	GLL916
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.0	mg/kg	
	TPH (> C22-C36)	ND	10	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	79%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61976-7	**Date Sampled:**	12/03/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/05/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054829.D	1	12/12/08	MM	n/a	n/a	VG2071
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61976-7	**Date Sampled:**	12/03/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/05/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone [a]	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile [a]	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61976-7	**Date Sampled:**	12/03/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/05/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		80-121%
2037-26-5	Toluene-D8	93%		71-130%
460-00-4	4-Bromofluorobenzene	98%		59-148%
17060-07-0	1,2-Dichloroethane-D4	103%		77-123%

(a) CCV outside of control limits; results may be biased low.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

F61976

Page 1 of 1

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number [1]: 12-04-2008-2

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Zack Beck / Greg Kinsman

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)					Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
	Sample Analysis Requested [5]																	Quality Assurance Samples [6]			
1	SS61-SB41-11	SS61-SB41	03-Dec-2008	1315	9 - 11	N	01	SO	5	X	X	X									2
2	SS61-SB41-14	SS61-SB41	03-Dec-2008	1330	12 - 14	N	01	SO	5	X	X	X									2
3	SS61-SB41-35	SS61-SB41	03-Dec-2008	1345	33 - 35	N	01	SO	5	X	X	X									2
4	SS61-SB42-12	SS61-SB42	03-Dec-2008	1515	10 - 12	N	01	SO	5	X	X	X									2
5	SS61-SB42-19	SS61-SB43	08-Dec-2008	1530	17 - 19	N	01	SO	5	X	X	X									2
6	SS61-SB42-35	SS61-SB44	08-Dec-2008	1545	33 - 35	N	01	SO	5	X	X	X									2
7	Trip Blank				-	TB		WQ	3	X											2
					-																
					-																
					-																
					-																

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time		Received by (signed)	Date	Time
1.	[signature]	12/4/08	1400	1.	[signature]	12/5/08	9:30
2.	[signature]	12/5/08	9:30	2.			
3.				3.			

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: _____ Shipped No.: _____

Method of Shipment: _____ Airbill Number: _____

Analytical Lab: Accutest Laboratories Delivery Location: _____

Lab Recipient: _____ Delivery Date/Time: _____

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

1 9

F61976: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61976 CLIENT: BHATF PROJECT: SS-61

DATE/TIME RECEIVED: 12/5/08 9:30 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 1.8

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8668 3474 8710

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [X] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 24

NUMBER OF 5035 FIELD KITS ? TB

NUMBER OF LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE 12/5/08 TECHNICIAN SIGNATURE/DATE 12-5-08

ASBD 12/17/07

4.1 4

F61976: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61976
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2071-MB	G0054811.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61976-1, F61976-2, F61976-3, F61976-4, F61976-5, F61976-6, F61976-7

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F61976
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2071-MB	G0054811.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61976-1, F61976-2, F61976-3, F61976-4, F61976-5, F61976-6, F61976-7

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F61976
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2071-MB	G0054811.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61976-1, F61976-2, F61976-3, F61976-4, F61976-5, F61976-6, F61976-7

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	80-121%
2037-26-5	Toluene-D8	91%	71-130%
460-00-4	4-Bromofluorobenzene	92%	59-148%
17060-07-0	1,2-Dichloroethane-D4	100%	77-123%

Blank Spike Summary

Job Number: F61976
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2071-BS	G0054810.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61976-1, F61976-2, F61976-3, F61976-4, F61976-5, F61976-6, F61976-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	140	56*	61-144
75-05-8	Acetonitrile	500	523	105	59-139
107-02-8	Acrolein	250	45.5	18*	27-156
107-13-1	Acrylonitrile	250	200	80	55-144
107-05-1	Allyl chloride	50	60.5	121	41-152
71-43-2	Benzene	50	53.0	106	78-130
100-44-7	Benzyl Chloride	50	39.8	80	74-130
108-86-1	Bromobenzene	50	53.4	107	78-123
74-97-5	Bromochloromethane	50	43.0	86	72-122
75-27-4	Bromodichloromethane	50	47.8	96	73-122
75-25-2	Bromoform	50	38.0	76	70-139
104-51-8	n-Butylbenzene	50	59.8	120	80-138
135-98-8	sec-Butylbenzene	50	56.9	114	82-132
98-06-6	tert-Butylbenzene	50	55.7	111	79-130
108-90-7	Chlorobenzene	50	53.1	106	83-122
75-00-3	Chloroethane	50	48.9	98	61-153
67-66-3	Chloroform	50	52.7	105	79-129
544-10-5	1-Chlorohexane	50	52.5	105	85-137
95-49-8	o-Chlorotoluene	50	56.2	112	77-123
106-43-4	p-Chlorotoluene	50	54.5	109	78-129
110-75-8	2-Chloroethyl vinyl ether	250	277	111	52-142
75-15-0	Carbon disulfide	50	44.6	89	61-142
56-23-5	Carbon tetrachloride	50	47.0	94	79-135
75-34-3	1,1-Dichloroethane	50	55.0	110	77-132
75-35-4	1,1-Dichloroethylene	50	48.6	97	66-132
563-58-6	1,1-Dichloropropene	50	48.2	96	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	40.8	82	67-129
106-93-4	1,2-Dibromoethane	50	42.1	84	77-126
107-06-2	1,2-Dichloroethane	50	44.3	89	78-129
78-87-5	1,2-Dichloropropane	50	49.5	99	74-127
142-28-9	1,3-Dichloropropane	50	44.1	88	78-118
594-20-7	2,2-Dichloropropane	50	53.8	108	80-137
124-48-1	Dibromochloromethane	50	46.0	92	78-117
75-71-8	Dichlorodifluoromethane	50	34.9	70	35-162
156-59-2	cis-1,2-Dichloroethylene	50	51.4	103	74-123
10061-01-5	cis-1,3-Dichloropropene	50	50.7	101	79-130

Blank Spike Summary

Job Number: F61976
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2071-BS	G0054810.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61976-1, F61976-2, F61976-3, F61976-4, F61976-5, F61976-6, F61976-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	38.6	77	71-126
541-73-1	m-Dichlorobenzene	50	54.4	109	82-126
95-50-1	o-Dichlorobenzene	50	51.9	104	83-123
106-46-7	p-Dichlorobenzene	50	53.9	108	84-124
156-60-5	trans-1,2-Dichloroethylene	50	50.5	101	77-129
10061-02-6	trans-1,3-Dichloropropene	50	50.4	101	87-131
100-41-4	Ethylbenzene	50	54.9	110	82-124
97-63-2	Ethyl methacrylate	50	41.1	82	78-118
76-13-1	Freon 113	50	48.5	97	62-147
591-78-6	2-Hexanone	250	173	69	67-130
87-68-3	Hexachlorobutadiene	50	59.5	119	77-150
110-54-3	Hexane	50	54.9	110	65-147
98-82-8	Isopropylbenzene	50	57.3	115	82-133
99-87-6	p-Isopropyltoluene	50	58.0	116	82-132
108-10-1	4-Methyl-2-pentanone	250	191	76	69-125
126-98-7	Methacrylonitrile	500	380	76	70-138
74-83-9	Methyl bromide	50	50.8	102	60-146
74-87-3	Methyl chloride	50	48.6	97	58-163
74-88-4	Methyl iodide	50	42.7	85	66-128
80-62-6	Methyl methacrylate	50	40.0	80	73-125
74-95-3	Methylene bromide	50	44.9	90	75-128
75-09-2	Methylene chloride	50	52.0	104	62-140
78-93-3	Methyl ethyl ketone	250	148	59*	66-134
1634-04-4	Methyl Tert Butyl Ether	50	44.4	89	70-131
91-20-3	Naphthalene	50	43.7	87	59-143
76-01-7	Pentachloroethane	50	56.8	114	64-156
107-12-0	Propionitrile	500	355	71*	73-133
103-65-1	n-Propylbenzene	50	56.3	113	78-129
100-42-5	Styrene	50	54.7	109	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	52.0	104	81-121
71-55-6	1,1,1-Trichloroethane	50	52.9	106	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	42.0	84	70-128
79-00-5	1,1,2-Trichloroethane	50	44.0	88	76-118
87-61-6	1,2,3-Trichlorobenzene	50	50.1	100	78-136
96-18-4	1,2,3-Trichloropropane	50	38.2	76	74-125
120-82-1	1,2,4-Trichlorobenzene	50	54.6	109	82-137

Blank Spike Summary

Job Number: F61976
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2071-BS	G0054810.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61976-1, F61976-2, F61976-3, F61976-4, F61976-5, F61976-6, F61976-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	55.3	111	77-129
108-67-8	1,3,5-Trimethylbenzene	50	57.3	115	79-129
127-18-4	Tetrachloroethylene	50	53.8	108	79-132
108-88-3	Toluene	50	53.7	107	80-123
79-01-6	Trichloroethylene	50	51.4	103	78-132
75-69-4	Trichlorofluoromethane	50	49.1	98	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	85.2	170*	74-138
75-01-4	Vinyl chloride	50	43.4	87	60-145
108-05-4	Vinyl Acetate	250	185	74	25-164
	m,p-Xylene	100	110	110	82-128
95-47-6	o-Xylene	50	55.0	110	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	80-121%
2037-26-5	Toluene-D8	97%	71-130%
460-00-4	4-Bromofluorobenzene	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	87%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61976
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61975-4MS	G0054817.D	1	12/12/08	MM	n/a	n/a	VG2071
F61975-4MSD	G0054818.D	1	12/12/08	MM	n/a	n/a	VG2071
F61975-4	G0054816.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61976-1, F61976-2, F61976-3, F61976-4, F61976-5, F61976-6, F61976-7

CAS No.	Compound	F61975-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		305	143	47*	102	34*	33*	61-144/29
75-05-8	Acetonitrile	ND		611	800	131	453	76	55*	59-139/30
107-02-8	Acrolein	ND		305	ND	0*	ND	0*	nc	27-156/39
107-13-1	Acrylonitrile	ND		305	271	89	201	67	30*	55-144/24
107-05-1	Allyl chloride	ND		61.1	73.5	120	65.4	109	12	41-152/24
71-43-2	Benzene	ND		61.1	66.2	108	59.0	99	12	78-130/25
100-44-7	Benzyl Chloride	ND		61.1	42.8	70*	36.2	61*	17	74-130/28
108-86-1	Bromobenzene	ND		61.1	66.2	108	56.4	94	16	78-123/30
74-97-5	Bromochloromethane	ND		61.1	53.2	87	46.1	77	14	72-122/23
75-27-4	Bromodichloromethane	ND		61.1	57.8	95	51.3	86	12	73-122/25
75-25-2	Bromoform	ND		61.1	47.7	78	46.5	78	3	70-139/26
104-51-8	n-Butylbenzene	ND		61.1	73.3	120	65.2	109	12	80-138/31
135-98-8	sec-Butylbenzene	ND		61.1	74.5	122	66.4	111	11	82-132/29
98-06-6	tert-Butylbenzene	ND		61.1	72.6	119	63.9	107	13	79-130/29
108-90-7	Chlorobenzene	ND		61.1	65.1	107	59.3	99	9	83-122/23
75-00-3	Chloroethane	ND		61.1	59.2	97	51.5	86	14	61-153/31
67-66-3	Chloroform	ND		61.1	65.2	107	58.3	97	11	79-129/27
544-10-5	1-Chlorohexane	ND		61.1	69.3	113	64.4	108	7	85-137/29
95-49-8	o-Chlorotoluene	ND		61.1	71.4	117	61.4	103	15	77-123/31
106-43-4	p-Chlorotoluene	ND		61.1	68.2	112	60.6	101	12	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		305	378	124	338	113	11	52-142/25
75-15-0	Carbon disulfide	ND		61.1	60.6	99	51.5	86	16	61-142/27
56-23-5	Carbon tetrachloride	ND		61.1	58.1	95	54.8	92	6	79-135/29
75-34-3	1,1-Dichloroethane	ND		61.1	64.8	106	58.2	97	11	77-132/26
75-35-4	1,1-Dichloroethylene	ND		61.1	60.6	99	56.4	94	7	66-132/27
563-58-6	1,1-Dichloropropene	ND		61.1	63.7	104	58.9	98	8	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		61.1	60.0	98	48.4	81	21	67-129/29
106-93-4	1,2-Dibromoethane	ND		61.1	53.8	88	49.4	83	9	77-126/24
107-06-2	1,2-Dichloroethane	ND		61.1	54.9	90	47.4	79	15	78-129/24
78-87-5	1,2-Dichloropropane	ND		61.1	60.9	100	53.4	89	13	74-127/27
142-28-9	1,3-Dichloropropane	ND		61.1	55.1	90	51.9	87	6	78-118/26
594-20-7	2,2-Dichloropropane	ND		61.1	80.3	132	63.0	105	24	80-137/28
124-48-1	Dibromochloromethane	ND		61.1	55.6	91	53.3	89	4	78-117/27
75-71-8	Dichlorodifluoromethane	ND		61.1	34.2	56	34.6	58	1	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		61.1	60.9	100	54.0	90	12	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		61.1	61.4	101	52.4	88	16	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61976
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61975-4MS	G0054817.D	1	12/12/08	MM	n/a	n/a	VG2071
F61975-4MSD	G0054818.D	1	12/12/08	MM	n/a	n/a	VG2071
F61975-4	G0054816.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61976-1, F61976-2, F61976-3, F61976-4, F61976-5, F61976-6, F61976-7

CAS No.	Compound	F61975-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		61.1	53.3	87	43.7	73	20	71-126/28
541-73-1	m-Dichlorobenzene	ND		61.1	66.3	109	60.2	101	10	82-126/29
95-50-1	o-Dichlorobenzene	ND		61.1	65.6	107	56.9	95	14	83-123/28
106-46-7	p-Dichlorobenzene	ND		61.1	67.1	110	59.6	100	12	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		61.1	63.5	104	55.5	93	13	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		61.1	60.2	99	56.7	95	6	87-131/27
100-41-4	Ethylbenzene	ND		61.1	68.5	112	63.3	106	8	82-124/25
97-63-2	Ethyl methacrylate	ND		61.1	17.2	28*	14.3	24*	18	78-118/30
76-13-1	Freon 113	ND		61.1	63.9	105	55.2	92	15	62-147/29
591-78-6	2-Hexanone	ND		305	228	75	188	63*	19	67-130/29
87-68-3	Hexachlorobutadiene	ND		61.1	64.5	106	57.8	97	11	77-150/36
110-54-3	Hexane	ND		61.1	62.6	103	50.9	85	21	65-147/27
98-82-8	Isopropylbenzene	ND		61.1	72.4	119	66.8	112	8	82-133/27
99-87-6	p-Isopropyltoluene	ND		61.1	74.0	121	65.5	110	12	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		305	261	85	227	76	14	69-125/24
126-98-7	Methacrylonitrile	ND		611	524	86	403	67*	26*	70-138/22
74-83-9	Methyl bromide	ND		61.1	65.2	107	55.0	92	17	60-146/31
74-87-3	Methyl chloride	ND		61.1	57.5	94	54.3	91	6	58-163/26
74-88-4	Methyl iodide	ND		61.1	48.7	80	43.7	73	11	66-128/27
80-62-6	Methyl methacrylate	ND		61.1	64.4	105	47.3	79	31*	73-125/24
74-95-3	Methylene bromide	ND		61.1	57.1	94	50.3	84	13	75-128/26
75-09-2	Methylene chloride	5.3	J	61.1	75.5	115	65.5	101	14	62-140/25
78-93-3	Methyl ethyl ketone	ND		305	164	54*	122	41*	29*	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		61.1	56.6	93	46.6	78	19	70-131/25
91-20-3	Naphthalene	ND		61.1	59.6	98	55.2	92	8	59-143/31
76-01-7	Pentachloroethane	ND		61.1	63.9	105	56.7	95	12	64-156/37
107-12-0	Propionitrile	ND		611	499	82	391	65*	24*	73-133/23
103-65-1	n-Propylbenzene	ND		61.1	70.1	115	62.4	104	12	78-129/29
100-42-5	Styrene	ND		61.1	62.1	102	60.3	101	3	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		61.1	62.5	102	57.7	96	8	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		61.1	71.0	116	60.8	102	15	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		61.1	60.5	99	51.5	86	16	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		61.1	59.0	97	54.3	91	8	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		61.1	60.1	98	54.0	90	11	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		61.1	57.4	94	44.6	75	25	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		61.1	60.3	99	58.1	97	4	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61976
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61975-4MS	G0054817.D	1	12/12/08	MM	n/a	n/a	VG2071
F61975-4MSD	G0054818.D	1	12/12/08	MM	n/a	n/a	VG2071
F61975-4	G0054816.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61976-1, F61976-2, F61976-3, F61976-4, F61976-5, F61976-6, F61976-7

CAS No.	Compound	F61975-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		61.1	72.8	119	64.0	107	13	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		61.1	74.2	122	65.1	109	13	79-129/31
127-18-4	Tetrachloroethylene	ND		61.1	67.5	111	64.5	108	5	79-132/27
108-88-3	Toluene	ND		61.1	63.9	105	61.2	102	4	80-123/26
79-01-6	Trichloroethylene	ND		61.1	64.0	105	56.4	94	13	78-132/28
75-69-4	Trichlorofluoromethane	ND		61.1	66.4	109	55.1	92	19	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		61.1	115	188*	92.9	155*	21	74-138/30
75-01-4	Vinyl chloride	ND		61.1	58.2	95	53.2	89	9	60-145/29
108-05-4	Vinyl Acetate	ND		305	19.3	6*	ND	0*	200*	25-164/35
	m,p-Xylene	ND		122	137	112	128	107	7	82-128/25
95-47-6	o-Xylene	ND		61.1	65.9	108	61.3	102	7	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61975-4	Limits
1868-53-7	Dibromofluoromethane	95%	95%	95%	80-121%
2037-26-5	Toluene-D8	99%	105%	94%	71-130%
460-00-4	4-Bromofluorobenzene	97%	97%	93%	59-148%
17060-07-0	1,2-Dichloroethane-D4	90%	92%	98%	77-123%

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61976
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3632-MB	CD086352.D	1	12/10/08	JG	n/a	n/a	GCD3632

The QC reported here applies to the following samples: **Method:** SW846 8015

F61976-1, F61976-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	85%	56-136%
98-08-8	aaa-Trifluorotoluene	83%	61-121%

Method Blank Summary

Job Number: F61976
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3633-MB	CD086380.D	1	12/11/08	JG	n/a	n/a	GCD3633

The QC reported here applies to the following samples: **Method:** SW846 8015

F61976-3, F61976-4, F61976-5, F61976-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	82%	56-136%
98-08-8	aaa-Trifluorotoluene	83%	61-121%

Method Blank Summary

Job Number: F61976
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3635-MB	CD086438.D	1	12/15/08	JG	n/a	n/a	GCD3635

The QC reported here applies to the following samples: **Method:** SW846 8015

F61976-5

CAS No.	Compound	Result	RL	MDL	Units	Q

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	76%	56-136%
98-08-8	aaa-Trifluorotoluene	78%	61-121%

Method Blank Summary

Job Number: F61976
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1968-MB	QR045268.D	1	12/16/08	AH	n/a	n/a	GQR1968

The QC reported here applies to the following samples: **Method:** SW846 8015

F61976-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	65%	56-136%
98-08-8	aaa-Trifluorotoluene	73%	61-121%

Method Blank Summary

Job Number: F61976
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1969-MB	QR045294.D	1	12/17/08	AH	n/a	n/a	GQR1969

The QC reported here applies to the following samples: **Method:** SW846 8015

F61976-1, F61976-3, F61976-4, F61976-5, F61976-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	98%	56-136%
98-08-8	aaa-Trifluorotoluene	83%	61-121%

Blank Spike Summary

Job Number: F61976
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3632-BS	CD086351.D	1	12/10/08	JG	n/a	n/a	GCD3632

The QC reported here applies to the following samples: **Method:** SW846 8015

F61976-1, F61976-2

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	20.0	100	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	104%	56-136%
98-08-8	aaa-Trifluorotoluene	98%	61-121%

Blank Spike Summary

Job Number: F61976
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3633-BS	CD086379.D	1	12/11/08	JG	n/a	n/a	GCD3633

The QC reported here applies to the following samples: **Method:** SW846 8015

F61976-3, F61976-4, F61976-5, F61976-6

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	19.3	97	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	110%	56-136%
98-08-8	aaa-Trifluorotoluene	86%	61-121%

Blank Spike Summary

Job Number: F61976
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3635-BS	CD086437.D	1	12/15/08	JG	n/a	n/a	GCD3635

The QC reported here applies to the following samples: **Method:** SW846 8015

F61976-5

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	106%	56-136%
98-08-8	aaa-Trifluorotoluene	93%	61-121%

Blank Spike Summary

Job Number: F61976
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1968-BS	QR045267.D	1	12/16/08	AH	n/a	n/a	GQR1968

The QC reported here applies to the following samples: **Method:** SW846 8015

F61976-2

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	19.5	98	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	90%	56-136%
98-08-8	aaa-Trifluorotoluene	89%	61-121%

Blank Spike Summary

Job Number: F61976
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1969-BS	QR045293.D	1	12/17/08	AH	n/a	n/a	GQR1969

The QC reported here applies to the following samples: **Method:** SW846 8015

F61976-1, F61976-3, F61976-4, F61976-5, F61976-6

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	19.7	99	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	105%	56-136%
98-08-8	aaa-Trifluorotoluene	98%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61976
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61934-1MS	CD086366.D	1	12/10/08	JG	n/a	n/a	GCD3632
F61934-1MSD	CD086367.D	1	12/10/08	JG	n/a	n/a	GCD3632
F61934-1	CD086360.D	1	12/10/08	JG	n/a	n/a	GCD3632

The QC reported here applies to the following samples: **Method:** SW846 8015

F61976-1, F61976-2

CAS No.	Compound	F61934-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	5.31	J	29	29.9	85	29.1	82	3	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61934-1	Limits
460-00-4	4-Bromofluorobenzene	119%	119%	120%	56-136%
98-08-8	aaa-Trifluorotoluene	99%	101%	87%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61976
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62060-1MS	CD086449.D	1	12/15/08	JG	n/a	n/a	GCD3635
F62060-1MSD	CD086450.D	1	12/15/08	JG	n/a	n/a	GCD3635
F62060-1 [a]	CD086452.D	1	12/15/08	JG	n/a	n/a	GCD3635

The QC reported here applies to the following samples: **Method:** SW846 8015

F61976-5

CAS No.	Compound	F62060-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD

CAS No.	Surrogate Recoveries	MS	MSD	F62060-1	Limits
460-00-4	4-Bromofluorobenzene	107%	103%	81%	56-136%
98-08-8	aaa-Trifluorotoluene	91%	90%	78%	61-121%

(a) En Core samples were not preserved within 48 hours.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61976
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61976-2MS	QR045285.D	1	12/16/08	AH	n/a	n/a	GQR1968
F61976-2MSD	QR045286.D	1	12/16/08	AH	n/a	n/a	GQR1968
F61976-2	QR045276.D	1	12/16/08	AH	n/a	n/a	GQR1968

The QC reported here applies to the following samples: **Method:** SW846 8015

F61976-2

CAS No.	Compound	F61976-2 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	146		114	245	87	231	75	6	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61976-2	Limits
460-00-4	4-Bromofluorobenzene	115%	117%	110%	56-136%
98-08-8	aaa-Trifluorotoluene	112%	114%	98%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61976
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62034-1MS	QR045318.D	1	12/17/08	AH	n/a	n/a	GQR1969
F62034-1MSD	QR045319.D	1	12/17/08	AH	n/a	n/a	GQR1969
F62034-1 [a]	QR045310.D	1	12/17/08	AH	n/a	n/a	GQR1969

The QC reported here applies to the following samples: **Method:** SW846 8015

F61976-1, F61976-3, F61976-4, F61976-5, F61976-6

CAS No.	Compound	F62034-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		24.2	22.3	92	23.4	97	5	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F62034-1	Limits
460-00-4	4-Bromofluorobenzene	86%	92%	78%	56-136%
98-08-8	aaa-Trifluorotoluene	93%	96%	81%	61-121%

(a) Confirmation run.

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61976
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27393-MB	LL24569.D	1	12/17/08	NY	12/09/08	OP27393	GLL916

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61976-1, F61976-2, F61976-3, F61976-4, F61976-5, F61976-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	86%	49-108%

Method Blank Summary

Job Number: F61976
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27393-MB	LL24600.D	1	12/18/08	NY	12/09/08	OP27393	GLL917

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61976-1, F61976-2, F61976-3, F61976-4, F61976-5, F61976-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	86%	49-108%

Blank Spike Summary

Job Number: F61976
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27393-BS	LL24568.D	1	12/17/08	NY	12/09/08	OP27393	GLL916

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61976-1, F61976-2, F61976-3, F61976-4, F61976-5, F61976-6

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	32.9	99	64-102
	TPH (> C22-C36)	33.3	36.2	109	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	89%	49-108%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61976
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27393-MS	LL24594.D	1	12/18/08	NY	12/09/08	OP27393	GLL916
OP27393-MSD	LL24595.D	1	12/18/08	NY	12/09/08	OP27393	GLL916
F62034-4	LL24593.D	1	12/18/08	NY	12/09/08	OP27393	GLL916

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61976-1, F61976-2, F61976-3, F61976-4, F61976-5, F61976-6

CAS No.	Compound	F62034-4 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		37.2	33.7	91	35.8	97	6	64-102/32
	TPH (> C22-C36)	ND		37.2	39.5	106	42.3	114	7	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F62034-4	Limits
84-15-1	o-Terphenyl	85%	90%	82%	49-108%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/22/08

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F62028

Sampling Dates: 12/04/08 - 12/05/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **73**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Note: This report is password protected to disallow document modification or assembly.
A password to unlock this report is available from your client service representative.

Sections: 1 2 3 4 5 6 7

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F62028-1: SS61-SB45-15 7
3.2: F62028-2: SS61-SB45-20 12
3.3: F62028-3: SS61-SB45-32 17
3.4: F62028-4: SS61-SB47-25 22
3.5: F62028-5: SS61-SB47-29 27
3.6: F62028-6: SS61-SB47-35 32
3.7: F62028-7: TRIP BLANK 37
Section 4: Misc. Forms **40**
4.1: Chain of Custody 41
Section 5: GC/MS Volatiles - QC Data Summaries **43**
5.1: Method Blank Summary 44
5.2: Blank Spike Summary 50
5.3: Matrix Spike/Matrix Spike Duplicate Summary 56
Section 6: GC Volatiles - QC Data Summaries **62**
6.1: Method Blank Summary 63
6.2: Blank Spike Summary 65
6.3: Matrix Spike/Matrix Spike Duplicate Summary 67
Section 7: GC Semi-volatiles - QC Data Summaries **69**
7.1: Method Blank Summary 70
7.2: Blank Spike Summary 72
7.3: Matrix Spike/Matrix Spike Duplicate Summary 73

Sample Summary

North Wind, Inc

Job No: F62028

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F62028-1	12/04/08	14:30	ZBGK	12/06/08	SO	Soil	SS61-SB45-15
F62028-2	12/04/08	14:40	ZBGK	12/06/08	SO	Soil	SS61-SB45-20
F62028-3	12/04/08	14:50	ZBGK	12/06/08	SO	Soil	SS61-SB45-32
F62028-4	12/05/08	09:50	ZBGK	12/06/08	SO	Soil	SS61-SB47-25
F62028-5	12/05/08	10:00	ZBGK	12/06/08	SO	Soil	SS61-SB47-29
F62028-6	12/05/08	10:10	ZBGK	12/06/08	SO	Soil	SS61-SB47-35
F62028-7	12/04/08	00:00	ZBGK	12/06/08	SO	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F62028

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/19/2008 4:54:34

6 Samples, 1 Trip Blank were collected on between 12/04/2008 and 12/05/2008 and received at Accutest on 12/06/2008 properly preserved, at 3 Deg. C and intact. These Samples received an Accutest job number of F62028. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2071

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61975-4MS, F61975-4MSD were used as the QC samples indicated.

Blank Spike Recovery(s) for Acetone, Acrolein, Methyl ethyl ketone, Propionitrile, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for Acetone, Acrolein, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 2-Hexanone, Acetone, Acrolein, Benzyl Chloride, Ethyl methacrylate, Methacrylonitrile, Methyl ethyl ketone, Propionitrile, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

RPD(s) for MSD for Acetone, Acetonitrile, Acrylonitrile, Methacrylonitrile, Methyl ethyl ketone, Methyl methacrylate, Propionitrile, Vinyl Acetate are outside control limits for sample F61975-4MSD. Probable cause due to sample homogeneity.

F62028-2 for Methylene chloride: Suspected laboratory contaminant.

F62028-1 for Acetone: CCV outside of control limits; results may be biased low.

F62028-1 for Methyl ethyl ketone: CCV outside of control limits; results may be biased low.

F62028-1 for Propionitrile: CCV outside of control limits; results may be biased low.

F62028-2 for Acetone: CCV outside of control limits; results may be biased low.

F62028-2 for Propionitrile: CCV outside of control limits; results may be biased low.

F62028-3 for Acetone: CCV outside of control limits; results may be biased low.

F62028-3 for Methyl ethyl ketone: CCV outside of control limits; results may be biased low.

F62028-3 for Propionitrile: CCV outside of control limits; results may be biased low.

F62028-4 for Acetone: CCV outside of control limits; results may be biased low.

F62028-4 for Methyl ethyl ketone: CCV outside of control limits; results may be biased low.

F62028-4 for Propionitrile: CCV outside of control limits; results may be biased low.

F62028-2 for Methyl ethyl ketone: CCV outside of control limits; results may be biased low.

Matrix: SO **Batch ID:** VG2073

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F62034-1MS, F62034-1MSD were used as the QC samples indicated.

Blank Spike Recovery(s) for Acetone, Acrolein, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for 1,2,3-Trichloropropane, Acetone, Acrolein, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2073

Matrix Spike Duplicate Recovery(s) for 1,2,3-Trichloropropane, Acetone, Acrolein, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

F62028-7 for Methylene chloride: Suspected laboratory contaminant.

F62028-5 for Methylene chloride: Suspected laboratory contaminant.

F62028-6 for Methylene chloride: Suspected laboratory contaminant.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GQR1966

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F62230-1MS, F62230-1MSD were used as the QC samples indicated.

Matrix: SO **Batch ID:** GQR1967

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F62033-1MS, F62033-1MSD were used as the QC samples indicated.

Extractables by GC By Method SW846 8015 M

Matrix: SO **Batch ID:** OP27393

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F62034-4MS, F62034-4MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Wet Chemistry By Method SM19 2540B M

Matrix: SO **Batch ID:** GN33090

Sample(s) F62028-1DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: December 19, 2008

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-SB45-15		
Lab Sample ID:	F62028-1	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054830.D	1	12/12/08	MM	12/06/08 11:40	n/a	VG2071
Run #2							

	Initial Weight
Run #1	6.01 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	49	24	ug/kg	
75-05-8	Acetonitrile	ND	49	16	ug/kg	
107-02-8	Acrolein	ND	24	9.5	ug/kg	
107-13-1	Acrylonitrile	ND	24	6.7	ug/kg	
107-05-1	Allyl chloride	ND	24	4.9	ug/kg	
71-43-2	Benzene	ND	4.9	0.97	ug/kg	
100-44-7	Benzyl Chloride	ND	4.9	1.1	ug/kg	
108-86-1	Bromobenzene	ND	4.9	0.97	ug/kg	
74-97-5	Bromochloromethane	ND	4.9	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	4.9	1.2	ug/kg	
75-25-2	Bromoform	ND	4.9	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	4.9	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	4.9	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	4.9	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	4.9	0.97	ug/kg	
75-00-3	Chloroethane	ND	4.9	1.9	ug/kg	
67-66-3	Chloroform	ND	4.9	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	4.9	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.9	0.97	ug/kg	
106-43-4	p-Chlorotoluene	ND	4.9	0.97	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	24	9.7	ug/kg	
75-15-0	Carbon disulfide	ND	4.9	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.9	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.9	1.9	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.9	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	4.9	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.9	2.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4.9	0.97	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.9	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.9	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4.9	0.97	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4.9	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB45-15		
Lab Sample ID:	F62028-1	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	4.9	0.97	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.9	1.9	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.9	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.9	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	24	4.9	ug/kg	
541-73-1	m-Dichlorobenzene	ND	4.9	0.97	ug/kg	
95-50-1	o-Dichlorobenzene	ND	4.9	0.97	ug/kg	
106-46-7	p-Dichlorobenzene	ND	4.9	0.97	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	4.9	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.9	0.97	ug/kg	
100-41-4	Ethylbenzene	ND	4.9	0.97	ug/kg	
97-63-2	Ethyl methacrylate	ND	24	4.9	ug/kg	
76-13-1	Freon 113	ND	4.9	2.5	ug/kg	
591-78-6	2-Hexanone	ND	24	4.9	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.9	1.2	ug/kg	
110-54-3	Hexane	ND	4.9	2.3	ug/kg	
98-82-8	Isopropylbenzene	ND	4.9	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	4.9	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	24	6.2	ug/kg	
126-98-7	Methacrylonitrile	ND	24	5.4	ug/kg	
74-83-9	Methyl bromide	ND	4.9	2.1	ug/kg	
74-87-3	Methyl chloride	ND	4.9	2.3	ug/kg	
74-88-4	Methyl iodide	ND	9.7	1.9	ug/kg	
80-62-6	Methyl methacrylate	ND	24	4.9	ug/kg	
74-95-3	Methylene bromide	ND	4.9	1.5	ug/kg	
75-09-2	Methylene chloride	ND	9.7	4.9	ug/kg	
78-93-3	Methyl ethyl ketone [a]	ND	24	8.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.9	1.5	ug/kg	
91-20-3	Naphthalene	ND	4.9	1.9	ug/kg	
76-01-7	Pentachloroethane	ND	24	4.9	ug/kg	
107-12-0	Propionitrile [a]	ND	49	12	ug/kg	
103-65-1	n-Propylbenzene	ND	4.9	1.2	ug/kg	
100-42-5	Styrene	ND	4.9	0.97	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.9	0.97	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.9	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.9	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.9	0.97	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.9	1.9	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.9	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	1.9	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB45-15		
Lab Sample ID:	F62028-1	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	4.9	0.97	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.9	0.97	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.9	1.2	ug/kg	
108-88-3	Toluene	ND	4.9	0.97	ug/kg	
79-01-6	Trichloroethylene	ND	4.9	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.9	1.9	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	24	4.9	ug/kg	
75-01-4	Vinyl chloride	ND	4.9	1.9	ug/kg	
108-05-4	Vinyl Acetate	ND	24	12	ug/kg	
	m,p-Xylene	ND	9.7	1.9	ug/kg	
95-47-6	o-Xylene	ND	4.9	0.97	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-121%
2037-26-5	Toluene-D8	93%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	103%		77-123%

(a) CCV outside of control limits; results may be biased low.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB45-15		
Lab Sample ID:	F62028-1	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	85.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045228.D	1	12/15/08	AH	12/06/08 11:40	n/a	GQR1966
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.71 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.0	3.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	86%		56-136%
98-08-8	aaa-Trifluorotoluene	73%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB45-15		
Lab Sample ID:	F62028-1	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	85.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24578.D	1	12/17/08	NY	12/09/08	OP27393	GLL916
Run #2							

	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.5	5.7	mg/kg	
	TPH (> C22-C36)	ND	9.5	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	74%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB45-20		
Lab Sample ID:	F62028-2	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054831.D	1	12/12/08	MM	12/06/08 11:40	n/a	VG2071
Run #2							

	Initial Weight
Run #1	5.74 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	52	26	ug/kg	
75-05-8	Acetonitrile	ND	52	17	ug/kg	
107-02-8	Acrolein	ND	26	10	ug/kg	
107-13-1	Acrylonitrile	ND	26	7.2	ug/kg	
107-05-1	Allyl chloride	ND	26	5.2	ug/kg	
71-43-2	Benzene	ND	5.2	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.2	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.2	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.2	1.8	ug/kg	
75-27-4	Bromodichloromethane	ND	5.2	1.3	ug/kg	
75-25-2	Bromoform	ND	5.2	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	5.2	1.5	ug/kg	
135-98-8	sec-Butylbenzene	5.2	5.2	1.1	ug/kg	
98-06-6	tert-Butylbenzene	2.9	5.2	1.1	ug/kg	J
108-90-7	Chlorobenzene	ND	5.2	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.2	2.1	ug/kg	
67-66-3	Chloroform	ND	5.2	1.8	ug/kg	
544-10-5	1-Chlorohexane	ND	5.2	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.2	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.2	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	26	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.2	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.2	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.2	2.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.2	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.2	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.2	2.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.2	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.2	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.2	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.2	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.2	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB45-20		
Lab Sample ID:	F62028-2	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.2	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.2	2.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.2	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.2	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	26	5.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.2	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.2	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.2	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.2	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.2	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.2	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	26	5.2	ug/kg	
76-13-1	Freon 113	ND	5.2	2.7	ug/kg	
591-78-6	2-Hexanone	ND	26	5.2	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.2	1.3	ug/kg	
110-54-3	Hexane	ND	5.2	2.5	ug/kg	
98-82-8	Isopropylbenzene	123	5.2	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.2	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	26	6.7	ug/kg	
126-98-7	Methacrylonitrile	ND	26	5.7	ug/kg	
74-83-9	Methyl bromide	ND	5.2	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.2	2.5	ug/kg	
74-88-4	Methyl iodide	ND	10	2.1	ug/kg	
80-62-6	Methyl methacrylate	ND	26	5.2	ug/kg	
74-95-3	Methylene bromide	ND	5.2	1.6	ug/kg	
75-09-2	Methylene chloride [b]	6.7	10	5.2	ug/kg	J
78-93-3	Methyl ethyl ketone [a]	ND	26	8.6	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.2	1.6	ug/kg	
91-20-3	Naphthalene	ND	5.2	2.1	ug/kg	
76-01-7	Pentachloroethane	ND	26	5.2	ug/kg	
107-12-0	Propionitrile [a]	ND	52	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.2	1.3	ug/kg	
100-42-5	Styrene	ND	5.2	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.2	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.2	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.2	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.2	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.2	2.1	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.2	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.2	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB45-20		
Lab Sample ID:	F62028-2	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	83.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.2	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.2	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.2	1.3	ug/kg	
108-88-3	Toluene	ND	5.2	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.2	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.2	2.1	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	26	5.2	ug/kg	
75-01-4	Vinyl chloride	ND	5.2	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	26	13	ug/kg	
	m,p-Xylene	ND	10	2.0	ug/kg	
95-47-6	o-Xylene	ND	5.2	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		80-121%
2037-26-5	Toluene-D8	94%		71-130%
460-00-4	4-Bromofluorobenzene	91%		59-148%
17060-07-0	1,2-Dichloroethane-D4	99%		77-123%

(a) CCV outside of control limits; results may be biased low.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB45-20		
Lab Sample ID:	F62028-2	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	83.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045229.D	1	12/15/08	AH	12/06/08 11:40	n/a	GQR1966
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.74 g	5.0 ml	25.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	158	25	12	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	100%		56-136%
98-08-8	aaa-Trifluorotoluene	108%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB45-20		
Lab Sample ID:	F62028-2	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	83.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24579.D	1	12/17/08	NY	12/09/08	OP27393	GLL916
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.9	6.0	mg/kg	
	TPH (> C22-C36)	ND	9.9	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	81%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB45-32		
Lab Sample ID:	F62028-3	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	77.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054832.D	1	12/12/08	MM	12/06/08 11:40	n/a	VG2071
Run #2							

	Initial Weight
Run #1	5.35 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	61	30	ug/kg	
75-05-8	Acetonitrile	ND	61	19	ug/kg	
107-02-8	Acrolein	ND	30	12	ug/kg	
107-13-1	Acrylonitrile	ND	30	8.4	ug/kg	
107-05-1	Allyl chloride	ND	30	6.1	ug/kg	
71-43-2	Benzene	ND	6.1	1.2	ug/kg	
100-44-7	Benzyl Chloride	ND	6.1	1.3	ug/kg	
108-86-1	Bromobenzene	ND	6.1	1.2	ug/kg	
74-97-5	Bromochloromethane	ND	6.1	2.1	ug/kg	
75-27-4	Bromodichloromethane	ND	6.1	1.5	ug/kg	
75-25-2	Bromoform	ND	6.1	1.8	ug/kg	
104-51-8	n-Butylbenzene	ND	6.1	1.7	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.1	1.3	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.1	1.3	ug/kg	
108-90-7	Chlorobenzene	ND	6.1	1.2	ug/kg	
75-00-3	Chloroethane	ND	6.1	2.4	ug/kg	
67-66-3	Chloroform	ND	6.1	2.1	ug/kg	
544-10-5	1-Chlorohexane	ND	6.1	1.6	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.1	1.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.1	1.2	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	30	12	ug/kg	
75-15-0	Carbon disulfide	ND	6.1	1.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.1	1.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.1	2.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.1	1.6	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.1	1.7	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.1	2.9	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.1	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.1	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.1	1.7	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.1	1.2	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.1	2.5	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB45-32		
Lab Sample ID:	F62028-3	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	77.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	6.1	1.2	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.1	2.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.1	1.9	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.1	1.6	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	30	6.1	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.1	1.2	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.1	1.2	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.1	1.2	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.1	1.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.1	1.2	ug/kg	
100-41-4	Ethylbenzene	ND	6.1	1.2	ug/kg	
97-63-2	Ethyl methacrylate	ND	30	6.1	ug/kg	
76-13-1	Freon 113	ND	6.1	3.1	ug/kg	
591-78-6	2-Hexanone	ND	30	6.1	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.1	1.5	ug/kg	
110-54-3	Hexane	ND	6.1	2.9	ug/kg	
98-82-8	Isopropylbenzene	ND	6.1	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.1	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	30	7.7	ug/kg	
126-98-7	Methacrylonitrile	ND	30	6.7	ug/kg	
74-83-9	Methyl bromide	ND	6.1	2.7	ug/kg	
74-87-3	Methyl chloride	ND	6.1	2.9	ug/kg	
74-88-4	Methyl iodide	ND	12	2.4	ug/kg	
80-62-6	Methyl methacrylate	ND	30	6.1	ug/kg	
74-95-3	Methylene bromide	ND	6.1	1.8	ug/kg	
75-09-2	Methylene chloride	ND	12	6.1	ug/kg	
78-93-3	Methyl ethyl ketone [a]	ND	30	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.1	1.8	ug/kg	
91-20-3	Naphthalene	ND	6.1	2.4	ug/kg	
76-01-7	Pentachloroethane	ND	30	6.1	ug/kg	
107-12-0	Propionitrile [a]	ND	61	15	ug/kg	
103-65-1	n-Propylbenzene	ND	6.1	1.5	ug/kg	
100-42-5	Styrene	ND	6.1	1.2	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.1	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.1	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.1	2.2	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.1	1.2	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.1	2.4	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.1	2.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.1	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB45-32		
Lab Sample ID:	F62028-3	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	77.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	6.1	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.1	1.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.1	1.5	ug/kg	
108-88-3	Toluene	ND	6.1	1.2	ug/kg	
79-01-6	Trichloroethylene	ND	6.1	1.5	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.1	2.4	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	30	6.1	ug/kg	
75-01-4	Vinyl chloride	ND	6.1	2.4	ug/kg	
108-05-4	Vinyl Acetate	ND	30	15	ug/kg	
	m,p-Xylene	ND	12	2.3	ug/kg	
95-47-6	o-Xylene	ND	6.1	1.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-121%
2037-26-5	Toluene-D8	95%		71-130%
460-00-4	4-Bromofluorobenzene	94%		59-148%
17060-07-0	1,2-Dichloroethane-D4	97%		77-123%

(a) CCV outside of control limits; results may be biased low.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB45-32		
Lab Sample ID:	F62028-3	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	77.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045230.D	1	12/15/08	AH	12/06/08 11:40	n/a	GQR1966
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.25 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.6	3.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	77%		56-136%
98-08-8	aaa-Trifluorotoluene	74%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB45-32		
Lab Sample ID:	F62028-3	**Date Sampled:**	12/04/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	77.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24580.D	1	12/17/08	NY	12/09/08	OP27393	GLL916
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	11	6.5	mg/kg	
	TPH (> C22-C36)	ND	11	6.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	75%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB47-25		
Lab Sample ID:	F62028-4	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054833.D	1	12/12/08	MM	12/06/08 11:40	n/a	VG2071
Run #2							

	Initial Weight
Run #1	6.10 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	46	23	ug/kg	
75-05-8	Acetonitrile	ND	46	15	ug/kg	
107-02-8	Acrolein	ND	23	9.1	ug/kg	
107-13-1	Acrylonitrile	ND	23	6.4	ug/kg	
107-05-1	Allyl chloride	ND	23	4.6	ug/kg	
71-43-2	Benzene	ND	4.6	0.93	ug/kg	
100-44-7	Benzyl Chloride	ND	4.6	1.0	ug/kg	
108-86-1	Bromobenzene	ND	4.6	0.93	ug/kg	
74-97-5	Bromochloromethane	ND	4.6	1.6	ug/kg	
75-27-4	Bromodichloromethane	ND	4.6	1.1	ug/kg	
75-25-2	Bromoform	ND	4.6	1.4	ug/kg	
104-51-8	n-Butylbenzene	ND	4.6	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	4.6	1.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	4.6	1.0	ug/kg	
108-90-7	Chlorobenzene	ND	4.6	0.93	ug/kg	
75-00-3	Chloroethane	ND	4.6	1.9	ug/kg	
67-66-3	Chloroform	ND	4.6	1.6	ug/kg	
544-10-5	1-Chlorohexane	ND	4.6	1.2	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.6	0.93	ug/kg	
106-43-4	p-Chlorotoluene	ND	4.6	0.93	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	23	9.3	ug/kg	
75-15-0	Carbon disulfide	ND	4.6	1.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.6	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.6	1.9	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.6	1.2	ug/kg	
563-58-6	1,1-Dichloropropene	ND	4.6	1.3	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.6	2.2	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4.6	0.93	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.6	1.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.6	1.3	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4.6	0.93	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4.6	1.9	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB47-25		
Lab Sample ID:	F62028-4	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	4.6	0.93	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.6	1.9	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.6	1.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.6	1.2	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	23	4.6	ug/kg	
541-73-1	m-Dichlorobenzene	ND	4.6	0.93	ug/kg	
95-50-1	o-Dichlorobenzene	ND	4.6	0.93	ug/kg	
106-46-7	p-Dichlorobenzene	ND	4.6	0.93	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	4.6	1.1	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.6	0.93	ug/kg	
100-41-4	Ethylbenzene	ND	4.6	0.93	ug/kg	
97-63-2	Ethyl methacrylate	ND	23	4.6	ug/kg	
76-13-1	Freon 113	ND	4.6	2.4	ug/kg	
591-78-6	2-Hexanone	ND	23	4.6	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.6	1.1	ug/kg	
110-54-3	Hexane	ND	4.6	2.2	ug/kg	
98-82-8	Isopropylbenzene	ND	4.6	1.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	4.6	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	23	5.9	ug/kg	
126-98-7	Methacrylonitrile	ND	23	5.1	ug/kg	
74-83-9	Methyl bromide	ND	4.6	2.0	ug/kg	
74-87-3	Methyl chloride	ND	4.6	2.2	ug/kg	
74-88-4	Methyl iodide	ND	9.3	1.9	ug/kg	
80-62-6	Methyl methacrylate	ND	23	4.6	ug/kg	
74-95-3	Methylene bromide	ND	4.6	1.4	ug/kg	
75-09-2	Methylene chloride	ND	9.3	4.6	ug/kg	
78-93-3	Methyl ethyl ketone [a]	ND	23	7.7	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.6	1.4	ug/kg	
91-20-3	Naphthalene	ND	4.6	1.9	ug/kg	
76-01-7	Pentachloroethane	ND	23	4.6	ug/kg	
107-12-0	Propionitrile [a]	ND	46	11	ug/kg	
103-65-1	n-Propylbenzene	ND	4.6	1.1	ug/kg	
100-42-5	Styrene	ND	4.6	0.93	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.6	0.93	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.6	1.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.6	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.6	0.93	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.6	1.9	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.6	1.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.6	1.9	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB47-25		
Lab Sample ID:	F62028-4	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	4.6	0.93	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.6	0.93	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.6	1.1	ug/kg	
108-88-3	Toluene	ND	4.6	0.93	ug/kg	
79-01-6	Trichloroethylene	ND	4.6	1.1	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.6	1.9	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	23	4.6	ug/kg	
75-01-4	Vinyl chloride	ND	4.6	1.9	ug/kg	
108-05-4	Vinyl Acetate	ND	23	11	ug/kg	
	m,p-Xylene	ND	9.3	1.8	ug/kg	
95-47-6	o-Xylene	ND	4.6	0.93	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-121%
2037-26-5	Toluene-D8	94%		71-130%
460-00-4	4-Bromofluorobenzene	91%		59-148%
17060-07-0	1,2-Dichloroethane-D4	101%		77-123%

(a) CCV outside of control limits; results may be biased low.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB47-25		
Lab Sample ID:	F62028-4	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	88.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045231.D	1	12/15/08	AH	12/06/08 11:40	n/a	GQR1966
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.45 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.8	2.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	73%		56-136%
98-08-8	aaa-Trifluorotoluene	72%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB47-25		
Lab Sample ID:	F62028-4	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	88.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24581.D	1	12/17/08	NY	12/09/08	OP27393	GLL916
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.2	5.5	mg/kg	
	TPH (> C22-C36)	ND	9.2	5.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	81%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB47-29		
Lab Sample ID:	F62028-5	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054876.D	1	12/16/08	MM	12/06/08 11:40	n/a	VG2073
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.82 g	5.0 ml	100 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3200	1600	ug/kg	
75-05-8	Acetonitrile	ND	3200	1000	ug/kg	
107-02-8	Acrolein	ND	1600	630	ug/kg	
107-13-1	Acrylonitrile	ND	1600	440	ug/kg	
107-05-1	Allyl chloride	ND	1600	320	ug/kg	
71-43-2	Benzene	ND	320	64	ug/kg	
100-44-7	Benzyl Chloride	ND	320	71	ug/kg	
108-86-1	Bromobenzene	ND	320	64	ug/kg	
74-97-5	Bromochloromethane	ND	320	110	ug/kg	
75-27-4	Bromodichloromethane	ND	320	77	ug/kg	
75-25-2	Bromoform	ND	320	96	ug/kg	
104-51-8	n-Butylbenzene	ND	320	90	ug/kg	
135-98-8	sec-Butylbenzene	114	320	71	ug/kg	J
98-06-6	tert-Butylbenzene	99.9	320	71	ug/kg	J
108-90-7	Chlorobenzene	ND	320	64	ug/kg	
75-00-3	Chloroethane	ND	320	130	ug/kg	
67-66-3	Chloroform	ND	320	110	ug/kg	
544-10-5	1-Chlorohexane	ND	320	83	ug/kg	
95-49-8	o-Chlorotoluene	ND	320	64	ug/kg	
106-43-4	p-Chlorotoluene	ND	320	64	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1600	640	ug/kg	
75-15-0	Carbon disulfide	ND	320	71	ug/kg	
56-23-5	Carbon tetrachloride	ND	320	90	ug/kg	
75-34-3	1,1-Dichloroethane	ND	320	130	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	320	83	ug/kg	
563-58-6	1,1-Dichloropropene	ND	320	90	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	320	150	ug/kg	
106-93-4	1,2-Dibromoethane	ND	320	64	ug/kg	
107-06-2	1,2-Dichloroethane	ND	320	71	ug/kg	
78-87-5	1,2-Dichloropropane	ND	320	90	ug/kg	
142-28-9	1,3-Dichloropropane	ND	320	64	ug/kg	
594-20-7	2,2-Dichloropropane	ND	320	130	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB47-29		
Lab Sample ID:	F62028-5	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	320	64	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	320	130	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	320	100	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	320	83	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	1600	320	ug/kg	
541-73-1	m-Dichlorobenzene	ND	320	64	ug/kg	
95-50-1	o-Dichlorobenzene	ND	320	64	ug/kg	
106-46-7	p-Dichlorobenzene	ND	320	64	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	320	77	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	320	64	ug/kg	
100-41-4	Ethylbenzene	ND	320	64	ug/kg	
97-63-2	Ethyl methacrylate	ND	1600	320	ug/kg	
76-13-1	Freon 113	ND	320	170	ug/kg	
591-78-6	2-Hexanone	ND	1600	320	ug/kg	
87-68-3	Hexachlorobutadiene	ND	320	77	ug/kg	
110-54-3	Hexane	ND	320	150	ug/kg	
98-82-8	Isopropylbenzene	3050	320	71	ug/kg	
99-87-6	p-Isopropyltoluene	ND	320	71	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1600	410	ug/kg	
126-98-7	Methacrylonitrile	ND	1600	350	ug/kg	
74-83-9	Methyl bromide	ND	320	140	ug/kg	
74-87-3	Methyl chloride	ND	320	150	ug/kg	
74-88-4	Methyl iodide	ND	640	130	ug/kg	
80-62-6	Methyl methacrylate	ND	1600	320	ug/kg	
74-95-3	Methylene bromide	ND	320	96	ug/kg	
75-09-2	Methylene chloride [a]	544	640	320	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	1600	530	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	320	96	ug/kg	
91-20-3	Naphthalene	ND	320	130	ug/kg	
76-01-7	Pentachloroethane	ND	1600	320	ug/kg	
107-12-0	Propionitrile	ND	3200	770	ug/kg	
103-65-1	n-Propylbenzene	ND	320	77	ug/kg	
100-42-5	Styrene	ND	320	64	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	320	64	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	320	71	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	320	120	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	320	64	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	320	130	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	320	120	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	320	130	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Appendix A-3

Drilling Logs and Monitoring Well Construction Diagrams, SS-61 Pre-Design Characterization, NationView, January 2010

HTW DRILLING LOG

HOLE NO: SS61- MW17

1. COMPANY NAME: NationView	2. DRILLING CONTRACTOR: WDC Exploration and Wells
3. PROJECT: SS-61 Pilot Study	4. LOCATION: SS-61, Building 1001 Fuel Spill Site
5. NAME OF DRILLER: Juan Lares	6. MANUFACTURER'S DESIGNATION OF DRILL: CME 85 - Truck mount
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: 5' Continuous Sampler	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 1/16/10 — 11. DATE COMPLETED
12. OVERBURDEN THICKNESS: NA	15. DEPTH GROUNDWATER ENCOUNTERED
13. DEPTH DRILLED INTO ROCK: NA	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED
14. TOTAL DEPTH OF HOLE	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	—	—	—

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
None	—	—	—	—	—	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
4" Injection Well		4"		

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No f	Blow Counts g	REMARKS h
	0	Backfill Coarse Cobbles					
	1						
	2	5YR 6/4 - light reddish brown Silty Sand v. soft / dry					
	3						
	4		0-5 PID: 55 ppm				
	5						

HTW DRILLING LOG

HOLE NO: SS61- MW17

PROJECT: SS-61 Pilot Study

INSPECTOR: Zachary Beck

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	Same as above 10YR 8/3 - Very pale white Silt - Dense - Dry					
	7	5YR 6/4 - light reddish brown Sandy Silt V. soft V. slightly moist					
	8						
	9						
	10		S-10 PID: 2.0 ppm				
	11	10 YR 8/3 - Very pale white Silt - Dense - Dry					
	12	5YR 4/4 - Reddish brown Clay interbedded w/ coarse angular gypsum xls					
	13						
	14						
	15		10-15 PID: 2.1 ppm				
	16						
	17						
	18						
	19						
	20		15-20 PID: 2.9 ppm				
	21						
	22						
	23						

HTW DRILLING LOG

HOLE NO: SS61- MW17

PROJECT: SS-61 Pilot Study

INSPECTOR: Zachary Beede

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24	Visible Staining + odor	20-25 PID: 894 ppm				
	25	2.5Y 6/0 - Gray					
		Saturated @ 25' bgs					
	26						
	27						
	28						
	29						
	30		25-30 PID: 832 ppm				
	31						
	32						
	33	End PCS					
		5YR 6/4 - light reddish brown					
	34	Silty Sand					
		Dry					
	35		30-35 PID: 148 ppm				
		TD: 35' bgs					
	36						
	37						
	38						
	39						
	40						

PROJECT: SS-61 Pilot Study

HOLE NO: SS61- MW17

HTW DRILLING LOG

HOLE NO: SS61- MW18

1. COMPANY NAME: NationView	2. DRILLING CONTRACTOR: WDC Exploration and Wells
3. PROJECT: SS-61 Pilot Study	4. LOCATION: SS-61, Building 1001 Fuel Spill Site
5. NAME OF DRILLER: A. Alexander	6. MANUFACTURER'S DESIGNATION OF DRILL: CME 85 (Track mounted)
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: 5' Continuous Barrel	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 11/2/10 — 11. DATE COMPLETED: 11/2/10
12. OVERBURDEN THICKNESS: NA	15. DEPTH GROUNDWATER ENCOUNTERED: 25' bgs
13. DEPTH DRILLED INTO ROCK: NA	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED
14. TOTAL DEPTH OF HOLE: 25' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	—	—	—

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
Bulk Soil						

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
2" Monitoring Well		X		

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No e	Analytical Sample No f	Blow Counts g	REMARKS h
	0	Gravel Backfill					
		Dark brown					
	1	coarse cobbels					
	2	5YR 6/4 - light reddish brown					
		Silty Sand					
		v. soft / dry.					
	3						
	4						
	5						

HTW DRILLING LOG

HOLE NO: SS61- MW18

PROJECT: SS-61 Pilot Study

INSPECTOR: Zachary Beck

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	Same as above 10YR 8/3 - very pale white Silt - Dense - Dry					
	7	5YR 6/4 - light reddish brown Sandy Silt.					
	8	V. Soft V slightly moist					
	9						
	10						
	11	10YR 8/3 - very pale white Silt - Dense - Dry					
	12	5YR 4/4 - Reddish brown					
	13	Sandy Clay intermixed w/ coarse					
	14	gypsum r/s.					
	15						
	16						
	17						
	18						
	19						
	20						
	21						
	22						

HTW DRILLING LOG

HOLE NO: SS61- MW18

PROJECT: SS-61 Pilot Study

INSPECTOR: Zachary Beck

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		Same as above					
	24	Visible staining + odor					
	25	2.5Y 6/0 - Gray					
		Saturated @ 25' bgs					
	26	Black					
		very odorous					
	27						
	28						
	29						
	30						
	31	2.5Y 6/0 - Gray					
	32						
	33	SYC 6/4 - light reddish brown					
	34	Silty Sand					
		Dry					
	35	TD: 35' bgs					

HTW DRILLING LOG

HOLE NO: SS61-mw19

1. COMPANY NAME: NationView	2. DRILLING CONTRACTOR: WDC Exploration and Wells
3. PROJECT: SS-61 Pilot Study	4. LOCATION: SS-61, Building 1001 Fuel Spill Site
5. NAME OF DRILLER: Art Alexander	6. MANUFACTURER'S DESIGNATION OF DRILL: CME 85 (Track)
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: 5' Continuous Barrel	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 1/12/10 — 11. DATE COMPLETED: 1/21/10
12. OVERBURDEN THICKNESS: NA	15. DEPTH GROUNDWATER ENCOUNTERED: ~24' bgs
13. DEPTH DRILLED INTO ROCK: NA	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED
14. TOTAL DEPTH OF HOLE: 35' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	–	–	–

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
Bulk Soil						

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
2" Monitoring Well		X		

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No f	Blow Counts g	REMARKS h
	0–1	Gravel backfill Dark Brown large cobbles					
	2–3	10YR 8/3 - Very pale white Silty Sand v. soft + dry					

HTW DRILLING LOG

HOLE NO: SS61- mw19

PROJECT: SS-61 Pilot Study

INSPECTOR: Cochran Beck

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	Same as above					
	7						
	8	5YR 6/4 - light reddish brown Silty Sand					
	9	V. Soft					
	10						
	11						
	12	5YR 6/4 - Reddish Brown Sandy Clay intermixed w/ coarse					
	13	gypsum xls. moist					
	14						
	15						
	16						
	17						
	18						
	19						
	20	White Silt high gypsum content hard/dense.					
	21						
	22						No recovery 20-25' bgs.

PROJECT: SS-61 Pilot Study

HOLE NO: SS61- mw19

HTW DRILLING LOG

HOLE NO: SS61-mw19

PROJECT: SS-61 Pilot Study

INSPECTOR: Zachary Beck

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No e	Analytical Sample No. f	Blow Counts g	REMARKS h
	23	Same as above					
	24	Saturated @ 24' bgs					
		Visible Staining					
	25	2.5Y 6/0 - Gray					
	26						
	27						
	28						
	29						
	30						
	31						
	32						
	33	End visible staining					
		5YR 6/1 - Reddish Brown					
	34	Silty Clay					
		moist					
	35	TD: 35' bgs.					

HTW DRILLING LOG

HOLE NO: SS61- MW20

1 COMPANY NAME: NationView	2 DRILLING CONTRACTOR: WDC Exploration and Wells
SHEET 1 OF 3 SHEETS	
3 PROJECT: SS-61 Pilot Study	4 LOCATION: SS-61, Building 1001 Fuel Spill Site
5 NAME OF DRILLER: Sean Lares	6 MANUFACTURER'S DESIGNATION OF DRILL: CME 85 - Truck mount
7 SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: 5' Continuous Sampler	8 HOLE LOCATION: North East
	9 SURFACE ELEVATION (ft. NGVD)
	10 DATE STARTED: 1/16/10 — 11 DATE COMPLETED: 1
12 OVERBURDEN THICKNESS: NA	15 DEPTH GROUNDWATER ENCOUNTERED: ~24' bgs
13 DEPTH DRILLED INTO ROCK: NA	16 DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED
14 TOTAL DEPTH OF HOLE: 35' bgs	17 OTHER WATER LEVEL MEASUREMENTS (SPECIFY)

18 GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19 TOTAL NUMBER OF CORE BOXES
NA	—	—	—

20 SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21 TOTAL CORE REC %
None	—	—	—	—	—	

22 DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23 SIGNATURE OF INSPECTOR
4" Injection Well		4"		

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No e	Analytical Sample No f	Blow Counts g	REMARKS h
	0	Backfill / Topsoil Brown					
	1	10YR 8/3 - Very pale white Silty Sand					
	2						
	3						
	4	5YR 6/4 - light reddish brown Silty Sand	0-5 PID: 0.7 ppm				
	5						

HTW DRILLING LOG

HOLE NO: SS61- MW20

PROJECT: SS-61 Pilot Study

INSPECTOR: Zachary Beck

SHEET 2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	Same as above					
	7						
	8						
	9						
	10		5-10 PID: 0.6 ppm				
	11						
	12	5YR 8/2 - Very pale white Sandy Clay					
	13						
	14						
	15		10-15 PID: 1.2 ppm				
	16	5YR 4/4 - Reddish brown Sandy Clay intermixed w/ coarse angular gypsum xtl.					
	17						
	18						
	19						
	20		15-20 PID: 13.8 ppm				
	21						
	22						
	23						

HTW DRILLING LOG

HOLE NO: SS61- MW20

PROJECT: SS-61 Pilot Study

INSPECTOR: Zachary Beck

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24	moist (capillary fringe)					
		Visible contamination					
	25	2.5Y 6/0 - Gray	20-25				
		Saturated @ 25' bgs	PID: 1245 ppm				
	26						
	27						
	28						
	29						
	30		25-30				
			PID: 350 ppm				
	31						
	32						
		~~End visible~~					
	33	~~2.5YR 6/4 light reddish brown silty sand~~	End visible contamination @ 34' bgs				
	34	TD: 35' bgs					
		2.5YR 6/4 - light reddish brown	30-35				
	35		PID: 35.6 ppm				
	36						
	37						
	38						
	39						
	40						
	41						

PROJECT: SS-61 Pilot Study

HOLE NO: SS61- MW20

HTW DRILLING LOG

HOLE NO: SS61- MW21

1 COMPANY NAME: NationView	2 DRILLING CONTRACTOR: WDC Exploration and Wells
SHEET 1 OF 3 SHEETS	
3 PROJECT: SS-61 Pilot Study	4 LOCATION: SS-61, Building 1001 Fuel Spill Site
5 NAME OF DRILLER: A. Alexander	6 MANUFACTURER'S DESIGNATION OF DRILL: CME 85
7 SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: 5" Core Barrel	8 HOLE LOCATION: North East
	9 SURFACE ELEVATION (ft. NGVD)
	10 DATE STARTED: 1/11/10 — 11 DATE COMPLETED
12 OVERBURDEN THICKNESS: NA	15 DEPTH GROUNDWATER ENCOUNTERED: 25' bgs
13 DEPTH DRILLED INTO ROCK: NA	16 DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED
14 TOTAL DEPTH OF HOLE	17 OTHER WATER LEVEL MEASUREMENTS (SPECIFY)

18 GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19 TOTAL NUMBER OF CORE BOXES
NA	—	—	—

20 SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21 TOTAL CORE REC %
Bulk Soil						

22 DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23 SIGNATURE OF INSPECTOR
Monitoring Well		2" mw		

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No e	Analytical Sample No f	Blow Counts g	REMARKS h
	0	Top Soil / Backfill					
	1	10YR 8/3 - Very pale brown Silty Sand					
	2						
	3						
	4	5YR 6/4 - light reddish brown Silty Sand	0'-5' PID: 0.2ppm				
	5						

PROJECT: SS-61 Pilot Study

HOLE NO: SS61- MW21

HTW DRILLING LOG

PROJECT	INSPECTOR	HOLE NO	SHEET
SS-61 Pilot Study	Zachary Beale	SS61- MW21	2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	SAME AS ABOVE					
	7						
	8						
	9						
	10		5'-10' PID: 0.5ppm				
	11						
	12	5YR 8/2 - Very Pale white Silty Clay					
	13						
	14						
	15		10'-15' PID: 0.3ppm				
	16						
	17	5YR 4/4 - Reddish Brown Sandy Clay intermixed w/ coarse gypsum x15.					
	18						
	19						
	20		15'-20' PID: 0.5ppm				
	21						
	22						

HTW DRILLING LOG

PROJECT: SS-61 Pilot Study

INSPECTOR: Zachary Beck

HOLE NO: SS61- MW21

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	23	Same as above					
	24						
	25	Saturated @ 25' bgs	20-25 PID: 0.9 ppm				
		Visible staining					
	26	2.5Y 6/0 - Gray					
	27						
	28						
	29						
	30		25-30' PID: 221 ppm				
	31						
	32						
	33						
	34	5YR 4/4 - Reddish Brown					
	35	TD: 35' bgs	30-35 PID: 1.8 ppm				

HTW DRILLING LOG

HOLE NO: SS61- MW22

1. COMPANY NAME: NationView	2. DRILLING CONTRACTOR: WDC Exploration and Wells
3. PROJECT: SS-61 Pilot Study	4. LOCATION: SS-61, Building 1001 Fuel Spill Site
5. NAME OF DRILLER: Juan Lares	6. MANUFACTURER'S DESIGNATION OF DRILL
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: 5' Continuous Samplers	8. HOLE LOCATION: North East
	9. SURFACE ELEVATION (ft. NGVD)
	10. DATE STARTED: 1/16/10 — 11. DATE COMPLETED: 1/16/10
12. OVERBURDEN THICKNESS: NA	15. DEPTH GROUNDWATER ENCOUNTERED: ~ 25' bgs
13. DEPTH DRILLED INTO ROCK: NA	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED
14. TOTAL DEPTH OF HOLE: 35' bgs	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
NA	—	—	—

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE REC %
None	—	—	—	—	—	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
2" Monitoring Well		2" MW		

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No e	Analytical Sample No f	Blow Counts g	REMARKS h
	0	Backfill					
	1	10 YR 8/3 - Very pale white Silty Sand					
	2						
	3						
	4	5YR 6/4 - light reddish brown Silty Sand					
	5						

HTW DRILLING LOG

PROJECT	INSPECTOR	HOLE NO	SHEET
SS-61 Pilot Study	Zachary Beck	SS61- MW22	2 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No e	Analytical Sample No. f	Blow Counts g	REMARKS h
	6	Same as above					
	7						
	8						
	9						
	10						
	11						
	12	5YR 8/2 - Very pale white Sandy Clay					
	13						
	14						
	15						
	16	5YR 4/4 - Reddish Brown Sandy Clay interbedded w coarse angular gypsum xls.					
	17						
	18						
	19						
	20						
	21						
	22						
	23						

HTW DRILLING LOG

PROJECT: SS-61 Pilot Study

INSPECTOR: Zachary Beak

HOLE NO: SS61-MW22

SHEET 3 OF 3 SHEETS

ELEV a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24	Capillary Fringe					
	25	Visible contamination 2.5 Y 6/0 - Gray					
	26						
	27						
	28	Saturated					
	29						
	30						
	31						
	32						
	33						
	34	End PCS Silty Sand					
	35	2.5 YR 6/4 - light reddish brown TD: 35' bgs					
	36						
	37						
	38						
	39						
	40						
	41						

NATIONVIEW

WELL CONSTRUCTION DIAGRAM (Flush Mount)

SITE:	Building 1001 Fuel Spill Site (SS-61)	**WELL/BORING ID:**	SS61- MW17
PROJECT NAME:	SS-61 Pilot Study	**DRILLING METHOD:**	Hollow Stem Auger
PROJECT NO./PHASE:	8090014	**DATE(S):**	1/17/10
DRILLING CONTRACTOR:	WDC Exploration and Wells	**SURVEYOR:**	
DRILLER:	Juan Lares	**NORTHING (NAD 83):**	
GEOLOGIST:	Zachary Beck	**EASTING (NAD 83):**	

NOT TO SCALE

Surface Elevation (NAVD 88):

Casing Elevation (NAVD 88):

Borehole Diameter (in): 11.25

Well Casing Diameter (in): 4.0

DEPTH TO WATER

During Drilling: ~25 'bgs

Date: 1/17/10

Pre Development:

Date:

Post Development:

Date:

Top of Secondary Filter Pack: 17.5

Top of Filter Pack: 19.5

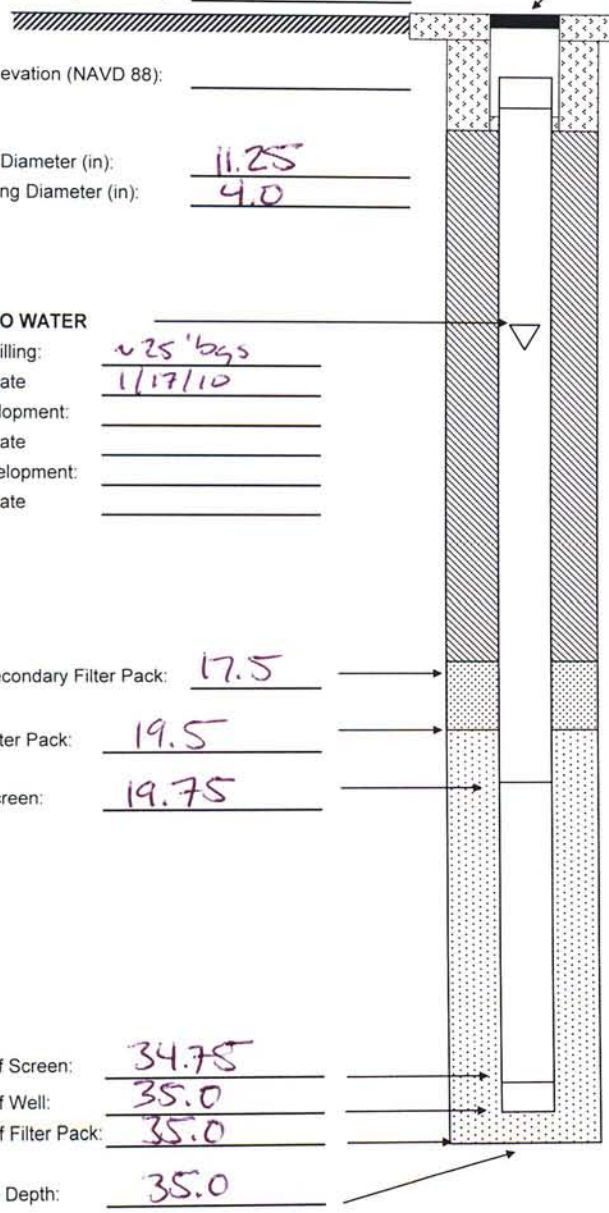
Top of Screen: 19.75

Bottom of Screen: 34.75

Bottom of Well: 35.0

Bottom of Filter Pack: 35.0

Borehole Depth: 35.0



PROTECTIVE CASING

Type: Flush mt cover

Dimensions: 12" diameter

Length: 12" long

SURFACE PAD

Dimensions: 3x3

Type: Concrete sq.

WELL CASING (RISER)

Manufacturer: Johnson

Type/Material: PVC

Diameter (in): 4.0

Connection: Flush thread

WELL SCREEN

Manufacturer: Johnson

Type/Material: PVC

Slot Size (in): 0.020

Slot Type: Continuous (Factory Slot)

Connection: Flush thread

ANNULAR SEAL

Type: Grout

Manufacturer: Baroid

Mud Scale: NA

Installation: (Gravity) Tremie Pressure

Volume: 12.76 ft3

Hydration Time: NA

SECONDARY FILTER PACK

Manufacturer: Baroid

Product Name: Hole-Plug

Size: 3/9"

Volume (ft3): 1.16 ft3

Installation: Tremie (Gravity)

PRIMARY FILTER PACK

Manufacturer: Carmeuse

Product Name: Colorado Silica Sand

Size: 10 x 20

Volume (ft3): 8.7 ft3

Installation: (Tremie) Gravity

SUMP/END CAP

Type: PVC

Length: 0.25

BACKFILL MATERIAL

Type: NA

Volume: NA

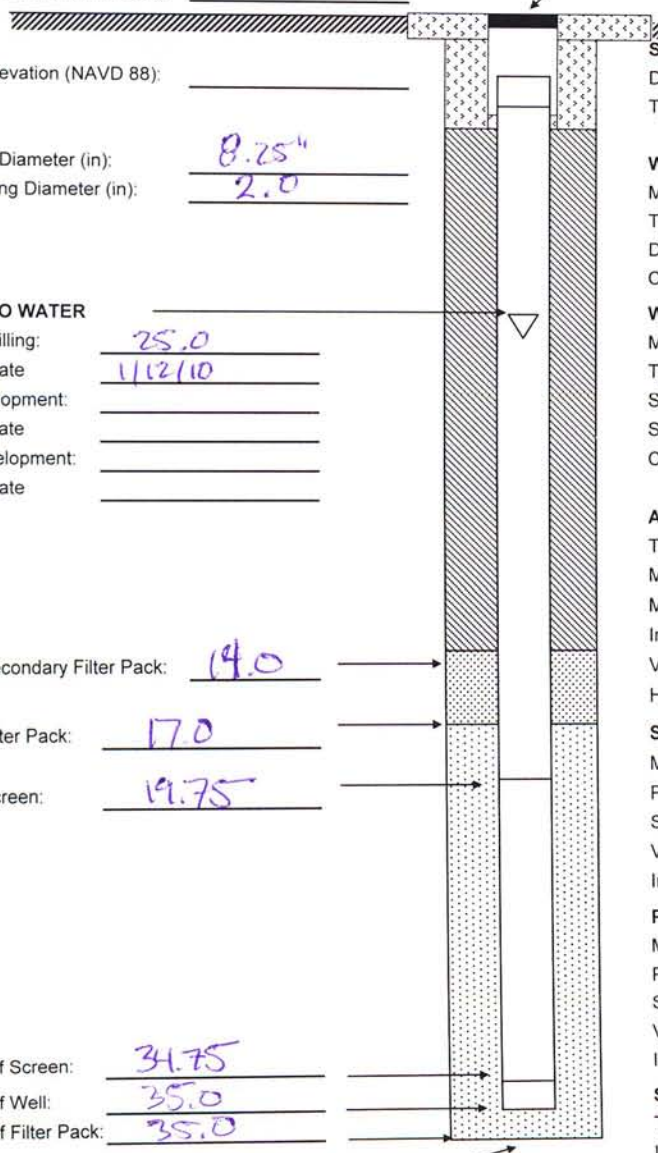
Comments:

NATIONVIEW

WELL CONSTRUCTION DIAGRAM (Flush Mount)

SITE:	Building 1001 Fuel Spill Site (SS-61)	WELL/BORING ID:	SS61- MW18
PROJECT NAME:	SS-61 Pilot Study	DRILLING METHOD:	Hollow Stem Auger
PROJECT NO./PHASE:	8090014	DATE(S):	1/12/10
DRILLING CONTRACTOR:	WDC Exploration and Wells	SURVEYOR:	
DRILLER:	A. Alexander	NORTHING (NAD 83):	
GEOLOGIST:	Z. Beck	EASTING (NAD 83):	

NOT TO SCALE



Surface Elevation (NAVD 88):

Casing Elevation (NAVD 88):

Borehole Diameter (in): 8.25"

Well Casing Diameter (in): 2.0

DEPTH TO WATER

During Drilling: 25.0

Date: 1/12/10

Pre Development:

Date:

Post Development:

Date:

Top of Secondary Filter Pack: 14.0

Top of Filter Pack: 17.0

Top of Screen: 19.75

Bottom of Screen: 34.75

Bottom of Well: 35.0

Bottom of Filter Pack: 35.0

Borehole Depth: 35.0

PROTECTIVE CASING

Type: Flush mnt.

Dimensions: 8"

Length: 12"

Existing Surface

SURFACE PAD

Dimensions: 2 x 2

Type: Concrete sq.

WELL CASING (RISER)

Manufacturer: Johnson

Type/Material: PVC

Diameter (in): 2.0"

Connection: Flush Threaded

WELL SCREEN

Manufacturer: Johnson

Type/Material: PVC

Slot Size (in): 0.020

Slot Type: Continuous (Factory Slot)

Connection: Flush Threaded

ANNULAR SEAL

Type: Grout

Manufacturer: Bayoid

Mud Scale: NA

Installation: (Gravity) Tremie Pressure

Volume: 4.76 ft3

Hydration Time: NA

SECONDARY FILTER PACK

Manufacturer: Bayoid

Product Name: Hole Plug

Size: 3/8" chip

Volume (ft3): 0.66 ft3

Installation: Tremie (Gravity)

PRIMARY FILTER PACK

Manufacturer: Carmeuse

Product Name: Colorado Silica Sand

Size: 10 x 20

Volume (ft3): 6.12 ft3

Installation: (Tremie) Gravity

SUMP/END CAP

Type: PVC

Length: 0.25"

BACKFILL MATERIAL

Type: N/A

Volume: NA

Comments:

NATIONVIEW

WELL CONSTRUCTION DIAGRAM (Flush Mount)

SITE:	Building 1001 Fuel Spill Site (SS-61)	WELL/BORING ID:	SS61- MW19
PROJECT NAME:	SS-61 Pilot Study	DRILLING METHOD:	Hollow Stem Auger
PROJECT NO./PHASE:	8090014	DATE(S):	1/12/10
DRILLING CONTRACTOR:	WDC Exploration and Wells	SURVEYOR:	
DRILLER:	Art Alexander	NORTHING (NAD 83):	
GEOLOGIST:	Zachary Beck	EASTING (NAD 83):	

NOT TO SCALE

Surface Elevation (NAVD 88):

Casing Elevation (NAVD 88):

Borehole Diameter (in): 8.25

Well Casing Diameter (in): 2.0

DEPTH TO WATER

During Drilling: ~24' bgs

Date: 1/12/10

Pre Development:

Date:

Post Development:

Date:

Top of Secondary Filter Pack: 14.0

Top of Filter Pack: 17.0

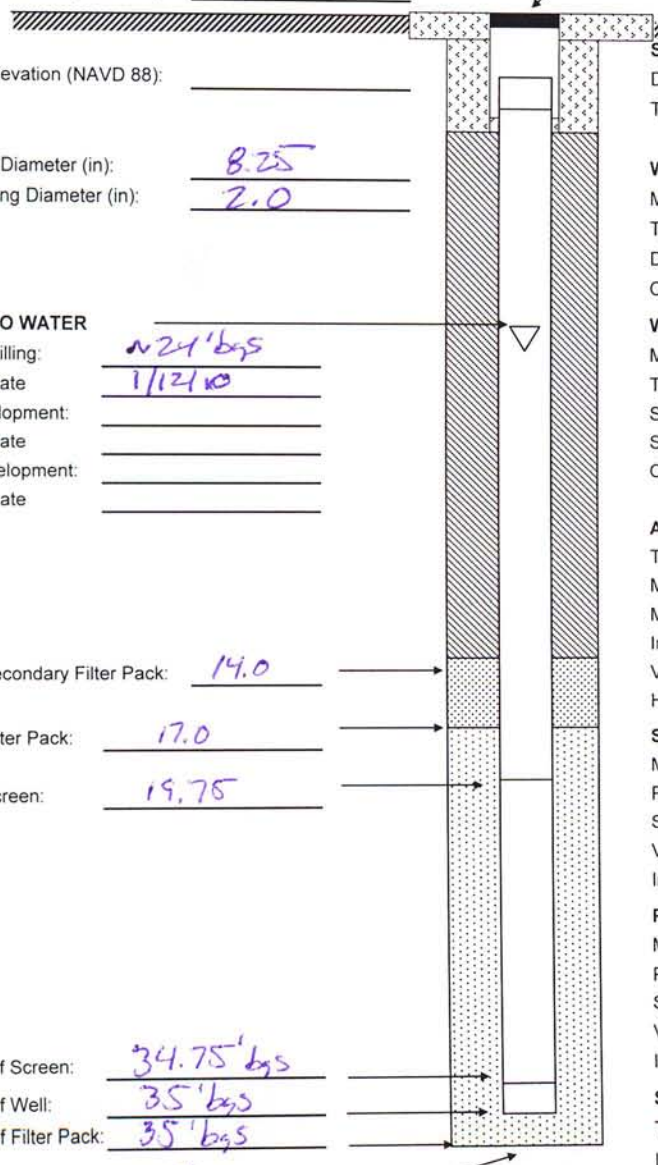
Top of Screen: 19.75

Bottom of Screen: 34.75' bgs

Bottom of Well: 35' bgs

Bottom of Filter Pack: 35' bgs

Borehole Depth: 35' bgs



PROTECTIVE CASING

Type: Flush mount

Dimensions: 8"

Length: 12"

SURFACE PAD

Dimensions: 2x2

Type: Concrete Sq.

WELL CASING (RISER)

Manufacturer: Johnson

Type/Material: PVC

Diameter (in): 2"

Connection: Flush Threaded

WELL SCREEN

Manufacturer: Johnson

Type/Material: PVC

Slot Size (in): 0.020

Slot Type: Continuous (Factory Slot)

Connection: Flush Threaded

ANNULAR SEAL

Type: Grout

Manufacturer: Baroid

Mud Scale: N/A

Installation: (Gravity) Tremie Pressure

Volume: 4.76 ft³

Hydration Time: N/A

SECONDARY FILTER PACK

Manufacturer: Baroid

Product Name: Hole Plug

Size: 3/8"

Volume (ft3): 0.68 ft³

Installation: Tremie (Gravity)

PRIMARY FILTER PACK

Manufacturer: Carmense

Product Name: Colorado Silica Sand

Size: 10x20

Volume (ft3): 6.12 ft³

Installation: (Tremie) Gravity

SUMP/END CAP

Type: 0.25

Length: PVC

BACKFILL MATERIAL

Type: NA

Volume: NA

Comments:

NATIONVIEW

WELL CONSTRUCTION DIAGRAM (Flush Mount)

SITE:	Building 1001 Fuel Spill Site (SS-61)	WELL/BORING ID:	SS61- MW20
PROJECT NAME:	SS-61 Pilot Study	DRILLING METHOD:	Hollow Stem Auger
PROJECT NO./PHASE:	8090014	DATE(S):	1/18/10
DRILLING CONTRACTOR:	WDC Exploration and Wells	SURVEYOR:	
DRILLER:	Art Alexander	NORTHING (NAD 83):	
GEOLOGIST:	Zack Beck	EASTING (NAD 83):	

NOT TO SCALE

Surface Elevation (NAVD 88):

Casing Elevation (NAVD 88):

Borehole Diameter (in): 11.25"

Well Casing Diameter (in): 4.0

DEPTH TO WATER

During Drilling: ~25' bgs

Date: 1/18/10

Pre Development:

Date:

Post Development:

Date:

Top of Secondary Filter Pack: 21.0

Top of Filter Pack: 23.25

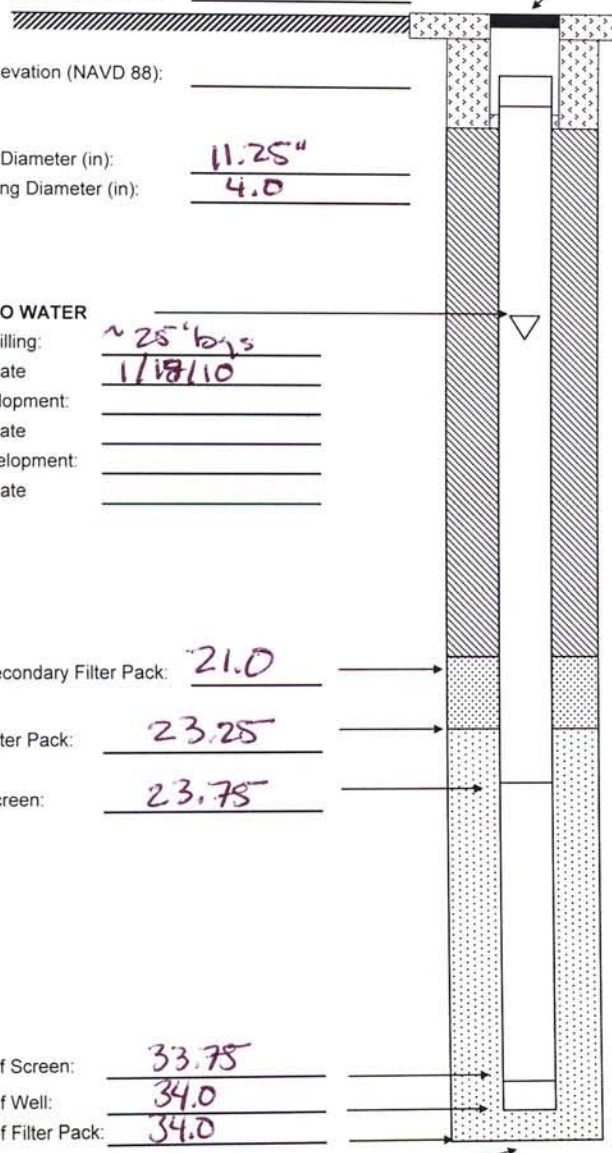
Top of Screen: 23.75

Bottom of Screen: 33.75

Bottom of Well: 34.0

Bottom of Filter Pack: 34.0

Borehole Depth: 34.0



PROTECTIVE CASING

Type: Flush mt cover

Dimensions: 12" diameter

Length: 12" long

SURFACE PAD

Dimensions: 3x3

Type: Concrete sq.

WELL CASING (RISER)

Manufacturer: Johnson

Type/Material: PVC

Diameter (in): 4.0

Connection: Flush Threaded

WELL SCREEN

Manufacturer: Johnson

Type/Material: PVC

Slot Size (in): 0.020

Slot Type: Continuous (Factory Slot)

Connection: Flush Threaded

ANNULAR SEAL

Type: Grout

Manufacturer: Baroid

Mud Scale: NA

Installation: (Gravity) Tremie Pressure

Volume: 12.18 ft³

Hydration Time: NA

SECONDARY FILTER PACK

Manufacturer: Baroid

Product Name: Hole plug (chip)

Size: 3/8"

Volume (ft3): 1.16 ft³

Installation: Tremie (Gravity)

PRIMARY FILTER PACK

Manufacturer: Carmeuse

Product Name: Colorado Silica Sand

Size: 10x20

Volume (ft3): 6.09 ft³

Installation: (Tremie) Gravity

SUMP/END CAP

Type: PVC

Length: 0.25"

BACKFILL MATERIAL

Type: NA

Volume: NA

Comments:

NATIONVIEW

WELL CONSTRUCTION DIAGRAM (Flush Mount)

SITE:	Building 1001 Fuel Spill Site (SS-61)	**WELL/BORING ID:**	SS61- MW21
PROJECT NAME:	SS-61 Pilot Study	**DRILLING METHOD:**	Hollow Stem Auger
PROJECT NO./PHASE:	8090014	**DATE(S):**	1/11/10
DRILLING CONTRACTOR:	WDC Exploration and Wells	**SURVEYOR:**	
DRILLER:	Bart Alexander	**NORTHING (NAD 83):**	
GEOLOGIST:	Zachary Beck	**EASTING (NAD 83):**	

NOT TO SCALE

Surface Elevation (NAVD 88): _____

Casing Elevation (NAVD 88): _____

Borehole Diameter (in): 8.25"

Well Casing Diameter (in): 2"

DEPTH TO WATER

During Drilling: ~25' bgs

Date: 1/11/10

Pre Development: _____

Date: _____

Post Development: _____

Date: _____

Top of Secondary Filter Pack: 15.0

Top of Filter Pack: 17.0

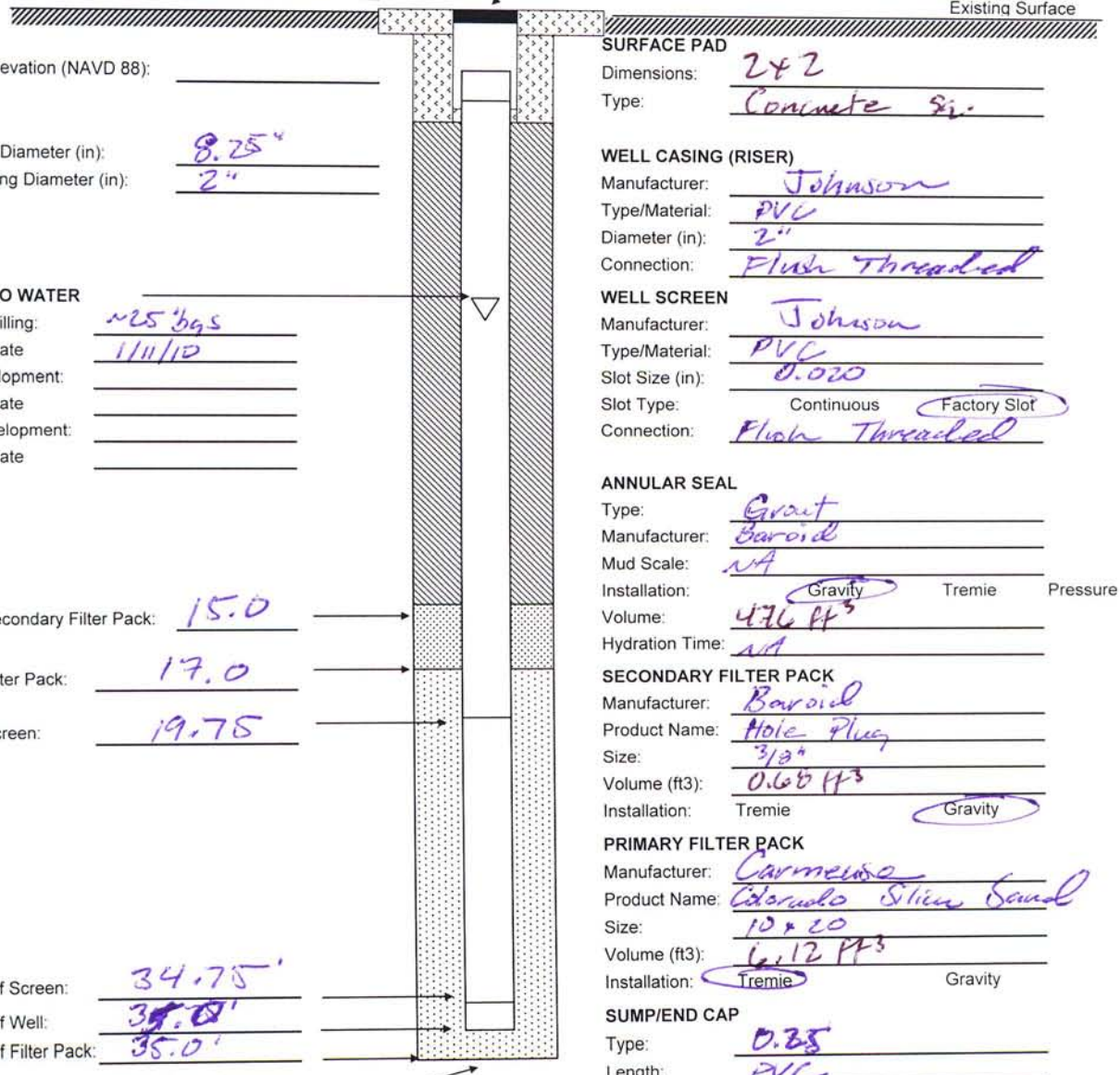
Top of Screen: 19.75

Bottom of Screen: 34.75'

Bottom of Well: 35.0'

Bottom of Filter Pack: 35.0'

Borehole Depth: 35.0'



PROTECTIVE CASING

Type: Flush Mt

Dimensions: 8"

Length: 12"

SURFACE PAD

Dimensions: 2x2

Type: Concrete Sq.

WELL CASING (RISER)

Manufacturer: Johnson

Type/Material: PVC

Diameter (in): 2"

Connection: Flush Threaded

WELL SCREEN

Manufacturer: Johnson

Type/Material: PVC

Slot Size (in): 0.020

Slot Type: Continuous (Factory Slot)

Connection: Flush Threaded

ANNULAR SEAL

Type: Grout

Manufacturer: Baroid

Mud Scale: NA

Installation: (Gravity) Tremie Pressure

Volume: 476 ft³

Hydration Time: NA

SECONDARY FILTER PACK

Manufacturer: Baroid

Product Name: Hole Plug

Size: 3/8"

Volume (ft3): 0.68 ft³

Installation: Tremie (Gravity)

PRIMARY FILTER PACK

Manufacturer: Carmeuse

Product Name: Colorado Silica Sand

Size: 10 x 20

Volume (ft3): 6.12 ft³

Installation: (Tremie) Gravity

SUMP/END CAP

Type: 0.35

Length: PVC

BACKFILL MATERIAL

Type: NA

Volume: NA

Comments:

NATIONVIEW

WELL CONSTRUCTION DIAGRAM (Flush Mount)

SITE:	Building 1001 Fuel Spill Site (SS-61)	**WELL/BORING ID:**	SS61- MW22
PROJECT NAME:	SS-61 Pilot Study	**DRILLING METHOD:**	Hollow Stem Auger
PROJECT NO./PHASE:	8090014	**DATE(S):**	1/16/10
DRILLING CONTRACTOR:	WDC Exploration and Wells	**SURVEYOR:**	
DRILLER:	J. Lares	**NORTHING (NAD 83):**	
GEOLOGIST:	Z. Beck	**EASTING (NAD 83):**	

NOT TO SCALE

Surface Elevation (NAVD 88):

Casing Elevation (NAVD 88):

Borehole Diameter (in): 8.25

Well Casing Diameter (in): 2.0

DEPTH TO WATER

During Drilling: 24.0

Date: 1/16/10

Pre Development:

Date:

Post Development:

Date:

Top of Secondary Filter Pack: 16.0

Top of Filter Pack: 18.0

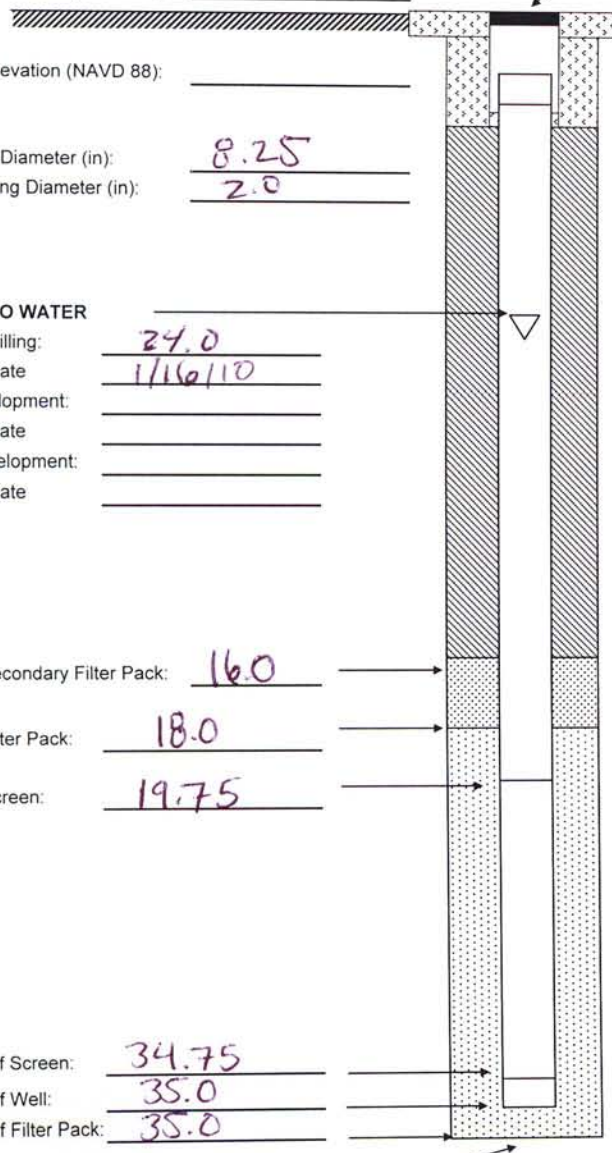
Top of Screen: 19.75

Bottom of Screen: 34.75

Bottom of Well: 35.0

Bottom of Filter Pack: 35.0

Borehole Depth: 35.0



PROTECTIVE CASING

Type: Flush mount cover

Dimensions: 8" Diameter

Length: 12" long

SURFACE PAD

Dimensions: 2x2

Type: Concrete pad

WELL CASING (RISER)

Manufacturer: Johnson

Type/Material: PVC

Diameter (in): 2.0

Connection: Flush Thread

WELL SCREEN

Manufacturer: Johnson

Type/Material: PVC

Slot Size (in): 0.020

Slot Type: Continuous (Factory Slot)

Connection: Flush Thread

ANNULAR SEAL

Type: Grout

Manufacturer: Baroid

Mud Scale: N/A

Installation: (Gravity) Tremie Pressure

Volume: 4.76 ft3

Hydration Time: NA

SECONDARY FILTER PACK

Manufacturer: Baroid

Product Name: Hole Plug - Chip

Size: 3/8"

Volume (ft3): 0.60 ft3

Installation: Tremie (Gravity)

PRIMARY FILTER PACK

Manufacturer: Carmeuse

Product Name: Colorado Silica Sand

Size: 10 x 20

Volume (ft3): 6.12 ft3

Installation: (Tremie) Gravity

SUMP/END CAP

Type: PVC

Length: 0.25"

BACKFILL MATERIAL

Type: NA

Volume: NA

Comments:

Report of Analysis

Client Sample ID:	SS61-SB47-29		
Lab Sample ID:	F62028-5	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	141	320	64	ug/kg	J
108-67-8	1,3,5-Trimethylbenzene	ND	320	64	ug/kg	
127-18-4	Tetrachloroethylene	ND	320	77	ug/kg	
108-88-3	Toluene	ND	320	64	ug/kg	
79-01-6	Trichloroethylene	ND	320	77	ug/kg	
75-69-4	Trichlorofluoromethane	ND	320	130	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	1600	320	ug/kg	
75-01-4	Vinyl chloride	ND	320	130	ug/kg	
108-05-4	Vinyl Acetate	ND	1600	770	ug/kg	
	m,p-Xylene	ND	640	120	ug/kg	
95-47-6	o-Xylene	ND	320	64	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-121%
2037-26-5	Toluene-D8	95%		71-130%
460-00-4	4-Bromofluorobenzene	95%		59-148%
17060-07-0	1,2-Dichloroethane-D4	104%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB47-29		
Lab Sample ID:	F62028-5	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	81.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045242.D	1	12/16/08	AH	12/06/08 11:40	n/a	GQR1967
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.82 g	5.0 ml	25.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	116	26	13	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	87%		56-136%
98-08-8	aaa-Trifluorotoluene	94%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB47-29		
Lab Sample ID:	F62028-5	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	81.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24582.D	1	12/17/08	NY	12/09/08	OP27393	GLL916
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.1	mg/kg	
	TPH (> C22-C36)	ND	10	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB47-35		
Lab Sample ID:	F62028-6	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054877.D	1	12/16/08	MM	12/06/08 11:40	n/a	VG2073
Run #2							

	Initial Weight
Run #1	5.59 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	55	28	ug/kg	
75-05-8	Acetonitrile	ND	55	18	ug/kg	
107-02-8	Acrolein	ND	28	11	ug/kg	
107-13-1	Acrylonitrile	ND	28	7.7	ug/kg	
107-05-1	Allyl chloride	ND	28	5.5	ug/kg	
71-43-2	Benzene	214	5.5	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.5	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.5	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.5	1.9	ug/kg	
75-27-4	Bromodichloromethane	ND	5.5	1.3	ug/kg	
75-25-2	Bromoform	ND	5.5	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	5.5	1.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.5	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.5	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.5	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.5	2.2	ug/kg	
67-66-3	Chloroform	ND	5.5	1.9	ug/kg	
544-10-5	1-Chlorohexane	ND	5.5	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.5	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.5	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	28	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.5	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.5	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.5	2.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.5	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.5	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.5	2.7	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.5	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	5.1	5.5	1.2	ug/kg	J
78-87-5	1,2-Dichloropropane	ND	5.5	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.5	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.5	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB47-35		
Lab Sample ID:	F62028-6	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.5	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.5	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.5	1.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.5	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	28	5.5	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.5	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.5	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.5	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.5	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.5	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.5	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	28	5.5	ug/kg	
76-13-1	Freon 113	ND	5.5	2.9	ug/kg	
591-78-6	2-Hexanone	ND	28	5.5	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.5	1.3	ug/kg	
110-54-3	Hexane	ND	5.5	2.7	ug/kg	
98-82-8	Isopropylbenzene	11.4	5.5	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.5	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	28	7.1	ug/kg	
126-98-7	Methacrylonitrile	ND	28	6.1	ug/kg	
74-83-9	Methyl bromide	ND	5.5	2.4	ug/kg	
74-87-3	Methyl chloride	ND	5.5	2.7	ug/kg	
74-88-4	Methyl iodide	ND	11	2.2	ug/kg	
80-62-6	Methyl methacrylate	ND	28	5.5	ug/kg	
74-95-3	Methylene bromide	ND	5.5	1.7	ug/kg	
75-09-2	Methylene chloride [a]	6.6	11	5.5	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	28	9.2	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.5	1.7	ug/kg	
91-20-3	Naphthalene	ND	5.5	2.2	ug/kg	
76-01-7	Pentachloroethane	ND	28	5.5	ug/kg	
107-12-0	Propionitrile	ND	55	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.5	1.3	ug/kg	
100-42-5	Styrene	ND	5.5	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.5	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.5	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.5	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.5	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.5	2.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.5	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.5	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB47-35		
Lab Sample ID:	F62028-6	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.5	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.5	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.5	1.3	ug/kg	
108-88-3	Toluene	ND	5.5	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.5	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.5	2.2	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	28	5.5	ug/kg	
75-01-4	Vinyl chloride	ND	5.5	2.2	ug/kg	
108-05-4	Vinyl Acetate	ND	28	13	ug/kg	
	m,p-Xylene	ND	11	2.1	ug/kg	
95-47-6	o-Xylene	ND	5.5	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-121%
2037-26-5	Toluene-D8	95%		71-130%
460-00-4	4-Bromofluorobenzene	101%		59-148%
17060-07-0	1,2-Dichloroethane-D4	102%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB47-35		
Lab Sample ID:	F62028-6	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	80.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045243.D	1	12/16/08	AH	12/06/08 11:40	n/a	GQR1967
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.50 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.8	3.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	76%		56-136%
98-08-8	aaa-Trifluorotoluene	77%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB47-35		
Lab Sample ID:	F62028-6	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	80.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24583.D	1	12/17/08	NY	12/09/08	OP27393	GLL916
Run #2							

	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.0	mg/kg	
	TPH (> C22-C36)	ND	10	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	84%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F62028-7	**Date Sampled:**	12/04/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/06/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054892.D	1	12/16/08	MM	n/a	n/a	VG2073
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F62028-7	**Date Sampled:**	12/04/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/06/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride [a]	23.6	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F62028-7	**Date Sampled:**	12/04/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/06/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-121%
2037-26-5	Toluene-D8	96%		71-130%
460-00-4	4-Bromofluorobenzene	95%		59-148%
17060-07-0	1,2-Dichloroethane-D4	103%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

F62028

Page 1 of 1

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number [1]: 12-05-2008-2

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Zack Beck / Greg Kinsman

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)						Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
	Sample Analysis Requested [5]																		Quality Assurance Samples [6]			
1	SS61-SB45 15	SS61-SB45	04-Dec-2008	1430	13 - 15	N	01	SO	5	X	X	X										2
2	SS61-SB45 20	SS61-SB45	04-Dec-2008	1440	18 - 20	N	01	SO	5	X	X	X										2
3	SS61-SB45 32	SS61-SB45	04-Dec-2008	1450	30 - 32	N	01	SO	5	X	X	X										2
4	SS61-SB47 25	SS61-SB47	05-Dec-2008	0950	23 - 25	N	01	SO	5	X	X	X										2
5	SS61-SB47 29	SS61-SB47	05-Dec-2008	1000	27 - 29	N	01	SO	5	X	X	X										2
6	SS61-SB47 35	SS61-SB47	05-Dec-2008	1010	33 - 35	N	01	SO	5	X	X	X										2
7	Trip Blank				-	TB		WQ	3	X												2
					-																	
					-																	
					-																	
					-																	

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time		Received by (signed)	Date	Time
1.	[signature]	12/05/08	1400	1.	FX		
2.	FX			2.	J. Cozine	12.6.08	07:30
3.				3.			

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: Shipped No.:

Method of Shipment: Airbill Number:

Analytical Lab: Accutest Laboratories Delivery Location:

Lab Recipient: Delivery Date/Time:

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-t) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

3.0

F62028: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F62028 CLIENT: BHATE PROJECT: SS-61

DATE/TIME RECEIVED: 12-6-08 09:30 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 3.0

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8668 3474 8731

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [X] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOURS
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS

MISC. INFORMATION

NUMBER OF ENCORES ? 24

NUMBER OF 5035 FIELD KITS ? 18

NUMBER OF LAB FILTERED METALS ?

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE: JC 12-6-08 TECHNICIAN SIGNATURE/DATE: ET 12-6-08

ASBD 12/17/07

F62028: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F62028
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2071-MB	G0054811.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62028-1, F62028-2, F62028-3, F62028-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F62028
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2071-MB	G0054811.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62028-1, F62028-2, F62028-3, F62028-4

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F62028
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2071-MB	G0054811.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62028-1, F62028-2, F62028-3, F62028-4

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	80-121%
2037-26-5	Toluene-D8	91%	71-130%
460-00-4	4-Bromofluorobenzene	92%	59-148%
17060-07-0	1,2-Dichloroethane-D4	100%	77-123%

Method Blank Summary

Job Number: F62028
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2073-MB	G0054875.D	1	12/16/08	MM	n/a	n/a	VG2073

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62028-5, F62028-6, F62028-7

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F62028
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2073-MB	G0054875.D	1	12/16/08	MM	n/a	n/a	VG2073

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62028-5, F62028-6, F62028-7

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F62028
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2073-MB	G0054875.D	1	12/16/08	MM	n/a	n/a	VG2073

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62028-5, F62028-6, F62028-7

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	80-121%
2037-26-5	Toluene-D8	94%	71-130%
460-00-4	4-Bromofluorobenzene	103%	59-148%
17060-07-0	1,2-Dichloroethane-D4	107%	77-123%

Blank Spike Summary

Job Number: F62028
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2071-BS	G0054810.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62028-1, F62028-2, F62028-3, F62028-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	140	56*	61-144
75-05-8	Acetonitrile	500	523	105	59-139
107-02-8	Acrolein	250	45.5	18*	27-156
107-13-1	Acrylonitrile	250	200	80	55-144
107-05-1	Allyl chloride	50	60.5	121	41-152
71-43-2	Benzene	50	53.0	106	78-130
100-44-7	Benzyl Chloride	50	39.8	80	74-130
108-86-1	Bromobenzene	50	53.4	107	78-123
74-97-5	Bromochloromethane	50	43.0	86	72-122
75-27-4	Bromodichloromethane	50	47.8	96	73-122
75-25-2	Bromoform	50	38.0	76	70-139
104-51-8	n-Butylbenzene	50	59.8	120	80-138
135-98-8	sec-Butylbenzene	50	56.9	114	82-132
98-06-6	tert-Butylbenzene	50	55.7	111	79-130
108-90-7	Chlorobenzene	50	53.1	106	83-122
75-00-3	Chloroethane	50	48.9	98	61-153
67-66-3	Chloroform	50	52.7	105	79-129
544-10-5	1-Chlorohexane	50	52.5	105	85-137
95-49-8	o-Chlorotoluene	50	56.2	112	77-123
106-43-4	p-Chlorotoluene	50	54.5	109	78-129
110-75-8	2-Chloroethyl vinyl ether	250	277	111	52-142
75-15-0	Carbon disulfide	50	44.6	89	61-142
56-23-5	Carbon tetrachloride	50	47.0	94	79-135
75-34-3	1,1-Dichloroethane	50	55.0	110	77-132
75-35-4	1,1-Dichloroethylene	50	48.6	97	66-132
563-58-6	1,1-Dichloropropene	50	48.2	96	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	40.8	82	67-129
106-93-4	1,2-Dibromoethane	50	42.1	84	77-126
107-06-2	1,2-Dichloroethane	50	44.3	89	78-129
78-87-5	1,2-Dichloropropane	50	49.5	99	74-127
142-28-9	1,3-Dichloropropane	50	44.1	88	78-118
594-20-7	2,2-Dichloropropane	50	53.8	108	80-137
124-48-1	Dibromochloromethane	50	46.0	92	78-117
75-71-8	Dichlorodifluoromethane	50	34.9	70	35-162
156-59-2	cis-1,2-Dichloroethylene	50	51.4	103	74-123
10061-01-5	cis-1,3-Dichloropropene	50	50.7	101	79-130

Blank Spike Summary

Job Number: F62028
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2071-BS	G0054810.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62028-1, F62028-2, F62028-3, F62028-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	38.6	77	71-126
541-73-1	m-Dichlorobenzene	50	54.4	109	82-126
95-50-1	o-Dichlorobenzene	50	51.9	104	83-123
106-46-7	p-Dichlorobenzene	50	53.9	108	84-124
156-60-5	trans-1,2-Dichloroethylene	50	50.5	101	77-129
10061-02-6	trans-1,3-Dichloropropene	50	50.4	101	87-131
100-41-4	Ethylbenzene	50	54.9	110	82-124
97-63-2	Ethyl methacrylate	50	41.1	82	78-118
76-13-1	Freon 113	50	48.5	97	62-147
591-78-6	2-Hexanone	250	173	69	67-130
87-68-3	Hexachlorobutadiene	50	59.5	119	77-150
110-54-3	Hexane	50	54.9	110	65-147
98-82-8	Isopropylbenzene	50	57.3	115	82-133
99-87-6	p-Isopropyltoluene	50	58.0	116	82-132
108-10-1	4-Methyl-2-pentanone	250	191	76	69-125
126-98-7	Methacrylonitrile	500	380	76	70-138
74-83-9	Methyl bromide	50	50.8	102	60-146
74-87-3	Methyl chloride	50	48.6	97	58-163
74-88-4	Methyl iodide	50	42.7	85	66-128
80-62-6	Methyl methacrylate	50	40.0	80	73-125
74-95-3	Methylene bromide	50	44.9	90	75-128
75-09-2	Methylene chloride	50	52.0	104	62-140
78-93-3	Methyl ethyl ketone	250	148	59*	66-134
1634-04-4	Methyl Tert Butyl Ether	50	44.4	89	70-131
91-20-3	Naphthalene	50	43.7	87	59-143
76-01-7	Pentachloroethane	50	56.8	114	64-156
107-12-0	Propionitrile	500	355	71*	73-133
103-65-1	n-Propylbenzene	50	56.3	113	78-129
100-42-5	Styrene	50	54.7	109	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	52.0	104	81-121
71-55-6	1,1,1-Trichloroethane	50	52.9	106	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	42.0	84	70-128
79-00-5	1,1,2-Trichloroethane	50	44.0	88	76-118
87-61-6	1,2,3-Trichlorobenzene	50	50.1	100	78-136
96-18-4	1,2,3-Trichloropropane	50	38.2	76	74-125
120-82-1	1,2,4-Trichlorobenzene	50	54.6	109	82-137

Blank Spike Summary

Job Number: F62028
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2071-BS	G0054810.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62028-1, F62028-2, F62028-3, F62028-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	55.3	111	77-129
108-67-8	1,3,5-Trimethylbenzene	50	57.3	115	79-129
127-18-4	Tetrachloroethylene	50	53.8	108	79-132
108-88-3	Toluene	50	53.7	107	80-123
79-01-6	Trichloroethylene	50	51.4	103	78-132
75-69-4	Trichlorofluoromethane	50	49.1	98	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	85.2	170*	74-138
75-01-4	Vinyl chloride	50	43.4	87	60-145
108-05-4	Vinyl Acetate	250	185	74	25-164
	m,p-Xylene	100	110	110	82-128
95-47-6	o-Xylene	50	55.0	110	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	80-121%
2037-26-5	Toluene-D8	97%	71-130%
460-00-4	4-Bromofluorobenzene	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	87%	77-123%

Blank Spike Summary

Job Number: F62028
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2073-BS	G0054874.D	1	12/16/08	MM	n/a	n/a	VG2073

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62028-5, F62028-6, F62028-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	148	59*	61-144
75-05-8	Acetonitrile	500	445	89	59-139
107-02-8	Acrolein	250	33.7	13*	27-156
107-13-1	Acrylonitrile	250	229	92	55-144
107-05-1	Allyl chloride	50	53.8	108	41-152
71-43-2	Benzene	50	51.8	104	78-130
100-44-7	Benzyl Chloride	50	43.6	87	74-130
108-86-1	Bromobenzene	50	53.5	107	78-123
74-97-5	Bromochloromethane	50	44.0	88	72-122
75-27-4	Bromodichloromethane	50	47.2	94	73-122
75-25-2	Bromoform	50	40.7	81	70-139
104-51-8	n-Butylbenzene	50	54.7	109	80-138
135-98-8	sec-Butylbenzene	50	53.7	107	82-132
98-06-6	tert-Butylbenzene	50	53.6	107	79-130
108-90-7	Chlorobenzene	50	53.4	107	83-122
75-00-3	Chloroethane	50	41.7	83	61-153
67-66-3	Chloroform	50	49.6	99	79-129
544-10-5	1-Chlorohexane	50	54.2	108	85-137
95-49-8	o-Chlorotoluene	50	53.5	107	77-123
106-43-4	p-Chlorotoluene	50	53.8	108	78-129
110-75-8	2-Chloroethyl vinyl ether	250	316	126	52-142
75-15-0	Carbon disulfide	50	42.4	85	61-142
56-23-5	Carbon tetrachloride	50	52.1	104	79-135
75-34-3	1,1-Dichloroethane	50	50.1	100	77-132
75-35-4	1,1-Dichloroethylene	50	48.1	96	66-132
563-58-6	1,1-Dichloropropene	50	50.5	101	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	45.0	90	67-129
106-93-4	1,2-Dibromoethane	50	47.2	94	77-126
107-06-2	1,2-Dichloroethane	50	48.1	96	78-129
78-87-5	1,2-Dichloropropane	50	48.0	96	74-127
142-28-9	1,3-Dichloropropane	50	47.6	95	78-118
594-20-7	2,2-Dichloropropane	50	47.1	94	80-137
124-48-1	Dibromochloromethane	50	48.9	98	78-117
75-71-8	Dichlorodifluoromethane	50	27.0	54	35-162
156-59-2	cis-1,2-Dichloroethylene	50	49.2	98	74-123
10061-01-5	cis-1,3-Dichloropropene	50	49.6	99	79-130

Blank Spike Summary

Job Number: F62028
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2073-BS	G0054874.D	1	12/16/08	MM	n/a	n/a	VG2073

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62028-5, F62028-6, F62028-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	43.5	87	71-126
541-73-1	m-Dichlorobenzene	50	52.2	104	82-126
95-50-1	o-Dichlorobenzene	50	52.1	104	83-123
106-46-7	p-Dichlorobenzene	50	53.2	106	84-124
156-60-5	trans-1,2-Dichloroethylene	50	49.3	99	77-129
10061-02-6	trans-1,3-Dichloropropene	50	53.2	106	87-131
100-41-4	Ethylbenzene	50	52.7	105	82-124
97-63-2	Ethyl methacrylate	50	41.0	82	78-118
76-13-1	Freon 113	50	46.0	92	62-147
591-78-6	2-Hexanone	250	209	84	67-130
87-68-3	Hexachlorobutadiene	50	56.5	113	77-150
110-54-3	Hexane	50	55.8	112	65-147
98-82-8	Isopropylbenzene	50	53.4	107	82-133
99-87-6	p-Isopropyltoluene	50	55.2	110	82-132
108-10-1	4-Methyl-2-pentanone	250	225	90	69-125
126-98-7	Methacrylonitrile	500	478	96	70-138
74-83-9	Methyl bromide	50	39.8	80	60-146
74-87-3	Methyl chloride	50	41.1	82	58-163
74-88-4	Methyl iodide	50	40.0	80	66-128
80-62-6	Methyl methacrylate	50	50.9	102	73-125
74-95-3	Methylene bromide	50	47.3	95	75-128
75-09-2	Methylene chloride	50	48.6	97	62-140
78-93-3	Methyl ethyl ketone	250	188	75	66-134
1634-04-4	Methyl Tert Butyl Ether	50	45.5	91	70-131
91-20-3	Naphthalene	50	49.3	99	59-143
76-01-7	Pentachloroethane	50	57.1	114	64-156
107-12-0	Propionitrile	500	450	90	73-133
103-65-1	n-Propylbenzene	50	54.1	108	78-129
100-42-5	Styrene	50	53.4	107	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	50.2	100	81-121
71-55-6	1,1,1-Trichloroethane	50	50.1	100	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	47.9	96	70-128
79-00-5	1,1,2-Trichloroethane	50	46.1	92	76-118
87-61-6	1,2,3-Trichlorobenzene	50	50.6	101	78-136
96-18-4	1,2,3-Trichloropropane	50	37.7	75	74-125
120-82-1	1,2,4-Trichlorobenzene	50	53.6	107	82-137

Blank Spike Summary

Job Number: F62028
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2073-BS	G0054874.D	1	12/16/08	MM	n/a	n/a	VG2073

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62028-5, F62028-6, F62028-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	53.9	108	77-129
108-67-8	1,3,5-Trimethylbenzene	50	55.3	111	79-129
127-18-4	Tetrachloroethylene	50	57.3	115	79-132
108-88-3	Toluene	50	52.5	105	80-123
79-01-6	Trichloroethylene	50	49.0	98	78-132
75-69-4	Trichlorofluoromethane	50	41.7	83	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	97.9	196*	74-138
75-01-4	Vinyl chloride	50	39.9	80	60-145
108-05-4	Vinyl Acetate	250	132	53	25-164
	m,p-Xylene	100	107	107	82-128
95-47-6	o-Xylene	50	53.2	106	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	80-121%
2037-26-5	Toluene-D8	103%	71-130%
460-00-4	4-Bromofluorobenzene	102%	59-148%
17060-07-0	1,2-Dichloroethane-D4	91%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62028
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61975-4MS	G0054817.D	1	12/12/08	MM	n/a	n/a	VG2071
F61975-4MSD	G0054818.D	1	12/12/08	MM	n/a	n/a	VG2071
F61975-4	G0054816.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62028-1, F62028-2, F62028-3, F62028-4

CAS No.	Compound	F61975-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		305	143	47*	102	34*	33*	61-144/29
75-05-8	Acetonitrile	ND		611	800	131	453	76	55*	59-139/30
107-02-8	Acrolein	ND		305	ND	0*	ND	0*	nc	27-156/39
107-13-1	Acrylonitrile	ND		305	271	89	201	67	30*	55-144/24
107-05-1	Allyl chloride	ND		61.1	73.5	120	65.4	109	12	41-152/24
71-43-2	Benzene	ND		61.1	66.2	108	59.0	99	12	78-130/25
100-44-7	Benzyl Chloride	ND		61.1	42.8	70*	36.2	61*	17	74-130/28
108-86-1	Bromobenzene	ND		61.1	66.2	108	56.4	94	16	78-123/30
74-97-5	Bromochloromethane	ND		61.1	53.2	87	46.1	77	14	72-122/23
75-27-4	Bromodichloromethane	ND		61.1	57.8	95	51.3	86	12	73-122/25
75-25-2	Bromoform	ND		61.1	47.7	78	46.5	78	3	70-139/26
104-51-8	n-Butylbenzene	ND		61.1	73.3	120	65.2	109	12	80-138/31
135-98-8	sec-Butylbenzene	ND		61.1	74.5	122	66.4	111	11	82-132/29
98-06-6	tert-Butylbenzene	ND		61.1	72.6	119	63.9	107	13	79-130/29
108-90-7	Chlorobenzene	ND		61.1	65.1	107	59.3	99	9	83-122/23
75-00-3	Chloroethane	ND		61.1	59.2	97	51.5	86	14	61-153/31
67-66-3	Chloroform	ND		61.1	65.2	107	58.3	97	11	79-129/27
544-10-5	1-Chlorohexane	ND		61.1	69.3	113	64.4	108	7	85-137/29
95-49-8	o-Chlorotoluene	ND		61.1	71.4	117	61.4	103	15	77-123/31
106-43-4	p-Chlorotoluene	ND		61.1	68.2	112	60.6	101	12	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		305	378	124	338	113	11	52-142/25
75-15-0	Carbon disulfide	ND		61.1	60.6	99	51.5	86	16	61-142/27
56-23-5	Carbon tetrachloride	ND		61.1	58.1	95	54.8	92	6	79-135/29
75-34-3	1,1-Dichloroethane	ND		61.1	64.8	106	58.2	97	11	77-132/26
75-35-4	1,1-Dichloroethylene	ND		61.1	60.6	99	56.4	94	7	66-132/27
563-58-6	1,1-Dichloropropene	ND		61.1	63.7	104	58.9	98	8	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		61.1	60.0	98	48.4	81	21	67-129/29
106-93-4	1,2-Dibromoethane	ND		61.1	53.8	88	49.4	83	9	77-126/24
107-06-2	1,2-Dichloroethane	ND		61.1	54.9	90	47.4	79	15	78-129/24
78-87-5	1,2-Dichloropropane	ND		61.1	60.9	100	53.4	89	13	74-127/27
142-28-9	1,3-Dichloropropane	ND		61.1	55.1	90	51.9	87	6	78-118/26
594-20-7	2,2-Dichloropropane	ND		61.1	80.3	132	63.0	105	24	80-137/28
124-48-1	Dibromochloromethane	ND		61.1	55.6	91	53.3	89	4	78-117/27
75-71-8	Dichlorodifluoromethane	ND		61.1	34.2	56	34.6	58	1	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		61.1	60.9	100	54.0	90	12	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		61.1	61.4	101	52.4	88	16	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62028
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61975-4MS	G0054817.D	1	12/12/08	MM	n/a	n/a	VG2071
F61975-4MSD	G0054818.D	1	12/12/08	MM	n/a	n/a	VG2071
F61975-4	G0054816.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62028-1, F62028-2, F62028-3, F62028-4

CAS No.	Compound	F61975-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		61.1	53.3	87	43.7	73	20	71-126/28
541-73-1	m-Dichlorobenzene	ND		61.1	66.3	109	60.2	101	10	82-126/29
95-50-1	o-Dichlorobenzene	ND		61.1	65.6	107	56.9	95	14	83-123/28
106-46-7	p-Dichlorobenzene	ND		61.1	67.1	110	59.6	100	12	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		61.1	63.5	104	55.5	93	13	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		61.1	60.2	99	56.7	95	6	87-131/27
100-41-4	Ethylbenzene	ND		61.1	68.5	112	63.3	106	8	82-124/25
97-63-2	Ethyl methacrylate	ND		61.1	17.2	28*	14.3	24*	18	78-118/30
76-13-1	Freon 113	ND		61.1	63.9	105	55.2	92	15	62-147/29
591-78-6	2-Hexanone	ND		305	228	75	188	63*	19	67-130/29
87-68-3	Hexachlorobutadiene	ND		61.1	64.5	106	57.8	97	11	77-150/36
110-54-3	Hexane	ND		61.1	62.6	103	50.9	85	21	65-147/27
98-82-8	Isopropylbenzene	ND		61.1	72.4	119	66.8	112	8	82-133/27
99-87-6	p-Isopropyltoluene	ND		61.1	74.0	121	65.5	110	12	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		305	261	85	227	76	14	69-125/24
126-98-7	Methacrylonitrile	ND		611	524	86	403	67*	26*	70-138/22
74-83-9	Methyl bromide	ND		61.1	65.2	107	55.0	92	17	60-146/31
74-87-3	Methyl chloride	ND		61.1	57.5	94	54.3	91	6	58-163/26
74-88-4	Methyl iodide	ND		61.1	48.7	80	43.7	73	11	66-128/27
80-62-6	Methyl methacrylate	ND		61.1	64.4	105	47.3	79	31*	73-125/24
74-95-3	Methylene bromide	ND		61.1	57.1	94	50.3	84	13	75-128/26
75-09-2	Methylene chloride	5.3	J	61.1	75.5	115	65.5	101	14	62-140/25
78-93-3	Methyl ethyl ketone	ND		305	164	54*	122	41*	29*	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		61.1	56.6	93	46.6	78	19	70-131/25
91-20-3	Naphthalene	ND		61.1	59.6	98	55.2	92	8	59-143/31
76-01-7	Pentachloroethane	ND		61.1	63.9	105	56.7	95	12	64-156/37
107-12-0	Propionitrile	ND		611	499	82	391	65*	24*	73-133/23
103-65-1	n-Propylbenzene	ND		61.1	70.1	115	62.4	104	12	78-129/29
100-42-5	Styrene	ND		61.1	62.1	102	60.3	101	3	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		61.1	62.5	102	57.7	96	8	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		61.1	71.0	116	60.8	102	15	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		61.1	60.5	99	51.5	86	16	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		61.1	59.0	97	54.3	91	8	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		61.1	60.1	98	54.0	90	11	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		61.1	57.4	94	44.6	75	25	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		61.1	60.3	99	58.1	97	4	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62028
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61975-4MS	G0054817.D	1	12/12/08	MM	n/a	n/a	VG2071
F61975-4MSD	G0054818.D	1	12/12/08	MM	n/a	n/a	VG2071
F61975-4	G0054816.D	1	12/12/08	MM	n/a	n/a	VG2071

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62028-1, F62028-2, F62028-3, F62028-4

CAS No.	Compound	F61975-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		61.1	72.8	119	64.0	107	13	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		61.1	74.2	122	65.1	109	13	79-129/31
127-18-4	Tetrachloroethylene	ND		61.1	67.5	111	64.5	108	5	79-132/27
108-88-3	Toluene	ND		61.1	63.9	105	61.2	102	4	80-123/26
79-01-6	Trichloroethylene	ND		61.1	64.0	105	56.4	94	13	78-132/28
75-69-4	Trichlorofluoromethane	ND		61.1	66.4	109	55.1	92	19	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		61.1	115	188*	92.9	155*	21	74-138/30
75-01-4	Vinyl chloride	ND		61.1	58.2	95	53.2	89	9	60-145/29
108-05-4	Vinyl Acetate	ND		305	19.3	6*	ND	0*	200*	25-164/35
	m,p-Xylene	ND		122	137	112	128	107	7	82-128/25
95-47-6	o-Xylene	ND		61.1	65.9	108	61.3	102	7	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F61975-4	Limits
1868-53-7	Dibromofluoromethane	95%	95%	95%	80-121%
2037-26-5	Toluene-D8	99%	105%	94%	71-130%
460-00-4	4-Bromofluorobenzene	97%	97%	93%	59-148%
17060-07-0	1,2-Dichloroethane-D4	90%	92%	98%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62028
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62034-1MS	G0054879.D	1	12/16/08	MM	n/a	n/a	VG2073
F62034-1MSD	G0054880.D	1	12/16/08	MM	n/a	n/a	VG2073
F62034-1	G0054878.D	1	12/16/08	MM	n/a	n/a	VG2073

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62028-5, F62028-6, F62028-7

CAS No.	Compound	F62034-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		256	102	40*	98.2	38*	4	61-144/29
75-05-8	Acetonitrile	ND		512	383	75	393	76	3	59-139/30
107-02-8	Acrolein	ND		256	ND	0*	ND	0*	nc	27-156/39
107-13-1	Acrylonitrile	ND		256	222	87	213	83	4	55-144/24
107-05-1	Allyl chloride	ND		51.2	56.1	110	60.5	117	8	41-152/24
71-43-2	Benzene	ND		51.2	55.3	108	56.0	109	1	78-130/25
100-44-7	Benzyl Chloride	ND		51.2	30.7	60*	28.9	56*	6	74-130/28
108-86-1	Bromobenzene	ND		51.2	51.7	101	53.3	103	3	78-123/30
74-97-5	Bromochloromethane	ND		51.2	44.8	88	44.1	85	2	72-122/23
75-27-4	Bromodichloromethane	ND		51.2	48.1	94	47.5	92	1	73-122/25
75-25-2	Bromoform	ND		51.2	38.5	75	41.7	81	8	70-139/26
104-51-8	n-Butylbenzene	ND		51.2	51.2	100	53.3	103	4	80-138/31
135-98-8	sec-Butylbenzene	ND		51.2	53.0	104	55.2	107	4	82-132/29
98-06-6	tert-Butylbenzene	ND		51.2	54.1	106	54.8	106	1	79-130/29
108-90-7	Chlorobenzene	ND		51.2	50.8	99	54.0	105	6	83-122/23
75-00-3	Chloroethane	ND		51.2	47.0	92	46.1	89	2	61-153/31
67-66-3	Chloroform	ND		51.2	53.3	104	53.2	103	0	79-129/27
544-10-5	1-Chlorohexane	ND		51.2	52.9	103	54.0	105	2	85-137/29
95-49-8	o-Chlorotoluene	ND		51.2	53.4	104	54.1	105	1	77-123/31
106-43-4	p-Chlorotoluene	ND		51.2	52.9	103	54.7	106	3	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		256	302	118	309	120	2	52-142/25
75-15-0	Carbon disulfide	1.5	J	51.2	48.1	91	48.2	90	0	61-142/27
56-23-5	Carbon tetrachloride	ND		51.2	58.0	113	60.8	118	5	79-135/29
75-34-3	1,1-Dichloroethane	ND		51.2	53.4	104	55.0	107	3	77-132/26
75-35-4	1,1-Dichloroethylene	ND		51.2	55.9	109	54.4	105	3	66-132/27
563-58-6	1,1-Dichloropropene	ND		51.2	53.8	105	55.0	107	2	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		51.2	37.8	74	39.6	77	5	67-129/29
106-93-4	1,2-Dibromoethane	ND		51.2	44.0	86	45.3	88	3	77-126/24
107-06-2	1,2-Dichloroethane	ND		51.2	48.2	94	47.8	93	1	78-129/24
78-87-5	1,2-Dichloropropane	ND		51.2	49.8	97	50.7	98	2	74-127/27
142-28-9	1,3-Dichloropropane	ND		51.2	44.6	87	47.4	92	6	78-118/26
594-20-7	2,2-Dichloropropane	ND		51.2	47.2	92	52.6	102	11	80-137/28
124-48-1	Dibromochloromethane	ND		51.2	45.4	89	46.9	91	3	78-117/27
75-71-8	Dichlorodifluoromethane	ND		51.2	31.8	62	31.1	60	2	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		51.2	49.9	98	50.1	97	0	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		51.2	49.3	96	50.4	98	2	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62028
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62034-1MS	G0054879.D	1	12/16/08	MM	n/a	n/a	VG2073
F62034-1MSD	G0054880.D	1	12/16/08	MM	n/a	n/a	VG2073
F62034-1	G0054878.D	1	12/16/08	MM	n/a	n/a	VG2073

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62028-5, F62028-6, F62028-7

CAS No.	Compound	F62034-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		51.2	43.0	84	43.6	84	1	71-126/28
541-73-1	m-Dichlorobenzene	ND		51.2	51.8	101	52.2	101	1	82-126/29
95-50-1	o-Dichlorobenzene	ND		51.2	49.0	96	51.5	100	5	83-123/28
106-46-7	p-Dichlorobenzene	ND		51.2	50.9	99	52.1	101	2	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		51.2	54.4	106	54.7	106	1	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		51.2	47.3	92	52.0	101	9	87-131/27
100-41-4	Ethylbenzene	ND		51.2	52.1	102	55.3	107	6	82-124/25
97-63-2	Ethyl methacrylate	ND		51.2	ND	0*	ND	0*	nc	78-118/30
76-13-1	Freon 113	ND		51.2	51.4	100	51.2	99	0	62-147/29
591-78-6	2-Hexanone	ND		256	173	68	173	67	0	67-130/29
87-68-3	Hexachlorobutadiene	ND		51.2	49.9	98	52.5	102	5	77-150/36
110-54-3	Hexane	ND		51.2	44.3	87	47.4	92	7	65-147/27
98-82-8	Isopropylbenzene	ND		51.2	55.0	107	56.8	110	3	82-133/27
99-87-6	p-Isopropyltoluene	ND		51.2	52.9	103	56.3	109	6	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		256	199	78	214	83	7	69-125/24
126-98-7	Methacrylonitrile	ND		512	442	86	448	87	1	70-138/22
74-83-9	Methyl bromide	ND		51.2	45.7	89	47.7	92	4	60-146/31
74-87-3	Methyl chloride	ND		51.2	44.7	87	44.4	86	1	58-163/26
74-88-4	Methyl iodide	ND		51.2	42.5	83	43.7	85	3	66-128/27
80-62-6	Methyl methacrylate	ND		51.2	44.6	87	43.3	84	3	73-125/24
74-95-3	Methylene bromide	ND		51.2	48.0	94	48.0	93	0	75-128/26
75-09-2	Methylene chloride	ND		51.2	55.2	108	58.5	113	6	62-140/25
78-93-3	Methyl ethyl ketone	ND		256	130	51*	126	49*	3	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		51.2	42.7	83	44.9	87	5	70-131/25
91-20-3	Naphthalene	ND		51.2	43.6	85	45.4	88	4	59-143/31
76-01-7	Pentachloroethane	ND		51.2	55.9	109	56.1	109	0	64-156/37
107-12-0	Propionitrile	ND		512	435	85	417	81	4	73-133/23
103-65-1	n-Propylbenzene	ND		51.2	53.5	105	54.9	106	3	78-129/29
100-42-5	Styrene	ND		51.2	50.4	99	53.7	104	6	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		51.2	48.5	95	52.6	102	8	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		51.2	55.0	107	57.6	112	5	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		51.2	43.0	84	44.2	86	3	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		51.2	43.7	85	45.3	88	4	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		51.2	46.3	90	46.9	91	1	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		51.2	37.3	73*	36.3	70*	3	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		51.2	49.0	96	50.3	97	3	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62028
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62034-1MS	G0054879.D	1	12/16/08	MM	n/a	n/a	VG2073
F62034-1MSD	G0054880.D	1	12/16/08	MM	n/a	n/a	VG2073
F62034-1	G0054878.D	1	12/16/08	MM	n/a	n/a	VG2073

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62028-5, F62028-6, F62028-7

CAS No.	Compound	F62034-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		51.2	52.8	103	55.3	107	5	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		51.2	55.5	108	54.5	106	2	79-129/31
127-18-4	Tetrachloroethylene	ND		51.2	57.5	112	57.9	112	1	79-132/27
108-88-3	Toluene	ND		51.2	52.7	103	54.2	105	3	80-123/26
79-01-6	Trichloroethylene	ND		51.2	54.2	106	54.1	105	0	78-132/28
75-69-4	Trichlorofluoromethane	ND		51.2	50.0	98	48.0	93	4	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		51.2	90.9	178*	92.6	179*	2	74-138/30
75-01-4	Vinyl chloride	ND		51.2	46.3	90	44.5	86	4	60-145/29
108-05-4	Vinyl Acetate	ND		256	13.5	5*	14.3	6*	6	25-164/35
	m,p-Xylene	ND		102	107	105	113	109	5	82-128/25
95-47-6	o-Xylene	ND		51.2	51.9	101	54.0	105	4	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F62034-1	Limits
1868-53-7	Dibromofluoromethane	101%	98%	99%	80-121%
2037-26-5	Toluene-D8	101%	101%	93%	71-130%
460-00-4	4-Bromofluorobenzene	101%	100%	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	90%	97%	103%	77-123%

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F62028
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1966-MB	QR045212.D	1	12/15/08	AH	n/a	n/a	GQR1966

The QC reported here applies to the following samples: **Method:** SW846 8015

F62028-1, F62028-2, F62028-3, F62028-4

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	91%	56-136%
98-08-8	aaa-Trifluorotoluene	83%	61-121%

Method Blank Summary

Job Number: F62028
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1967-MB	QR045241.D	1	12/16/08	AH	n/a	n/a	GQR1967

The QC reported here applies to the following samples: **Method:** SW846 8015

F62028-5, F62028-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	77%	56-136%
98-08-8	aaa-Trifluorotoluene	76%	61-121%

Blank Spike Summary

Job Number: F62028
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1966-BS	QR045211.D	1	12/15/08	AH	n/a	n/a	GQR1966

The QC reported here applies to the following samples: **Method:** SW846 8015

F62028-1, F62028-2, F62028-3, F62028-4

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	20.6	103	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	108%	56-136%
98-08-8	aaa-Trifluorotoluene	107%	61-121%

Blank Spike Summary

Job Number: F62028
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1967-BS	QR045240.D	1	12/16/08	AH	n/a	n/a	GQR1967

The QC reported here applies to the following samples: **Method:** SW846 8015

F62028-5, F62028-6

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	19.0	95	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	86%	56-136%
98-08-8	aaa-Trifluorotoluene	89%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62028
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62230-1MS	QR045234.D	1	12/15/08	AH	n/a	n/a	GQR1966
F62230-1MSD	QR045235.D	1	12/15/08	AH	n/a	n/a	GQR1966
F62230-1 [a]	QR045213.D	1	12/15/08	AH	n/a	n/a	GQR1966

The QC reported here applies to the following samples: **Method:** SW846 8015

F62028-1, F62028-2, F62028-3, F62028-4

CAS No.	Compound	F62230-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		31.8	30.5	96	29.4	92	4	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F62230-1	Limits
460-00-4	4-Bromofluorobenzene	86%	83%	71%	56-136%
98-08-8	aaa-Trifluorotoluene	91%	91%	79%	61-121%

(a) Sample was received in a bulk container and preserved within 48 hours of sampling.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62028
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62033-1MS	QR045258.D	1	12/16/08	AH	n/a	n/a	GQR1967
F62033-1MSD	QR045259.D	1	12/16/08	AH	n/a	n/a	GQR1967
F62033-1	QR045245.D	1	12/16/08	AH	n/a	n/a	GQR1967

The QC reported here applies to the following samples: **Method:** SW846 8015

F62028-5, F62028-6

CAS No.	Compound	F62033-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		23.7	20.9	88	21.3	90	2	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F62033-1	Limits
460-00-4	4-Bromofluorobenzene	85%	87%	73%	56-136%
98-08-8	aaa-Trifluorotoluene	87%	88%	75%	61-121%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F62028
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27393-MB	LL24569.D	1	12/17/08	NY	12/09/08	OP27393	GLL916

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62028-1, F62028-2, F62028-3, F62028-4, F62028-5, F62028-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	86%	49-108%

Method Blank Summary

Job Number: F62028
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27393-MB	LL24600.D	1	12/18/08	NY	12/09/08	OP27393	GLL917

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62028-1, F62028-2, F62028-3, F62028-4, F62028-5, F62028-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	86%	49-108%

Blank Spike Summary

Job Number: F62028
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27393-BS	LL24568.D	1	12/17/08	NY	12/09/08	OP27393	GLL916

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62028-1, F62028-2, F62028-3, F62028-4, F62028-5, F62028-6

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	32.9	99	64-102
	TPH (> C22-C36)	33.3	36.2	109	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	89%	49-108%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62028
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27393-MS	LL24594.D	1	12/18/08	NY	12/09/08	OP27393	GLL916
OP27393-MSD	LL24595.D	1	12/18/08	NY	12/09/08	OP27393	GLL916
F62034-4	LL24593.D	1	12/18/08	NY	12/09/08	OP27393	GLL916

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62028-1, F62028-2, F62028-3, F62028-4, F62028-5, F62028-6

CAS No.	Compound	F62034-4 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		37.2	33.7	91	35.8	97	6	64-102/32
	TPH (> C22-C36)	ND		37.2	39.5	106	42.3	114	7	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F62034-4	Limits
84-15-1	o-Terphenyl	85%	90%	82%	49-108%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/29/08

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F62033

Sampling Date: 12/05/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **49**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Note: This report is password protected to disallow document modification or assembly.
A password to unlock this report is available from your client service representative.

Sections: 1 2 3 4 5 6 7

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F62033-1: SS61-SB48-17 7
3.2: F62033-2: SS61-SB48-25 12
3.3: F62033-3: SS61-SB48-40 17
3.4: F62033-4: TRIP BLANK 22
Section 4: Misc. Forms **25**
4.1: Chain of Custody 26
Section 5: GC/MS Volatiles - QC Data Summaries **28**
5.1: Method Blank Summary 29
5.2: Blank Spike Summary 32
5.3: Matrix Spike/Matrix Spike Duplicate Summary 35
Section 6: GC Volatiles - QC Data Summaries **38**
6.1: Method Blank Summary 39
6.2: Blank Spike Summary 41
6.3: Matrix Spike/Matrix Spike Duplicate Summary 43
Section 7: GC Semi-volatiles - QC Data Summaries **45**
7.1: Method Blank Summary 46
7.2: Blank Spike Summary 48
7.3: Matrix Spike/Matrix Spike Duplicate Summary 49

Sample Summary

North Wind, Inc

Job No: F62033

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F62033-1	12/05/08	11:40	DMGK	12/06/08	SO	Soil	SS61-SB48-17
F62033-2	12/05/08	11:55	DMGK	12/06/08	SO	Soil	SS61-SB48-25
F62033-3	12/05/08	12:15	DMGK	12/06/08	SO	Soil	SS61-SB48-40
F62033-4	12/05/08	00:00	DMGK	12/06/08	SO	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F62033

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/23/2008 1:25:49

3 Samples, 1 Trip Blank were collected on 12/05/2008 and were received at Accutest on 12/06/2008 properly preserved, at 2.4 Deg. C and intact. These Samples received an Accutest job number of F62033. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2074

All samples were analyzed within the recommended method holding time.

Sample(s) F62060-1MS, F62060-1MSD were used as the QC samples indicated.

Sample(s) F62033-3 have compound(s) reported with a "B" qualifier, indicating analyte is found in the associated method blank.

Blank Spike Recovery(s) for 1,2,3-Trichloropropane, Acrylonitrile, Bromoform, Ethyl methacrylate, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for Acetone, Acrolein, Acrylonitrile, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for Acetone, Acrolein, Acrylonitrile, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

RPD(s) for MSD for 2-Chloroethyl vinyl ether, Chloroethane, cis-1,3-Dichloropropene, Dichlorodifluoromethane, Methyl bromide, Methyl chloride, Vinyl Acetate, Vinyl chloride are outside control limits for sample F62060-1MSD. Probable cause due to sample homogeneity.

F62033-3 for Methylene chloride: Suspected laboratory contaminant.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GQR1967

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F62033-1MS, F62033-1MSD were used as the QC samples indicated.

Matrix: SO **Batch ID:** GQR1969

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F62034-1MS, F62034-1MSD were used as the QC samples indicated.

Extractables by GC By Method SW846 8015 M

Matrix: SO **Batch ID:** OP27393

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F62034-4MS, F62034-4MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Wet Chemistry By Method SM19 2540B M

Matrix: SO **Batch ID:** GN33098

Sample(s) F61993-1DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision,

accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____

Svetlana Izosimova, QAO (signature on file)

Date: December 24, 2008

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-SB48-17		
Lab Sample ID:	F62033-1	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054913.D	1	12/17/08	MM	12/06/08 11:09	n/a	VG2074
Run #2							

	Initial Weight
Run #1	5.38 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	53	27	ug/kg	
75-05-8	Acetonitrile	ND	53	17	ug/kg	
107-02-8	Acrolein	ND	27	10	ug/kg	
107-13-1	Acrylonitrile	ND	27	7.4	ug/kg	
107-05-1	Allyl chloride	ND	27	5.3	ug/kg	
71-43-2	Benzene	ND	5.3	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.3	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.3	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.3	1.8	ug/kg	
75-27-4	Bromodichloromethane	ND	5.3	1.3	ug/kg	
75-25-2	Bromoform	ND	5.3	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	5.3	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.3	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.3	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.3	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.3	2.1	ug/kg	
67-66-3	Chloroform	ND	5.3	1.8	ug/kg	
544-10-5	1-Chlorohexane	ND	5.3	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.3	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.3	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	27	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.3	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.3	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.3	2.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.3	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.3	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.3	2.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.3	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.3	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.3	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.3	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.3	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB48-17		
Lab Sample ID:	F62033-1	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.3	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.3	2.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.3	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.3	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	27	5.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.3	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.3	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.3	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.3	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.3	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.3	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	27	5.3	ug/kg	
76-13-1	Freon 113	ND	5.3	2.8	ug/kg	
591-78-6	2-Hexanone	ND	27	5.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.3	1.3	ug/kg	
110-54-3	Hexane	ND	5.3	2.6	ug/kg	
98-82-8	Isopropylbenzene	ND	5.3	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.3	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	27	6.8	ug/kg	
126-98-7	Methacrylonitrile	ND	27	5.9	ug/kg	
74-83-9	Methyl bromide	ND	5.3	2.4	ug/kg	
74-87-3	Methyl chloride	ND	5.3	2.6	ug/kg	
74-88-4	Methyl iodide	ND	11	2.1	ug/kg	
80-62-6	Methyl methacrylate	ND	27	5.3	ug/kg	
74-95-3	Methylene bromide	ND	5.3	1.6	ug/kg	
75-09-2	Methylene chloride	ND	11	5.3	ug/kg	
78-93-3	Methyl ethyl ketone	ND	27	8.9	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.3	1.6	ug/kg	
91-20-3	Naphthalene	ND	5.3	2.1	ug/kg	
76-01-7	Pentachloroethane	ND	27	5.3	ug/kg	
107-12-0	Propionitrile	ND	53	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.3	1.3	ug/kg	
100-42-5	Styrene	ND	5.3	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.3	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.3	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.3	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.3	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.3	2.1	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.3	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.3	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB48-17		
Lab Sample ID:	F62033-1	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.3	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.3	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.3	1.3	ug/kg	
108-88-3	Toluene	ND	5.3	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.3	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.3	2.1	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	27	5.3	ug/kg	
75-01-4	Vinyl chloride	ND	5.3	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	27	13	ug/kg	
	m,p-Xylene	ND	11	2.0	ug/kg	
95-47-6	o-Xylene	ND	5.3	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-121%
2037-26-5	Toluene-D8	99%		71-130%
460-00-4	4-Bromofluorobenzene	95%		59-148%
17060-07-0	1,2-Dichloroethane-D4	103%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB48-17		
Lab Sample ID:	F62033-1	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	86.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045245.D	1	12/16/08	AH	12/06/08 11:09	n/a	GQR1967
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.55 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.9	3.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	73%		56-136%
98-08-8	aaa-Trifluorotoluene	75%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB48-17		
Lab Sample ID:	F62033-1	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	86.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24587.D	1	12/17/08	NY	12/09/08	OP27393	GLL916
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.6	5.7	mg/kg	
	TPH (> C22-C36)	ND	9.6	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	76%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB48-25		
Lab Sample ID:	F62033-2	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054914.D	1	12/17/08	MM	12/06/08 11:09	n/a	VG2074
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.46 g	5.0 ml	10.0 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	29000	15000	ug/kg	
75-05-8	Acetonitrile	ND	29000	9400	ug/kg	
107-02-8	Acrolein	ND	15000	5800	ug/kg	
107-13-1	Acrylonitrile	ND	15000	4100	ug/kg	
107-05-1	Allyl chloride	ND	15000	2900	ug/kg	
71-43-2	Benzene	31100	2900	590	ug/kg	
100-44-7	Benzyl Chloride	ND	2900	650	ug/kg	
108-86-1	Bromobenzene	ND	2900	590	ug/kg	
74-97-5	Bromochloromethane	ND	2900	1000	ug/kg	
75-27-4	Bromodichloromethane	ND	2900	700	ug/kg	
75-25-2	Bromoform	ND	2900	880	ug/kg	
104-51-8	n-Butylbenzene	ND	2900	820	ug/kg	
135-98-8	sec-Butylbenzene	1340	2900	650	ug/kg	J
98-06-6	tert-Butylbenzene	ND	2900	650	ug/kg	
108-90-7	Chlorobenzene	ND	2900	590	ug/kg	
75-00-3	Chloroethane	ND	2900	1200	ug/kg	
67-66-3	Chloroform	ND	2900	1000	ug/kg	
544-10-5	1-Chlorohexane	ND	2900	760	ug/kg	
95-49-8	o-Chlorotoluene	ND	2900	590	ug/kg	
106-43-4	p-Chlorotoluene	ND	2900	590	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	15000	5900	ug/kg	
75-15-0	Carbon disulfide	ND	2900	650	ug/kg	
56-23-5	Carbon tetrachloride	ND	2900	820	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2900	1200	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	2900	760	ug/kg	
563-58-6	1,1-Dichloropropene	ND	2900	820	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2900	1400	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2900	590	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2900	650	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2900	820	ug/kg	
142-28-9	1,3-Dichloropropane	ND	2900	590	ug/kg	
594-20-7	2,2-Dichloropropane	ND	2900	1200	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB48-25		
Lab Sample ID:	F62033-2	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	2900	590	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2900	1200	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	2900	940	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2900	760	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	15000	2900	ug/kg	
541-73-1	m-Dichlorobenzene	ND	2900	590	ug/kg	
95-50-1	o-Dichlorobenzene	ND	2900	590	ug/kg	
106-46-7	p-Dichlorobenzene	ND	2900	590	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	2900	700	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2900	590	ug/kg	
100-41-4	Ethylbenzene	13600	2900	590	ug/kg	
97-63-2	Ethyl methacrylate	ND	15000	2900	ug/kg	
76-13-1	Freon 113	ND	2900	1500	ug/kg	
591-78-6	2-Hexanone	ND	15000	2900	ug/kg	
87-68-3	Hexachlorobutadiene	ND	2900	700	ug/kg	
110-54-3	Hexane	ND	2900	1400	ug/kg	
98-82-8	Isopropylbenzene	61700	2900	650	ug/kg	
99-87-6	p-Isopropyltoluene	ND	2900	650	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	15000	3800	ug/kg	
126-98-7	Methacrylonitrile	ND	15000	3200	ug/kg	
74-83-9	Methyl bromide	ND	2900	1300	ug/kg	
74-87-3	Methyl chloride	ND	2900	1400	ug/kg	
74-88-4	Methyl iodide	ND	5900	1200	ug/kg	
80-62-6	Methyl methacrylate	ND	15000	2900	ug/kg	
74-95-3	Methylene bromide	ND	2900	880	ug/kg	
75-09-2	Methylene chloride	ND	5900	2900	ug/kg	
78-93-3	Methyl ethyl ketone	ND	15000	4900	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2900	880	ug/kg	
91-20-3	Naphthalene	ND	2900	1200	ug/kg	
76-01-7	Pentachloroethane	ND	15000	2900	ug/kg	
107-12-0	Propionitrile	ND	29000	7000	ug/kg	
103-65-1	n-Propylbenzene	2780	2900	700	ug/kg	J
100-42-5	Styrene	ND	2900	590	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2900	590	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2900	650	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2900	1100	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2900	590	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	2900	1200	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	2900	1100	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	2900	1200	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB48-25		
Lab Sample ID:	F62033-2	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	3820	2900	590	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	2900	590	ug/kg	
127-18-4	Tetrachloroethylene	ND	2900	700	ug/kg	
108-88-3	Toluene	ND	2900	590	ug/kg	
79-01-6	Trichloroethylene	ND	2900	700	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2900	1200	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	15000	2900	ug/kg	
75-01-4	Vinyl chloride	ND	2900	1200	ug/kg	
108-05-4	Vinyl Acetate	ND	15000	7000	ug/kg	
	m,p-Xylene	ND	5900	1100	ug/kg	
95-47-6	o-Xylene	ND	2900	590	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-121%
2037-26-5	Toluene-D8	95%		71-130%
460-00-4	4-Bromofluorobenzene	97%		59-148%
17060-07-0	1,2-Dichloroethane-D4	100%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB48-25		
Lab Sample ID:	F62033-2	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	88.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045313.D	1	12/17/08	AH	12/06/08 11:09	n/a	GQR1969
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.46 g	5.0 ml	10.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	142	59	29	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	79%		56-136%
98-08-8	aaa-Trifluorotoluene	86%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB48-25		
Lab Sample ID:	F62033-2	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	88.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24588.D	1	12/17/08	NY	12/09/08	OP27393	GLL916
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.3	5.6	mg/kg	
	TPH (> C22-C36)	ND	9.3	5.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	77%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB48-40		
Lab Sample ID:	F62033-3	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	79.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054915.D	1	12/17/08	MM	12/06/08 11:40	n/a	VG2074
Run #2							

	Initial Weight
Run #1	5.61 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	35.1	56	28	ug/kg	J
75-05-8	Acetonitrile	ND	56	18	ug/kg	
107-02-8	Acrolein	ND	28	11	ug/kg	
107-13-1	Acrylonitrile	ND	28	7.8	ug/kg	
107-05-1	Allyl chloride	ND	28	5.6	ug/kg	
71-43-2	Benzene	187	5.6	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.6	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.6	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.6	1.9	ug/kg	
75-27-4	Bromodichloromethane	ND	5.6	1.4	ug/kg	
75-25-2	Bromoform	ND	5.6	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	5.6	1.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.6	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.6	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.6	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.6	2.3	ug/kg	
67-66-3	Chloroform	ND	5.6	1.9	ug/kg	
544-10-5	1-Chlorohexane	ND	5.6	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.6	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.6	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	28	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.6	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.6	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.6	2.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.6	1.5	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.6	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.6	2.7	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.6	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	7.7	5.6	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.6	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.6	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.6	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB48-40		
Lab Sample ID:	F62033-3	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	79.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.6	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.6	2.3	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.6	1.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.6	1.5	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	28	5.6	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.6	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.6	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.6	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.6	1.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.6	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.6	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	28	5.6	ug/kg	
76-13-1	Freon 113	ND	5.6	2.9	ug/kg	
591-78-6	2-Hexanone	ND	28	5.6	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.6	1.4	ug/kg	
110-54-3	Hexane	ND	5.6	2.7	ug/kg	
98-82-8	Isopropylbenzene	47.0	5.6	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.6	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	28	7.2	ug/kg	
126-98-7	Methacrylonitrile	ND	28	6.2	ug/kg	
74-83-9	Methyl bromide	ND	5.6	2.5	ug/kg	
74-87-3	Methyl chloride	ND	5.6	2.7	ug/kg	
74-88-4	Methyl iodide	ND	11	2.3	ug/kg	
80-62-6	Methyl methacrylate	ND	28	5.6	ug/kg	
74-95-3	Methylene bromide	ND	5.6	1.7	ug/kg	
75-09-2	Methylene chloride [a]	6.3	11	5.6	ug/kg	JB
78-93-3	Methyl ethyl ketone	ND	28	9.4	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.6	1.7	ug/kg	
91-20-3	Naphthalene	ND	5.6	2.3	ug/kg	
76-01-7	Pentachloroethane	ND	28	5.6	ug/kg	
107-12-0	Propionitrile	ND	56	14	ug/kg	
103-65-1	n-Propylbenzene	ND	5.6	1.4	ug/kg	
100-42-5	Styrene	ND	5.6	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.6	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.6	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.6	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.6	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.6	2.3	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.6	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB48-40		
Lab Sample ID:	F62033-3	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	79.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.6	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.6	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.6	1.4	ug/kg	
108-88-3	Toluene	ND	5.6	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.6	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.6	2.3	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	28	5.6	ug/kg	
75-01-4	Vinyl chloride	ND	5.6	2.3	ug/kg	
108-05-4	Vinyl Acetate	ND	28	14	ug/kg	
	m,p-Xylene	ND	11	2.1	ug/kg	
95-47-6	o-Xylene	ND	5.6	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-121%
2037-26-5	Toluene-D8	95%		71-130%
460-00-4	4-Bromofluorobenzene	95%		59-148%
17060-07-0	1,2-Dichloroethane-D4	106%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB48-40		
Lab Sample ID:	F62033-3	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	79.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045247.D	1	12/16/08	AH	12/06/08 11:40	n/a	GQR1967
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.50 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.1	3.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	73%		56-136%
98-08-8	aaa-Trifluorotoluene	74%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB48-40		
Lab Sample ID:	F62033-3	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	79.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24589.D	1	12/17/08	NY	12/09/08	OP27393	GLL916
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.2	mg/kg	
	TPH (> C22-C36)	ND	10	6.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	91%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F62033-4	**Date Sampled:**	12/05/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/06/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054916.D	1	12/17/08	MM	n/a	n/a	VG2074
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F62033-4	**Date Sampled:**	12/05/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/06/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F62033-4	**Date Sampled:**	12/05/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/06/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-121%
2037-26-5	Toluene-D8	96%		71-130%
460-00-4	4-Bromofluorobenzene	101%		59-148%
17060-07-0	1,2-Dichloroethane-D4	99%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

F62033

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

Page 1 of 1

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number [1]: 12-05-2008-4

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Dustin McNeil / B. Kinsman

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)						Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
1	SS61-SB48-17	SS61-SB48	05-Dec-2008	1140	15 - 17	N	01	SO	5	X	X	X										4
2	SS61-SB48-25	SS61-SB48	05-Dec-2008	1155	23 - 25	N	01	SO	5	X	X	X										4
3	SS61-SB48-40	SS61-SB48	05-Dec-2008	1215	38 - 40	N	01	SO	5	X	X	X										4
4	Trip Blank				-	TB		WQ	3	X												4
					-																	
					-																	
					-																	
					-																	
					-																	
					-																	
					-																	

Sample Analysis Requested [5] | Quality Assurance Samples [6]

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time		Received by (Signed)	Date	Time
1.		12/5/08	1400	1.		12.6.08	0930
2.				2.			
3.				3.			

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: _____ Shipped No.: _____

Method of Shipment: _____ Airbill Number: _____

Analytical Lab: Accutest Laboratories Delivery Location: _____

Lab Recipient: _____ Delivery Date/Time: _____

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

2.4

F62033: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F62033 CLIENT: Bhate PROJECT: SS-61

DATE/TIME RECEIVED: 12.6.08 09:30 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.4

METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8668 3474 8753

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [X] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACROBUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOURS
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS

MISC. INFORMATION

NUMBER OF ENCORES ? 12

NUMBER OF 5035 FIELD KITS ? 7B

NUMBER OF LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE: ET 12/6/08 TECHNICIAN SIGNATURE/DATE: 12-6-08

ASBD 12/17/07

F62033: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F62033
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2074-MB	G0054907.D	1	12/17/08	MM	n/a	n/a	VG2074

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62033-1, F62033-2, F62033-3, F62033-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F62033
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2074-MB	G0054907.D	1	12/17/08	MM	n/a	n/a	VG2074

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62033-1, F62033-2, F62033-3, F62033-4

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	9.5	10	5.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F62033
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2074-MB	G0054907.D	1	12/17/08	MM	n/a	n/a	VG2074

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62033-1, F62033-2, F62033-3, F62033-4

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	80-121%
2037-26-5	Toluene-D8	93%	71-130%
460-00-4	4-Bromofluorobenzene	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	107%	77-123%

Blank Spike Summary

Job Number: F62033
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2074-BS	G0054906.D	1	12/17/08	MM	n/a	n/a	VG2074

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62033-1, F62033-2, F62033-3, F62033-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	157	63	61-144
75-05-8	Acetonitrile	500	450	90	59-139
107-02-8	Acrolein	250	99.1	40	27-156
107-13-1	Acrylonitrile	250	436	174*	55-144
107-05-1	Allyl chloride	50	51.2	102	41-152
71-43-2	Benzene	50	46.7	93	78-130
100-44-7	Benzyl Chloride	50	38.2	76	74-130
108-86-1	Bromobenzene	50	46.1	92	78-123
74-97-5	Bromochloromethane	50	38.6	77	72-122
75-27-4	Bromodichloromethane	50	42.1	84	73-122
75-25-2	Bromoform	50	34.0	68*	70-139
104-51-8	n-Butylbenzene	50	50.7	101	80-138
135-98-8	sec-Butylbenzene	50	50.2	100	82-132
98-06-6	tert-Butylbenzene	50	48.1	96	79-130
108-90-7	Chlorobenzene	50	47.0	94	83-122
75-00-3	Chloroethane	50	41.2	82	61-153
67-66-3	Chloroform	50	46.1	92	79-129
544-10-5	1-Chlorohexane	50	49.2	98	85-137
95-49-8	o-Chlorotoluene	50	47.3	95	77-123
106-43-4	p-Chlorotoluene	50	48.3	97	78-129
110-75-8	2-Chloroethyl vinyl ether	250	203	81	52-142
75-15-0	Carbon disulfide	50	42.2	84	61-142
56-23-5	Carbon tetrachloride	50	49.2	98	79-135
75-34-3	1,1-Dichloroethane	50	45.8	92	77-132
75-35-4	1,1-Dichloroethylene	50	44.0	88	66-132
563-58-6	1,1-Dichloropropene	50	44.2	88	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	35.0	70	67-129
106-93-4	1,2-Dibromoethane	50	38.8	78	77-126
107-06-2	1,2-Dichloroethane	50	40.7	81	78-129
78-87-5	1,2-Dichloropropane	50	42.1	84	74-127
142-28-9	1,3-Dichloropropane	50	39.4	79	78-118
594-20-7	2,2-Dichloropropane	50	49.2	98	80-137
124-48-1	Dibromochloromethane	50	40.7	81	78-117
75-71-8	Dichlorodifluoromethane	50	26.9	54	35-162
156-59-2	cis-1,2-Dichloroethylene	50	43.3	87	74-123
10061-01-5	cis-1,3-Dichloropropene	50	45.0	90	79-130

Blank Spike Summary

Job Number: F62033
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2074-BS	G0054906.D	1	12/17/08	MM	n/a	n/a	VG2074

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62033-1, F62033-2, F62033-3, F62033-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	37.2	74	71-126
541-73-1	m-Dichlorobenzene	50	46.8	94	82-126
95-50-1	o-Dichlorobenzene	50	45.8	92	83-123
106-46-7	p-Dichlorobenzene	50	48.7	97	84-124
156-60-5	trans-1,2-Dichloroethylene	50	43.4	87	77-129
10061-02-6	trans-1,3-Dichloropropene	50	45.7	91	87-131
100-41-4	Ethylbenzene	50	49.1	98	82-124
97-63-2	Ethyl methacrylate	50	31.6	63*	78-118
76-13-1	Freon 113	50	46.5	93	62-147
591-78-6	2-Hexanone	250	175	70	67-130
87-68-3	Hexachlorobutadiene	50	53.8	108	77-150
110-54-3	Hexane	50	51.2	102	65-147
98-82-8	Isopropylbenzene	50	50.6	101	82-133
99-87-6	p-Isopropyltoluene	50	50.6	101	82-132
108-10-1	4-Methyl-2-pentanone	250	180	72	69-125
126-98-7	Methacrylonitrile	500	374	75	70-138
74-83-9	Methyl bromide	50	39.0	78	60-146
74-87-3	Methyl chloride	50	39.3	79	58-163
74-88-4	Methyl iodide	50	38.3	77	66-128
80-62-6	Methyl methacrylate	50	36.4	73	73-125
74-95-3	Methylene bromide	50	39.7	79	75-128
75-09-2	Methylene chloride	50	46.2	92	62-140
78-93-3	Methyl ethyl ketone	250	164	66	66-134
1634-04-4	Methyl Tert Butyl Ether	50	39.6	79	70-131
91-20-3	Naphthalene	50	39.0	78	59-143
76-01-7	Pentachloroethane	50	50.5	101	64-156
107-12-0	Propionitrile	500	367	73	73-133
103-65-1	n-Propylbenzene	50	49.2	98	78-129
100-42-5	Styrene	50	46.9	94	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	46.7	93	81-121
71-55-6	1,1,1-Trichloroethane	50	45.8	92	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	38.8	78	70-128
79-00-5	1,1,2-Trichloroethane	50	38.9	78	76-118
87-61-6	1,2,3-Trichlorobenzene	50	44.1	88	78-136
96-18-4	1,2,3-Trichloropropane	50	32.1	64*	74-125
120-82-1	1,2,4-Trichlorobenzene	50	48.7	97	82-137

Blank Spike Summary

Job Number: F62033
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2074-BS	G0054906.D	1	12/17/08	MM	n/a	n/a	VG2074

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62033-1, F62033-2, F62033-3, F62033-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	47.5	95	77-129
108-67-8	1,3,5-Trimethylbenzene	50	49.4	99	79-129
127-18-4	Tetrachloroethylene	50	47.5	95	79-132
108-88-3	Toluene	50	45.9	92	80-123
79-01-6	Trichloroethylene	50	45.6	91	78-132
75-69-4	Trichlorofluoromethane	50	43.4	87	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	74.7	149*	74-138
75-01-4	Vinyl chloride	50	38.5	77	60-145
108-05-4	Vinyl Acetate	250	339	136	25-164
	m,p-Xylene	100	98.4	98	82-128
95-47-6	o-Xylene	50	48.5	97	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	80-121%
2037-26-5	Toluene-D8	96%	71-130%
460-00-4	4-Bromofluorobenzene	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	94%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62033
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62060-1MS	G0054918.D	1	12/17/08	MM	n/a	n/a	VG2074
F62060-1MSD	G0054919.D	1	12/17/08	MM	n/a	n/a	VG2074
F62060-1 [a]	G0054917.D	1	12/17/08	MM	n/a	n/a	VG2074

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62033-1, F62033-2, F62033-3, F62033-4

CAS No.	Compound	F62060-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		254	117	46*	119	47*	2	61-144/29
75-05-8	Acetonitrile	ND		508	383	75	416	82	8	59-139/30
107-02-8	Acrolein	ND		254	ND	0*	ND	0*	nc	27-156/39
107-13-1	Acrylonitrile	ND		254	393	155*	411	163*	4	55-144/24
107-05-1	Allyl chloride	ND		50.8	57.1	112	58.3	115	2	41-152/24
71-43-2	Benzene	ND		50.8	55.2	109	52.7	104	5	78-130/25
100-44-7	Benzyl Chloride	ND		50.8	32.2	63*	33.4	66*	4	74-130/28
108-86-1	Bromobenzene	ND		50.8	57.0	112	53.7	106	6	78-123/30
74-97-5	Bromochloromethane	ND		50.8	45.4	89	44.0	87	3	72-122/23
75-27-4	Bromodichloromethane	ND		50.8	50.0	98	49.3	98	1	73-122/25
75-25-2	Bromoform	ND		50.8	41.5	82	41.4	82	0	70-139/26
104-51-8	n-Butylbenzene	ND		50.8	57.4	113	55.1	109	4	80-138/31
135-98-8	sec-Butylbenzene	ND		50.8	59.7	117	56.2	111	6	82-132/29
98-06-6	tert-Butylbenzene	ND		50.8	57.8	114	55.8	110	4	79-130/29
108-90-7	Chlorobenzene	ND		50.8	55.0	108	52.0	103	6	83-122/23
75-00-3	Chloroethane	ND		50.8	32.8	65	47.3	94	36*	61-153/31
67-66-3	Chloroform	ND		50.8	54.9	108	53.7	106	2	79-129/27
544-10-5	1-Chlorohexane	ND		50.8	53.8	106	52.6	104	2	85-137/29
95-49-8	o-Chlorotoluene	ND		50.8	59.1	116	54.0	107	9	77-123/31
106-43-4	p-Chlorotoluene	ND		50.8	56.6	111	55.2	109	3	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		254	237	93	322	127	30*	52-142/25
75-15-0	Carbon disulfide	ND		50.8	44.1	87	43.9	87	0	61-142/27
56-23-5	Carbon tetrachloride	ND		50.8	55.4	109	49.3	98	12	79-135/29
75-34-3	1,1-Dichloroethane	ND		50.8	53.3	105	52.1	103	2	77-132/26
75-35-4	1,1-Dichloroethylene	ND		50.8	48.6	96	49.8	98	2	66-132/27
563-58-6	1,1-Dichloropropene	ND		50.8	52.3	103	50.0	99	4	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		50.8	44.3	87	43.6	86	2	67-129/29
106-93-4	1,2-Dibromoethane	ND		50.8	47.0	92	45.8	91	3	77-126/24
107-06-2	1,2-Dichloroethane	ND		50.8	48.5	95	48.2	95	1	78-129/24
78-87-5	1,2-Dichloropropane	ND		50.8	53.0	104	48.3	96	9	74-127/27
142-28-9	1,3-Dichloropropane	ND		50.8	47.0	92	44.9	89	5	78-118/26
594-20-7	2,2-Dichloropropane	ND		50.8	43.4	85	44.6	88	3	80-137/28
124-48-1	Dibromochloromethane	ND		50.8	51.4	101	48.8	97	5	78-117/27
75-71-8	Dichlorodifluoromethane	ND		50.8	21.2	42	30.4	60	36*	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		50.8	50.0	98	49.4	98	1	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		50.8	50.8	100	65.8	130	26*	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62033
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62060-1MS	G0054918.D	1	12/17/08	MM	n/a	n/a	VG2074
F62060-1MSD	G0054919.D	1	12/17/08	MM	n/a	n/a	VG2074
F62060-1 [a]	G0054917.D	1	12/17/08	MM	n/a	n/a	VG2074

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62033-1, F62033-2, F62033-3, F62033-4

CAS No.	Compound	F62060-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		50.8	44.9	88	42.9	85	5	71-126/28
541-73-1	m-Dichlorobenzene	ND		50.8	57.8	114	55.1	109	5	82-126/29
95-50-1	o-Dichlorobenzene	ND		50.8	56.5	111	54.3	107	4	83-123/28
106-46-7	p-Dichlorobenzene	ND		50.8	58.6	115	55.3	109	6	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		50.8	49.9	98	50.5	100	1	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		50.8	50.7	100	51.6	102	2	87-131/27
100-41-4	Ethylbenzene	ND		50.8	56.0	110	52.3	103	7	82-124/25
97-63-2	Ethyl methacrylate	ND		50.8	10.4	20*	10	20*	4	78-118/30
76-13-1	Freon 113	ND		50.8	47.6	94	50.8	100	7	62-147/29
591-78-6	2-Hexanone	ND		254	182	72	180	71	1	67-130/29
87-68-3	Hexachlorobutadiene	ND		50.8	62.4	123	58.8	116	6	77-150/36
110-54-3	Hexane	ND		50.8	50.7	100	50.1	99	1	65-147/27
98-82-8	Isopropylbenzene	ND		50.8	57.4	113	56.5	112	2	82-133/27
99-87-6	p-Isopropyltoluene	ND		50.8	60.4	119	56.8	112	6	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		254	214	84	208	82	3	69-125/24
126-98-7	Methacrylonitrile	ND		508	466	92	464	92	0	70-138/22
74-83-9	Methyl bromide	ND		50.8	32.0	63	45.9	91	36*	60-146/31
74-87-3	Methyl chloride	ND		50.8	31.7	62	42.3	84	29*	58-163/26
74-88-4	Methyl iodide	ND		50.8	40.9	80	41.7	82	2	66-128/27
80-62-6	Methyl methacrylate	ND		50.8	51.7	102	50.3	99	3	73-125/24
74-95-3	Methylene bromide	ND		50.8	48.6	96	47.8	95	2	75-128/26
75-09-2	Methylene chloride	6.6	JB	50.8	53.7	93	52.2	90	3	62-140/25
78-93-3	Methyl ethyl ketone	ND		254	145	57*	152	60*	5	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		50.8	43.9	86	45.3	90	3	70-131/25
91-20-3	Naphthalene	ND		50.8	50.8	100	47.3	94	7	59-143/31
76-01-7	Pentachloroethane	ND		50.8	61.9	122	56.4	112	9	64-156/37
107-12-0	Propionitrile	ND		508	443	87	447	88	1	73-133/23
103-65-1	n-Propylbenzene	ND		50.8	58.9	116	55.6	110	6	78-129/29
100-42-5	Styrene	ND		50.8	53.2	105	52.4	104	2	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		50.8	54.9	108	51.0	101	7	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		50.8	52.7	104	52.8	104	0	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		50.8	49.7	98	46.5	92	7	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		50.8	46.8	92	45.0	89	4	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		50.8	54.4	107	52.9	105	3	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		50.8	43.4	85	39.9	79	8	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		50.8	56.1	110	54.2	107	3	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62033
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62060-1MS	G0054918.D	1	12/17/08	MM	n/a	n/a	VG2074
F62060-1MSD	G0054919.D	1	12/17/08	MM	n/a	n/a	VG2074
F62060-1 [a]	G0054917.D	1	12/17/08	MM	n/a	n/a	VG2074

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62033-1, F62033-2, F62033-3, F62033-4

CAS No.	Compound	F62060-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		50.8	59.6	117	55.6	110	7	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		50.8	58.3	115	55.6	110	5	79-129/31
127-18-4	Tetrachloroethylene	ND		50.8	57.9	114	57.2	113	1	79-132/27
108-88-3	Toluene	ND		50.8	52.9	104	51.3	101	3	80-123/26
79-01-6	Trichloroethylene	ND		50.8	53.8	106	51.1	101	5	78-132/28
75-69-4	Trichlorofluoromethane	ND		50.8	35.0	69	47.1	93	29	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		50.8	91.7	180*	84.8	168*	8	74-138/30
75-01-4	Vinyl chloride	ND		50.8	31.4	62	42.3	84	30*	60-145/29
108-05-4	Vinyl Acetate	ND		254	24.9	10*	15.4	6*	47*	25-164/35
	m,p-Xylene	ND		102	112	110	107	106	5	82-128/25
95-47-6	o-Xylene	ND		50.8	54.0	106	52.7	104	2	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F62060-1	Limits
1868-53-7	Dibromofluoromethane	102%	103%	104%	80-121%
2037-26-5	Toluene-D8	99%	99%	95%	71-130%
460-00-4	4-Bromofluorobenzene	101%	98%	93%	59-148%
17060-07-0	1,2-Dichloroethane-D4	99%	90%	110%	77-123%

(a) En Core samples were not preserved within 48 hours.

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F62033
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1967-MB	QR045241.D	1	12/16/08	AH	n/a	n/a	GQR1967

The QC reported here applies to the following samples: **Method:** SW846 8015

F62033-1, F62033-3

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	77%	56-136%
98-08-8	aaa-Trifluorotoluene	76%	61-121%

Method Blank Summary

Job Number: F62033
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1969-MB	QR045294.D	1	12/17/08	AH	n/a	n/a	GQR1969

The QC reported here applies to the following samples: **Method:** SW846 8015

F62033-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	98%	56-136%
98-08-8	aaa-Trifluorotoluene	83%	61-121%

Blank Spike Summary

Job Number: F62033
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1967-BS	QR045240.D	1	12/16/08	AH	n/a	n/a	GQR1967

The QC reported here applies to the following samples: **Method:** SW846 8015

F62033-1, F62033-3

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	19.0	95	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	86%	56-136%
98-08-8	aaa-Trifluorotoluene	89%	61-121%

Blank Spike Summary

Job Number: F62033
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1969-BS	QR045293.D	1	12/17/08	AH	n/a	n/a	GQR1969

The QC reported here applies to the following samples: **Method:** SW846 8015

F62033-2

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	19.7	99	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	105%	56-136%
98-08-8	aaa-Trifluorotoluene	98%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62033
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62033-1MS	QR045258.D	1	12/16/08	AH	n/a	n/a	GQR1967
F62033-1MSD	QR045259.D	1	12/16/08	AH	n/a	n/a	GQR1967
F62033-1	QR045245.D	1	12/16/08	AH	n/a	n/a	GQR1967

The QC reported here applies to the following samples: **Method:** SW846 8015

F62033-1, F62033-3

CAS No.	Compound	F62033-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		23.7	20.9	88	21.3	90	2	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F62033-1	Limits
460-00-4	4-Bromofluorobenzene	85%	87%	73%	56-136%
98-08-8	aaa-Trifluorotoluene	87%	88%	75%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62033
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62034-1MS	QR045318.D	1	12/17/08	AH	n/a	n/a	GQR1969
F62034-1MSD	QR045319.D	1	12/17/08	AH	n/a	n/a	GQR1969
F62034-1 [a]	QR045310.D	1	12/17/08	AH	n/a	n/a	GQR1969

The QC reported here applies to the following samples: **Method:** SW846 8015

F62033-2

CAS No.	Compound	F62034-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		24.2	22.3	92	23.4	97	5	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F62034-1	Limits
460-00-4	4-Bromofluorobenzene	86%	92%	78%	56-136%
98-08-8	aaa-Trifluorotoluene	93%	96%	81%	61-121%

(a) Confirmation run.

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F62033
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27393-MB	LL24569.D	1	12/17/08	NY	12/09/08	OP27393	GLL916

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62033-1, F62033-2, F62033-3

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	86%	49-108%

Method Blank Summary

Job Number: F62033
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27393-MB	LL24600.D	1	12/18/08	NY	12/09/08	OP27393	GLL917

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62033-1, F62033-2, F62033-3

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	86%	49-108%

Blank Spike Summary

Job Number: F62033
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27393-BS	LL24568.D	1	12/17/08	NY	12/09/08	OP27393	GLL916

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62033-1, F62033-2, F62033-3

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	32.9	99	64-102
	TPH (> C22-C36)	33.3	36.2	109	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	89%	49-108%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62033
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27393-MS	LL24594.D	1	12/18/08	NY	12/09/08	OP27393	GLL916
OP27393-MSD	LL24595.D	1	12/18/08	NY	12/09/08	OP27393	GLL916
F62034-4	LL24593.D	1	12/18/08	NY	12/09/08	OP27393	GLL916

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62033-1, F62033-2, F62033-3

CAS No.	Compound	F62034-4 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		37.2	33.7	91	35.8	97	6	64-102/32
	TPH (> C22-C36)	ND		37.2	39.5	106	42.3	114	7	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F62034-4	Limits
84-15-1	o-Terphenyl	85%	90%	82%	49-108%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/29/08

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F62034

Sampling Date: 12/05/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: 57

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Note: This report is password protected to disallow document modification or assembly.
A password to unlock this report is available from your client service representative.

Sections: 1 2 3 4 5 6 7

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F62034-1: SS61-SB46-17 7
3.2: F62034-2: SS61-SB46-28 12
3.3: F62034-3: SS61-SB46-28-a 17
3.4: F62034-4: SS61-SB46-35 22
3.5: F62034-5: TRIP BLANK 27
Section 4: Misc. Forms **30**
4.1: Chain of Custody 31
Section 5: GC/MS Volatiles - QC Data Summaries **33**
5.1: Method Blank Summary 34
5.2: Blank Spike Summary 38
5.3: Matrix Spike/Matrix Spike Duplicate Summary 42
Section 6: GC Volatiles - QC Data Summaries **46**
6.1: Method Blank Summary 47
6.2: Blank Spike Summary 49
6.3: Matrix Spike/Matrix Spike Duplicate Summary 51
Section 7: GC Semi-volatiles - QC Data Summaries **53**
7.1: Method Blank Summary 54
7.2: Blank Spike Summary 56
7.3: Matrix Spike/Matrix Spike Duplicate Summary 57

Sample Summary

North Wind, Inc

Job No: F62034

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F62034-1	12/05/08	07:45	ZBGK	12/06/08	SO	Soil	SS61-SB46-17
F62034-1D	12/05/08	07:45	ZBGK	12/06/08	SO	Soil Dup/MSD	SS61-SB46-17
F62034-1S	12/05/08	07:45	ZBGK	12/06/08	SO	Soil Matrix Spike	SS61-SB46-17
F62034-2	12/05/08	08:00	ZBGK	12/06/08	SO	Soil	SS61-SB46-28
F62034-3	12/05/08	08:00	ZBGK	12/06/08	SO	Soil	SS61-SB46-28-a
F62034-4	12/05/08	08:15	ZBGK	12/06/08	SO	Soil	SS61-SB46-35
F62034-5	12/05/08	00:00	ZBGK	12/06/08	SO	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F62034

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/26/2008 12:34:16

4 Samples, 1 Trip Blank were collected on 12/05/2008 and received at Accutest on 12/06/2008 properly preserved, at 2 Deg. C and intact. These Samples received an Accutest job number of F62034. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2073

All samples were analyzed within the recommended method holding time.

Sample(s) F62034-1MS, F62034-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for Acetone, Acrolein, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for 1,2,3-Trichloropropane, Acetone, Acrolein, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,2,3-Trichloropropane, Acetone, Acrolein, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

F62034-2 for Methylene chloride: Suspected laboratory contaminant.

F62034-5 for Methylene chloride: Suspected laboratory contaminant.

F62034-4 for Methylene chloride: Suspected laboratory contaminant.

Matrix: SO **Batch ID:** VG2074

All samples were analyzed within the recommended method holding time.

Sample(s) F62060-1MS, F62060-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

F62034-3 for Hexane: CCV outside of control limits; results may be biased high.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GQR1967

All samples were analyzed within the recommended method holding time.

Sample(s) F62033-1MS, F62033-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Sample(s) F62034-3 have surrogates outside control limits. Probable cause due to matrix interference.

F62034-3 for aaa-Trifluorotoluene: Outside control limits due to matrix interference.

F62034-3 for aaa-Trifluorotoluene: Result reported from PID.

Matrix: SO **Batch ID:** GQR1969

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F62034-3 have surrogates outside control limits. Probable cause due to matrix interference.

F62034-1: Confirmation run.

Extractables by GC By Method SW846 8015 M

Matrix: SO **Batch ID:** OP27393

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F62034-4MS, F62034-4MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

F62034-2 for TPH (C10-C22): Petroleum hydrocarbon pattern begins before C10.
F62034-3 for TPH (C10-C22): Petroleum hydrocarbon pattern begins before C10.

Wet Chemistry By Method SM19 2540B M

Matrix: SO **Batch ID:** GN33098

Sample(s) F61993-1DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: December 26, 2008

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-SB46-17		
Lab Sample ID:	F62034-1	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054878.D	1	12/16/08	MM	12/06/08 11:09	n/a	VG2073
Run #2							

	Initial Weight
Run #1	5.91 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.9	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	1.5	5.0	1.1	ug/kg	J
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB46-17		
Lab Sample ID:	F62034-1	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB46-17		
Lab Sample ID:	F62034-1	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-121%
2037-26-5	Toluene-D8	93%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	103%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB46-17		
Lab Sample ID:	F62034-1	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	84.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045249.D	1	12/16/08	AH	12/06/08 11:09	n/a	GQR1967
Run #2 [a]	QR045310.D	1	12/17/08	AH	12/06/08 11:09	n/a	GQR1969

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.31 g	5.0 ml	100 ul
Run #2	5.82 g	5.0 ml	100 ul

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.5	3.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	73%	78%	56-136%
98-08-8	aaa-Trifluorotoluene	75%	81%	61-121%

(a) Confirmation run.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB46-17		
Lab Sample ID:	F62034-1	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	84.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24590.D	1	12/17/08	NY	12/09/08	OP27393	GLL916
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.8	5.9	mg/kg	
	TPH (> C22-C36)	ND	9.8	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	83%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB46-28		
Lab Sample ID:	F62034-2	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	79.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054893.D	1	12/16/08	MM	12/06/08 11:09	n/a	VG2073
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.49 g	5.0 ml	10.0 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	35000	17000	ug/kg	
75-05-8	Acetonitrile	ND	35000	11000	ug/kg	
107-02-8	Acrolein	ND	17000	6800	ug/kg	
107-13-1	Acrylonitrile	ND	17000	4800	ug/kg	
107-05-1	Allyl chloride	ND	17000	3500	ug/kg	
71-43-2	Benzene	17100	3500	700	ug/kg	
100-44-7	Benzyl Chloride	ND	3500	770	ug/kg	
108-86-1	Bromobenzene	ND	3500	700	ug/kg	
74-97-5	Bromochloromethane	ND	3500	1200	ug/kg	
75-27-4	Bromodichloromethane	ND	3500	840	ug/kg	
75-25-2	Bromoform	ND	3500	1000	ug/kg	
104-51-8	n-Butylbenzene	ND	3500	980	ug/kg	
135-98-8	sec-Butylbenzene	1300	3500	770	ug/kg	J
98-06-6	tert-Butylbenzene	ND	3500	770	ug/kg	
108-90-7	Chlorobenzene	ND	3500	700	ug/kg	
75-00-3	Chloroethane	ND	3500	1400	ug/kg	
67-66-3	Chloroform	ND	3500	1200	ug/kg	
544-10-5	1-Chlorohexane	ND	3500	910	ug/kg	
95-49-8	o-Chlorotoluene	ND	3500	700	ug/kg	
106-43-4	p-Chlorotoluene	ND	3500	700	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	17000	7000	ug/kg	
75-15-0	Carbon disulfide	ND	3500	770	ug/kg	
56-23-5	Carbon tetrachloride	ND	3500	980	ug/kg	
75-34-3	1,1-Dichloroethane	ND	3500	1400	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	3500	910	ug/kg	
563-58-6	1,1-Dichloropropene	ND	3500	980	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	3500	1700	ug/kg	
106-93-4	1,2-Dibromoethane	ND	3500	700	ug/kg	
107-06-2	1,2-Dichloroethane	ND	3500	770	ug/kg	
78-87-5	1,2-Dichloropropane	ND	3500	980	ug/kg	
142-28-9	1,3-Dichloropropane	ND	3500	700	ug/kg	
594-20-7	2,2-Dichloropropane	ND	3500	1500	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB46-28		
Lab Sample ID:	F62034-2	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	79.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	3500	700	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	3500	1400	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	3500	1100	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3500	910	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	17000	3500	ug/kg	
541-73-1	m-Dichlorobenzene	ND	3500	700	ug/kg	
95-50-1	o-Dichlorobenzene	ND	3500	700	ug/kg	
106-46-7	p-Dichlorobenzene	ND	3500	700	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	3500	840	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3500	700	ug/kg	
100-41-4	Ethylbenzene	15600	3500	700	ug/kg	
97-63-2	Ethyl methacrylate	ND	17000	3500	ug/kg	
76-13-1	Freon 113	ND	3500	1800	ug/kg	
591-78-6	2-Hexanone	ND	17000	3500	ug/kg	
87-68-3	Hexachlorobutadiene	ND	3500	840	ug/kg	
110-54-3	Hexane	ND	3500	1700	ug/kg	
98-82-8	Isopropylbenzene	57400	3500	770	ug/kg	
99-87-6	p-Isopropyltoluene	ND	3500	770	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	17000	4500	ug/kg	
126-98-7	Methacrylonitrile	ND	17000	3800	ug/kg	
74-83-9	Methyl bromide	ND	3500	1500	ug/kg	
74-87-3	Methyl chloride	ND	3500	1700	ug/kg	
74-88-4	Methyl iodide	ND	7000	1400	ug/kg	
80-62-6	Methyl methacrylate	ND	17000	3500	ug/kg	
74-95-3	Methylene bromide	ND	3500	1000	ug/kg	
75-09-2	Methylene chloride [a]	5040	7000	3500	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	17000	5800	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	3500	1000	ug/kg	
91-20-3	Naphthalene	ND	3500	1400	ug/kg	
76-01-7	Pentachloroethane	ND	17000	3500	ug/kg	
107-12-0	Propionitrile	ND	35000	8400	ug/kg	
103-65-1	n-Propylbenzene	2540	3500	840	ug/kg	J
100-42-5	Styrene	ND	3500	700	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	3500	700	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	3500	770	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3500	1300	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	3500	700	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	3500	1400	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	3500	1300	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	3500	1400	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB46-28		
Lab Sample ID:	F62034-2	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	79.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	19700	3500	700	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	3500	700	ug/kg	
127-18-4	Tetrachloroethylene	ND	3500	840	ug/kg	
108-88-3	Toluene	2080	3500	700	ug/kg	J
79-01-6	Trichloroethylene	ND	3500	840	ug/kg	
75-69-4	Trichlorofluoromethane	ND	3500	1400	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	17000	3500	ug/kg	
75-01-4	Vinyl chloride	ND	3500	1400	ug/kg	
108-05-4	Vinyl Acetate	ND	17000	8400	ug/kg	
	m,p-Xylene	23900	7000	1300	ug/kg	
95-47-6	o-Xylene	5410	3500	700	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-121%
2037-26-5	Toluene-D8	94%		71-130%
460-00-4	4-Bromofluorobenzene	97%		59-148%
17060-07-0	1,2-Dichloroethane-D4	105%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB46-28		
Lab Sample ID:	F62034-2	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	79.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045252.D	1	12/16/08	AH	12/06/08 11:09	n/a	GQR1967
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.49 g	5.0 ml	1.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	2120	700	350	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	76%		56-136%
98-08-8	aaa-Trifluorotoluene	114%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB46-28		
Lab Sample ID:	F62034-2	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	79.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24601.D	1	12/18/08	NY	12/09/08	OP27393	GLL917
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22) [a]	13.5	10	6.2	mg/kg	
	TPH (> C22-C36)	10.7	10	6.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	88%		49-108%

(a) Petroleum hydrocarbon pattern begins before C10.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB46-28-a		
Lab Sample ID:	F62034-3	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054894.D	1	12/16/08	MM	12/06/08 11:09	n/a	VG2073
Run #2	G0054909.D	10	12/17/08	MM	12/06/08 11:09	n/a	VG2074

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.99 g	5.0 ml	100 ul
Run #2	5.99 g	5.0 ml	50.0 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3200	1600	ug/kg	
75-05-8	Acetonitrile	ND	3200	1000	ug/kg	
107-02-8	Acrolein	ND	1600	620	ug/kg	
107-13-1	Acrylonitrile	ND	1600	440	ug/kg	
107-05-1	Allyl chloride	ND	1600	320	ug/kg	
71-43-2	Benzene	30900 [a]	6400	1300	ug/kg	
100-44-7	Benzyl Chloride	ND	320	70	ug/kg	
108-86-1	Bromobenzene	ND	320	64	ug/kg	
74-97-5	Bromochloromethane	ND	320	110	ug/kg	
75-27-4	Bromodichloromethane	ND	320	76	ug/kg	
75-25-2	Bromoform	ND	320	95	ug/kg	
104-51-8	n-Butylbenzene	196	320	89	ug/kg	J
135-98-8	sec-Butylbenzene	2040	320	70	ug/kg	
98-06-6	tert-Butylbenzene	876	320	70	ug/kg	
108-90-7	Chlorobenzene	ND	320	64	ug/kg	
75-00-3	Chloroethane	ND	320	130	ug/kg	
67-66-3	Chloroform	ND	320	110	ug/kg	
544-10-5	1-Chlorohexane	ND	320	83	ug/kg	
95-49-8	o-Chlorotoluene	ND	320	64	ug/kg	
106-43-4	p-Chlorotoluene	ND	320	64	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1600	640	ug/kg	
75-15-0	Carbon disulfide	ND	320	70	ug/kg	
56-23-5	Carbon tetrachloride	ND	320	89	ug/kg	
75-34-3	1,1-Dichloroethane	ND	320	130	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	320	83	ug/kg	
563-58-6	1,1-Dichloropropene	ND	320	89	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	320	150	ug/kg	
106-93-4	1,2-Dibromoethane	ND	320	64	ug/kg	
107-06-2	1,2-Dichloroethane	ND	320	70	ug/kg	
78-87-5	1,2-Dichloropropane	ND	320	89	ug/kg	
142-28-9	1,3-Dichloropropane	ND	320	64	ug/kg	
594-20-7	2,2-Dichloropropane	ND	320	130	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB46-28-a		
Lab Sample ID:	F62034-3	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	320	64	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	320	130	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	320	100	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	320	83	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	1600	320	ug/kg	
541-73-1	m-Dichlorobenzene	ND	320	64	ug/kg	
95-50-1	o-Dichlorobenzene	ND	320	64	ug/kg	
106-46-7	p-Dichlorobenzene	ND	320	64	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	320	76	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	320	64	ug/kg	
100-41-4	Ethylbenzene	30900 [a]	6400	1300	ug/kg	
97-63-2	Ethyl methacrylate	ND	1600	320	ug/kg	
76-13-1	Freon 113	ND	320	170	ug/kg	
591-78-6	2-Hexanone	ND	1600	320	ug/kg	
87-68-3	Hexachlorobutadiene	ND	320	76	ug/kg	
110-54-3	Hexane [b]	24700 [a]	6400	3000	ug/kg	
98-82-8	Isopropylbenzene	125000 [a]	6400	1400	ug/kg	
99-87-6	p-Isopropyltoluene	ND	320	70	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1600	410	ug/kg	
126-98-7	Methacrylonitrile	ND	1600	350	ug/kg	
74-83-9	Methyl bromide	ND	320	140	ug/kg	
74-87-3	Methyl chloride	ND	320	150	ug/kg	
74-88-4	Methyl iodide	ND	640	130	ug/kg	
80-62-6	Methyl methacrylate	ND	1600	320	ug/kg	
74-95-3	Methylene bromide	ND	320	95	ug/kg	
75-09-2	Methylene chloride	ND	640	320	ug/kg	
78-93-3	Methyl ethyl ketone	ND	1600	530	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	320	95	ug/kg	
91-20-3	Naphthalene	226	320	130	ug/kg	J
76-01-7	Pentachloroethane	ND	1600	320	ug/kg	
107-12-0	Propionitrile	ND	3200	760	ug/kg	
103-65-1	n-Propylbenzene	4200	320	76	ug/kg	
100-42-5	Styrene	ND	320	64	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	320	64	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	320	70	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	320	110	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	320	64	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	320	130	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	320	120	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	320	130	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB46-28-a		
Lab Sample ID:	F62034-3	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	32600 [a]	6400	1300	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	625	320	64	ug/kg	
127-18-4	Tetrachloroethylene	ND	320	76	ug/kg	
108-88-3	Toluene	10000	320	64	ug/kg	
79-01-6	Trichloroethylene	ND	320	76	ug/kg	
75-69-4	Trichlorofluoromethane	ND	320	130	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	1600	320	ug/kg	
75-01-4	Vinyl chloride	ND	320	130	ug/kg	
108-05-4	Vinyl Acetate	ND	1600	760	ug/kg	
	m,p-Xylene	49100 [a]	13000	2400	ug/kg	
95-47-6	o-Xylene	40600 [a]	6400	1300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%	101%	80-121%
2037-26-5	Toluene-D8	115%	94%	71-130%
460-00-4	4-Bromofluorobenzene	101%	93%	59-148%
17060-07-0	1,2-Dichloroethane-D4	105%	108%	77-123%

(a) Result is from Run# 2
(b) CCV outside of control limits; results may be biased high.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB46-28-a		
Lab Sample ID:	F62034-3	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	80.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045253.D	1	12/16/08	AH	12/06/08 11:09	n/a	GQR1967
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.99 g	5.0 ml	0.50 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	4160	1300	640	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	75%		56-136%
98-08-8	aaa-Trifluorotoluene	109% [a]		61-121%
98-08-8	aaa-Trifluorotoluene	126% [b]		61-121%

(a) Result reported from PID.
(b) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB46-28-a		
Lab Sample ID:	F62034-3	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	80.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24602.D	1	12/18/08	NY	12/09/08	OP27393	GLL917
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22) [a]	15.0	10	6.1	mg/kg	
	TPH (> C22-C36)	10.4	10	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	87%		49-108%

(a) Petroleum hydrocarbon pattern begins before C10.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB46-35		
Lab Sample ID:	F62034-4	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054882.D	1	12/16/08	MM	12/06/08 11:09	n/a	VG2073
Run #2							

	Initial Weight
Run #1	5.58 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	51	25	ug/kg	
75-05-8	Acetonitrile	ND	51	16	ug/kg	
107-02-8	Acrolein	ND	25	10	ug/kg	
107-13-1	Acrylonitrile	ND	25	7.0	ug/kg	
107-05-1	Allyl chloride	ND	25	5.1	ug/kg	
71-43-2	Benzene	4.5	5.1	1.0	ug/kg	J
100-44-7	Benzyl Chloride	ND	5.1	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.1	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.1	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.1	1.2	ug/kg	
75-25-2	Bromoform	ND	5.1	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.1	1.4	ug/kg	
135-98-8	sec-Butylbenzene	1.6	5.1	1.1	ug/kg	J
98-06-6	tert-Butylbenzene	ND	5.1	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.1	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.1	2.0	ug/kg	
67-66-3	Chloroform	ND	5.1	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.1	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.1	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.1	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.1	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.1	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.1	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.1	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.1	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.1	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.1	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	3.1	5.1	1.1	ug/kg	J
78-87-5	1,2-Dichloropropane	ND	5.1	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.1	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.1	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB46-35		
Lab Sample ID:	F62034-4	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.1	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.1	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.1	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.1	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.1	ug/kg	
541-73-1	m-Dichlorobenzene	1.7	5.1	1.0	ug/kg	J
95-50-1	o-Dichlorobenzene	6.9	5.1	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	1.7	5.1	1.0	ug/kg	J
156-60-5	trans-1,2-Dichloroethylene	ND	5.1	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.1	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.1	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.1	ug/kg	
76-13-1	Freon 113	ND	5.1	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.1	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.1	1.2	ug/kg	
110-54-3	Hexane	ND	5.1	2.4	ug/kg	
98-82-8	Isopropylbenzene	121	5.1	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.1	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.5	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.6	ug/kg	
74-83-9	Methyl bromide	ND	5.1	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.1	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.1	ug/kg	
74-95-3	Methylene bromide	ND	5.1	1.5	ug/kg	
75-09-2	Methylene chloride [a]	7.0	10	5.1	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	25	8.4	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.1	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.1	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.1	ug/kg	
107-12-0	Propionitrile	ND	51	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.1	1.2	ug/kg	
100-42-5	Styrene	ND	5.1	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.1	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.1	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.1	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.1	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.1	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.1	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.1	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB46-35		
Lab Sample ID:	F62034-4	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.1	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.1	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.1	1.2	ug/kg	
108-88-3	Toluene	ND	5.1	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.1	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.1	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.1	ug/kg	
75-01-4	Vinyl chloride	ND	5.1	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.1	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-121%
2037-26-5	Toluene-D8	92%		71-130%
460-00-4	4-Bromofluorobenzene	104%		59-148%
17060-07-0	1,2-Dichloroethane-D4	107%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB46-35		
Lab Sample ID:	F62034-4	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	88.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045254.D	1	12/16/08	AH	12/06/08 11:09	n/a	GQR1967
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.90 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.5	2.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	74%		56-136%
98-08-8	aaa-Trifluorotoluene	78%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB46-35		
Lab Sample ID:	F62034-4	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/06/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	88.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24593.D	1	12/18/08	NY	12/09/08	OP27393	GLL916
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.3	5.6	mg/kg	
	TPH (> C22-C36)	ND	9.3	5.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	82%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F62034-5	**Date Sampled:**	12/05/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/06/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054883.D	1	12/16/08	MM	n/a	n/a	VG2073
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F62034-5	**Date Sampled:**	12/05/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/06/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride [a]	6.3	10	5.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F62034-5	**Date Sampled:**	12/05/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/06/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-121%
2037-26-5	Toluene-D8	95%		71-130%
460-00-4	4-Bromofluorobenzene	101%		59-148%
17060-07-0	1,2-Dichloroethane-D4	105%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

F62034

BHATE

Environmental Engineers and Scientists

Page 1 of 1

NorthWind Project Number: NWI-5029S.01

Chain of Custody and Analytical Request

PO#:

Chain of Custody Number [1]: 12-05-2008-3

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Zack Beck / Greg Kinsman

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)						Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
1	SS61-SB46-17	SS61-SB46	05-Dec-2008	0745	15 - 17	~~SO~~	01	SO	5	X	X	X										3
1	SS61-SB46-17-MS	SS61-SB46	05-Dec-2008	0745	15 - 17	MS	01	SO	5	X	X	X										3
1	SS61-SB46-17-MSD	SS61-SB46	05-Dec-2008	0745	15 - 17	SD	01	SO	5	X	X	X										3
2	SS61-SB46-28	SS61-SB46	05-Dec-2008	0800	26 - 28	N	01	SO	5	X	X	X										3
3	SS61-SB46-28-D	SS61-SB46	05-Dec-2008	0800	26 - 28	FD	01	SO	5	X	X	X										3
4	SS61-SB46-35	SS61-SB46	05-Dec-2008	0815	33 - 35	N	01	SO	5	X	X	X										3
5	Trip Blank				-	TB		WQ	3	X												3
					-																	
					-																	
					-																	
					-																	

Sample Analysis Requested [5] | Quality Assurance Samples [6]

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time		Received by (signed)	Date	Time
1.		12/5/08	1400	1.		12.6.08	09:30
2.	fx			2.			
3.				3.			

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: _____ Shipped No.: _____

Method of Shipment: _____ Airbill Number: _____

Analytical Lab: Accutest Laboratories Delivery Location: _____

Lab Recipient: _____ Delivery Date/Time: _____

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-e) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

2.0

F62034: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F62034 CLIENT: Blade PROJECT: SS-61

DATE/TIME RECEIVED: 12-6-08 09:30 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.0

METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8668 3474 8742

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [X] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [X] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS

MISC. INFORMATION

NUMBER OF ENCORES ? 24

NUMBER OF 5035 FIELD KITS ? TB

NUMBER OF LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE E.T. 12-6-08 TECHNICIAN SIGNATURE/DATE [illegible] 12-6-08

ASED 12/17/07

F62034: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F62034
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2073-MB	G0054875.D	1	12/16/08	MM	n/a	n/a	VG2073

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62034-1, F62034-2, F62034-3, F62034-4, F62034-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F62034
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2073-MB	G0054875.D	1	12/16/08	MM	n/a	n/a	VG2073

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62034-1, F62034-2, F62034-3, F62034-4, F62034-5

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F62034
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2073-MB	G0054875.D	1	12/16/08	MM	n/a	n/a	VG2073

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62034-1, F62034-2, F62034-3, F62034-4, F62034-5

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	80-121%
2037-26-5	Toluene-D8	94%	71-130%
460-00-4	4-Bromofluorobenzene	103%	59-148%
17060-07-0	1,2-Dichloroethane-D4	107%	77-123%

Method Blank Summary

Job Number: F62034
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2074-MB	G0054907.D	1	12/17/08	MM	n/a	n/a	VG2074

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62034-3

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	80-121%
2037-26-5	Toluene-D8	93%	71-130%
460-00-4	4-Bromofluorobenzene	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	107%	77-123%

Blank Spike Summary

Job Number: F62034
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2073-BS	G0054874.D	1	12/16/08	MM	n/a	n/a	VG2073

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62034-1, F62034-2, F62034-3, F62034-4, F62034-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	148	59*	61-144
75-05-8	Acetonitrile	500	445	89	59-139
107-02-8	Acrolein	250	33.7	13*	27-156
107-13-1	Acrylonitrile	250	229	92	55-144
107-05-1	Allyl chloride	50	53.8	108	41-152
71-43-2	Benzene	50	51.8	104	78-130
100-44-7	Benzyl Chloride	50	43.6	87	74-130
108-86-1	Bromobenzene	50	53.5	107	78-123
74-97-5	Bromochloromethane	50	44.0	88	72-122
75-27-4	Bromodichloromethane	50	47.2	94	73-122
75-25-2	Bromoform	50	40.7	81	70-139
104-51-8	n-Butylbenzene	50	54.7	109	80-138
135-98-8	sec-Butylbenzene	50	53.7	107	82-132
98-06-6	tert-Butylbenzene	50	53.6	107	79-130
108-90-7	Chlorobenzene	50	53.4	107	83-122
75-00-3	Chloroethane	50	41.7	83	61-153
67-66-3	Chloroform	50	49.6	99	79-129
544-10-5	1-Chlorohexane	50	54.2	108	85-137
95-49-8	o-Chlorotoluene	50	53.5	107	77-123
106-43-4	p-Chlorotoluene	50	53.8	108	78-129
110-75-8	2-Chloroethyl vinyl ether	250	316	126	52-142
75-15-0	Carbon disulfide	50	42.4	85	61-142
56-23-5	Carbon tetrachloride	50	52.1	104	79-135
75-34-3	1,1-Dichloroethane	50	50.1	100	77-132
75-35-4	1,1-Dichloroethylene	50	48.1	96	66-132
563-58-6	1,1-Dichloropropene	50	50.5	101	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	45.0	90	67-129
106-93-4	1,2-Dibromoethane	50	47.2	94	77-126
107-06-2	1,2-Dichloroethane	50	48.1	96	78-129
78-87-5	1,2-Dichloropropane	50	48.0	96	74-127
142-28-9	1,3-Dichloropropane	50	47.6	95	78-118
594-20-7	2,2-Dichloropropane	50	47.1	94	80-137
124-48-1	Dibromochloromethane	50	48.9	98	78-117
75-71-8	Dichlorodifluoromethane	50	27.0	54	35-162
156-59-2	cis-1,2-Dichloroethylene	50	49.2	98	74-123
10061-01-5	cis-1,3-Dichloropropene	50	49.6	99	79-130

Blank Spike Summary

Job Number: F62034
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2073-BS	G0054874.D	1	12/16/08	MM	n/a	n/a	VG2073

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62034-1, F62034-2, F62034-3, F62034-4, F62034-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	43.5	87	71-126
541-73-1	m-Dichlorobenzene	50	52.2	104	82-126
95-50-1	o-Dichlorobenzene	50	52.1	104	83-123
106-46-7	p-Dichlorobenzene	50	53.2	106	84-124
156-60-5	trans-1,2-Dichloroethylene	50	49.3	99	77-129
10061-02-6	trans-1,3-Dichloropropene	50	53.2	106	87-131
100-41-4	Ethylbenzene	50	52.7	105	82-124
97-63-2	Ethyl methacrylate	50	41.0	82	78-118
76-13-1	Freon 113	50	46.0	92	62-147
591-78-6	2-Hexanone	250	209	84	67-130
87-68-3	Hexachlorobutadiene	50	56.5	113	77-150
110-54-3	Hexane	50	55.8	112	65-147
98-82-8	Isopropylbenzene	50	53.4	107	82-133
99-87-6	p-Isopropyltoluene	50	55.2	110	82-132
108-10-1	4-Methyl-2-pentanone	250	225	90	69-125
126-98-7	Methacrylonitrile	500	478	96	70-138
74-83-9	Methyl bromide	50	39.8	80	60-146
74-87-3	Methyl chloride	50	41.1	82	58-163
74-88-4	Methyl iodide	50	40.0	80	66-128
80-62-6	Methyl methacrylate	50	50.9	102	73-125
74-95-3	Methylene bromide	50	47.3	95	75-128
75-09-2	Methylene chloride	50	48.6	97	62-140
78-93-3	Methyl ethyl ketone	250	188	75	66-134
1634-04-4	Methyl Tert Butyl Ether	50	45.5	91	70-131
91-20-3	Naphthalene	50	49.3	99	59-143
76-01-7	Pentachloroethane	50	57.1	114	64-156
107-12-0	Propionitrile	500	450	90	73-133
103-65-1	n-Propylbenzene	50	54.1	108	78-129
100-42-5	Styrene	50	53.4	107	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	50.2	100	81-121
71-55-6	1,1,1-Trichloroethane	50	50.1	100	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	47.9	96	70-128
79-00-5	1,1,2-Trichloroethane	50	46.1	92	76-118
87-61-6	1,2,3-Trichlorobenzene	50	50.6	101	78-136
96-18-4	1,2,3-Trichloropropane	50	37.7	75	74-125
120-82-1	1,2,4-Trichlorobenzene	50	53.6	107	82-137

Blank Spike Summary

Job Number: F62034
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2073-BS	G0054874.D	1	12/16/08	MM	n/a	n/a	VG2073

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62034-1, F62034-2, F62034-3, F62034-4, F62034-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	53.9	108	77-129
108-67-8	1,3,5-Trimethylbenzene	50	55.3	111	79-129
127-18-4	Tetrachloroethylene	50	57.3	115	79-132
108-88-3	Toluene	50	52.5	105	80-123
79-01-6	Trichloroethylene	50	49.0	98	78-132
75-69-4	Trichlorofluoromethane	50	41.7	83	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	97.9	196*	74-138
75-01-4	Vinyl chloride	50	39.9	80	60-145
108-05-4	Vinyl Acetate	250	132	53	25-164
	m,p-Xylene	100	107	107	82-128
95-47-6	o-Xylene	50	53.2	106	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	80-121%
2037-26-5	Toluene-D8	103%	71-130%
460-00-4	4-Bromofluorobenzene	102%	59-148%
17060-07-0	1,2-Dichloroethane-D4	91%	77-123%

Blank Spike Summary

Job Number: F62034
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2074-BS	G0054906.D	1	12/17/08	MM	n/a	n/a	VG2074

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62034-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	46.7	93	78-130
100-41-4	Ethylbenzene	50	49.1	98	82-124
110-54-3	Hexane	50	51.2	102	65-147
98-82-8	Isopropylbenzene	50	50.6	101	82-133
95-63-6	1,2,4-Trimethylbenzene	50	47.5	95	77-129
	m,p-Xylene	100	98.4	98	82-128
95-47-6	o-Xylene	50	48.5	97	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	80-121%
2037-26-5	Toluene-D8	96%	71-130%
460-00-4	4-Bromofluorobenzene	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	94%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62034
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62034-1MS	G0054879.D	1	12/16/08	MM	n/a	n/a	VG2073
F62034-1MSD	G0054880.D	1	12/16/08	MM	n/a	n/a	VG2073
F62034-1	G0054878.D	1	12/16/08	MM	n/a	n/a	VG2073

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62034-1, F62034-2, F62034-3, F62034-4, F62034-5

CAS No.	Compound	F62034-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		256	102	40*	98.2	38*	4	61-144/29
75-05-8	Acetonitrile	ND		512	383	75	393	76	3	59-139/30
107-02-8	Acrolein	ND		256	ND	0*	ND	0*	nc	27-156/39
107-13-1	Acrylonitrile	ND		256	222	87	213	83	4	55-144/24
107-05-1	Allyl chloride	ND		51.2	56.1	110	60.5	117	8	41-152/24
71-43-2	Benzene	ND		51.2	55.3	108	56.0	109	1	78-130/25
100-44-7	Benzyl Chloride	ND		51.2	30.7	60*	28.9	56*	6	74-130/28
108-86-1	Bromobenzene	ND		51.2	51.7	101	53.3	103	3	78-123/30
74-97-5	Bromochloromethane	ND		51.2	44.8	88	44.1	85	2	72-122/23
75-27-4	Bromodichloromethane	ND		51.2	48.1	94	47.5	92	1	73-122/25
75-25-2	Bromoform	ND		51.2	38.5	75	41.7	81	8	70-139/26
104-51-8	n-Butylbenzene	ND		51.2	51.2	100	53.3	103	4	80-138/31
135-98-8	sec-Butylbenzene	ND		51.2	53.0	104	55.2	107	4	82-132/29
98-06-6	tert-Butylbenzene	ND		51.2	54.1	106	54.8	106	1	79-130/29
108-90-7	Chlorobenzene	ND		51.2	50.8	99	54.0	105	6	83-122/23
75-00-3	Chloroethane	ND		51.2	47.0	92	46.1	89	2	61-153/31
67-66-3	Chloroform	ND		51.2	53.3	104	53.2	103	0	79-129/27
544-10-5	1-Chlorohexane	ND		51.2	52.9	103	54.0	105	2	85-137/29
95-49-8	o-Chlorotoluene	ND		51.2	53.4	104	54.1	105	1	77-123/31
106-43-4	p-Chlorotoluene	ND		51.2	52.9	103	54.7	106	3	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		256	302	118	309	120	2	52-142/25
75-15-0	Carbon disulfide	1.5	J	51.2	48.1	91	48.2	90	0	61-142/27
56-23-5	Carbon tetrachloride	ND		51.2	58.0	113	60.8	118	5	79-135/29
75-34-3	1,1-Dichloroethane	ND		51.2	53.4	104	55.0	107	3	77-132/26
75-35-4	1,1-Dichloroethylene	ND		51.2	55.9	109	54.4	105	3	66-132/27
563-58-6	1,1-Dichloropropene	ND		51.2	53.8	105	55.0	107	2	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		51.2	37.8	74	39.6	77	5	67-129/29
106-93-4	1,2-Dibromoethane	ND		51.2	44.0	86	45.3	88	3	77-126/24
107-06-2	1,2-Dichloroethane	ND		51.2	48.2	94	47.8	93	1	78-129/24
78-87-5	1,2-Dichloropropane	ND		51.2	49.8	97	50.7	98	2	74-127/27
142-28-9	1,3-Dichloropropane	ND		51.2	44.6	87	47.4	92	6	78-118/26
594-20-7	2,2-Dichloropropane	ND		51.2	47.2	92	52.6	102	11	80-137/28
124-48-1	Dibromochloromethane	ND		51.2	45.4	89	46.9	91	3	78-117/27
75-71-8	Dichlorodifluoromethane	ND		51.2	31.8	62	31.1	60	2	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		51.2	49.9	98	50.1	97	0	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		51.2	49.3	96	50.4	98	2	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62034
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62034-1MS	G0054879.D	1	12/16/08	MM	n/a	n/a	VG2073
F62034-1MSD	G0054880.D	1	12/16/08	MM	n/a	n/a	VG2073
F62034-1	G0054878.D	1	12/16/08	MM	n/a	n/a	VG2073

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62034-1, F62034-2, F62034-3, F62034-4, F62034-5

CAS No.	Compound	F62034-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		51.2	43.0	84	43.6	84	1	71-126/28
541-73-1	m-Dichlorobenzene	ND		51.2	51.8	101	52.2	101	1	82-126/29
95-50-1	o-Dichlorobenzene	ND		51.2	49.0	96	51.5	100	5	83-123/28
106-46-7	p-Dichlorobenzene	ND		51.2	50.9	99	52.1	101	2	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		51.2	54.4	106	54.7	106	1	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		51.2	47.3	92	52.0	101	9	87-131/27
100-41-4	Ethylbenzene	ND		51.2	52.1	102	55.3	107	6	82-124/25
97-63-2	Ethyl methacrylate	ND		51.2	ND	0*	ND	0*	nc	78-118/30
76-13-1	Freon 113	ND		51.2	51.4	100	51.2	99	0	62-147/29
591-78-6	2-Hexanone	ND		256	173	68	173	67	0	67-130/29
87-68-3	Hexachlorobutadiene	ND		51.2	49.9	98	52.5	102	5	77-150/36
110-54-3	Hexane	ND		51.2	44.3	87	47.4	92	7	65-147/27
98-82-8	Isopropylbenzene	ND		51.2	55.0	107	56.8	110	3	82-133/27
99-87-6	p-Isopropyltoluene	ND		51.2	52.9	103	56.3	109	6	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		256	199	78	214	83	7	69-125/24
126-98-7	Methacrylonitrile	ND		512	442	86	448	87	1	70-138/22
74-83-9	Methyl bromide	ND		51.2	45.7	89	47.7	92	4	60-146/31
74-87-3	Methyl chloride	ND		51.2	44.7	87	44.4	86	1	58-163/26
74-88-4	Methyl iodide	ND		51.2	42.5	83	43.7	85	3	66-128/27
80-62-6	Methyl methacrylate	ND		51.2	44.6	87	43.3	84	3	73-125/24
74-95-3	Methylene bromide	ND		51.2	48.0	94	48.0	93	0	75-128/26
75-09-2	Methylene chloride	ND		51.2	55.2	108	58.5	113	6	62-140/25
78-93-3	Methyl ethyl ketone	ND		256	130	51*	126	49*	3	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		51.2	42.7	83	44.9	87	5	70-131/25
91-20-3	Naphthalene	ND		51.2	43.6	85	45.4	88	4	59-143/31
76-01-7	Pentachloroethane	ND		51.2	55.9	109	56.1	109	0	64-156/37
107-12-0	Propionitrile	ND		512	435	85	417	81	4	73-133/23
103-65-1	n-Propylbenzene	ND		51.2	53.5	105	54.9	106	3	78-129/29
100-42-5	Styrene	ND		51.2	50.4	99	53.7	104	6	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		51.2	48.5	95	52.6	102	8	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		51.2	55.0	107	57.6	112	5	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		51.2	43.0	84	44.2	86	3	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		51.2	43.7	85	45.3	88	4	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		51.2	46.3	90	46.9	91	1	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		51.2	37.3	73*	36.3	70*	3	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		51.2	49.0	96	50.3	97	3	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62034
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62034-1MS	G0054879.D	1	12/16/08	MM	n/a	n/a	VG2073
F62034-1MSD	G0054880.D	1	12/16/08	MM	n/a	n/a	VG2073
F62034-1	G0054878.D	1	12/16/08	MM	n/a	n/a	VG2073

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62034-1, F62034-2, F62034-3, F62034-4, F62034-5

CAS No.	Compound	F62034-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		51.2	52.8	103	55.3	107	5	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		51.2	55.5	108	54.5	106	2	79-129/31
127-18-4	Tetrachloroethylene	ND		51.2	57.5	112	57.9	112	1	79-132/27
108-88-3	Toluene	ND		51.2	52.7	103	54.2	105	3	80-123/26
79-01-6	Trichloroethylene	ND		51.2	54.2	106	54.1	105	0	78-132/28
75-69-4	Trichlorofluoromethane	ND		51.2	50.0	98	48.0	93	4	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		51.2	90.9	178*	92.6	179*	2	74-138/30
75-01-4	Vinyl chloride	ND		51.2	46.3	90	44.5	86	4	60-145/29
108-05-4	Vinyl Acetate	ND		256	13.5	5*	14.3	6*	6	25-164/35
	m,p-Xylene	ND		102	107	105	113	109	5	82-128/25
95-47-6	o-Xylene	ND		51.2	51.9	101	54.0	105	4	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F62034-1	Limits
1868-53-7	Dibromofluoromethane	101%	98%	99%	80-121%
2037-26-5	Toluene-D8	101%	101%	93%	71-130%
460-00-4	4-Bromofluorobenzene	101%	100%	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	90%	97%	103%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62034
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62060-1MS	G0054918.D	1	12/17/08	MM	n/a	n/a	VG2074
F62060-1MSD	G0054919.D	1	12/17/08	MM	n/a	n/a	VG2074
F62060-1 [a]	G0054917.D	1	12/17/08	MM	n/a	n/a	VG2074

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62034-3

CAS No.	Compound	F62060-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		50.8	55.2	109	52.7	104	5	78-130/25
100-41-4	Ethylbenzene	ND		50.8	56.0	110	52.3	103	7	82-124/25
110-54-3	Hexane	ND		50.8	50.7	100	50.1	99	1	65-147/27
98-82-8	Isopropylbenzene	ND		50.8	57.4	113	56.5	112	2	82-133/27
95-63-6	1,2,4-Trimethylbenzene	ND		50.8	59.6	117	55.6	110	7	77-129/29
	m,p-Xylene	ND		102	112	110	107	106	5	82-128/25
95-47-6	o-Xylene	ND		50.8	54.0	106	52.7	104	2	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F62060-1	Limits
1868-53-7	Dibromofluoromethane	102%	103%	104%	80-121%
2037-26-5	Toluene-D8	99%	99%	95%	71-130%
460-00-4	4-Bromofluorobenzene	101%	98%	93%	59-148%
17060-07-0	1,2-Dichloroethane-D4	99%	90%	110%	77-123%

(a) En Core samples were not preserved within 48 hours.

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F62034
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1967-MB	QR045241.D	1	12/16/08	AH	n/a	n/a	GQR1967

The QC reported here applies to the following samples: **Method:** SW846 8015

F62034-1, F62034-2, F62034-3, F62034-4

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	77%	56-136%
98-08-8	aaa-Trifluorotoluene	76%	61-121%

Method Blank Summary

Job Number: F62034
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1969-MB	QR045294.D	1	12/17/08	AH	n/a	n/a	GQR1969

The QC reported here applies to the following samples: **Method:** SW846 8015

F62034-1

CAS No.	Compound	Result	RL	MDL	Units	Q

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	98%	56-136%
98-08-8	aaa-Trifluorotoluene	83%	61-121%

Blank Spike Summary

Job Number: F62034
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1967-BS	QR045240.D	1	12/16/08	AH	n/a	n/a	GQR1967

The QC reported here applies to the following samples: **Method:** SW846 8015

F62034-1, F62034-2, F62034-3, F62034-4

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	19.0	95	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	86%	56-136%
98-08-8	aaa-Trifluorotoluene	89%	61-121%

Blank Spike Summary

Job Number: F62034
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1969-BS	QR045293.D	1	12/17/08	AH	n/a	n/a	GQR1969

The QC reported here applies to the following samples: **Method:** SW846 8015

F62034-1

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	105%	56-136%
98-08-8	aaa-Trifluorotoluene	98%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62034
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62033-1MS	QR045258.D	1	12/16/08	AH	n/a	n/a	GQR1967
F62033-1MSD	QR045259.D	1	12/16/08	AH	n/a	n/a	GQR1967
F62033-1	QR045245.D	1	12/16/08	AH	n/a	n/a	GQR1967

The QC reported here applies to the following samples: **Method:** SW846 8015

F62034-1, F62034-2, F62034-3, F62034-4

CAS No.	Compound	F62033-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		23.7	20.9	88	21.3	90	2	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F62033-1	Limits
460-00-4	4-Bromofluorobenzene	85%	87%	73%	56-136%
98-08-8	aaa-Trifluorotoluene	87%	88%	75%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62034
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62034-1MS	QR045318.D	1	12/17/08	AH	n/a	n/a	GQR1969
F62034-1MSD	QR045319.D	1	12/17/08	AH	n/a	n/a	GQR1969
F62034-1 [a]	QR045310.D	1	12/17/08	AH	n/a	n/a	GQR1969

The QC reported here applies to the following samples: **Method:** SW846 8015

F62034-1

CAS No.	Compound	F62034-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD

CAS No.	Surrogate Recoveries	MS	MSD	F62034-1	Limits
460-00-4	4-Bromofluorobenzene	86%	92%	78%	56-136%
98-08-8	aaa-Trifluorotoluene	93%	96%	81%	61-121%

(a) Confirmation run.

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F62034
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27393-MB	LL24569.D	1	12/17/08	NY	12/09/08	OP27393	GLL916

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62034-1, F62034-2, F62034-3, F62034-4

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	86%	49-108%

Method Blank Summary

Job Number: F62034
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27393-MB	LL24600.D	1	12/18/08	NY	12/09/08	OP27393	GLL917

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62034-1, F62034-2, F62034-3, F62034-4

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	86%	49-108%

Blank Spike Summary

Job Number: F62034
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27393-BS	LL24568.D	1	12/17/08	NY	12/09/08	OP27393	GLL916

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62034-1, F62034-2, F62034-3, F62034-4

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	32.9	99	64-102
	TPH (> C22-C36)	33.3	36.2	109	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	89%	49-108%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62034
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27393-MS	LL24594.D	1	12/18/08	NY	12/09/08	OP27393	GLL916
OP27393-MSD	LL24595.D	1	12/18/08	NY	12/09/08	OP27393	GLL916
F62034-4	LL24593.D	1	12/18/08	NY	12/09/08	OP27393	GLL916

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62034-1, F62034-2, F62034-3, F62034-4

CAS No.	Compound	F62034-4 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		37.2	33.7	91	35.8	97	6	64-102/32
	TPH (> C22-C36)	ND		37.2	39.5	106	42.3	114	7	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F62034-4	Limits
84-15-1	o-Terphenyl	85%	90%	82%	49-108%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/29/08

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F62060

Sampling Date: 12/07/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: 75

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Note: This report is password protected to disallow document modification or assembly.
A password to unlock this report is available from your client service representative.

Sections: 1 2 3 4 5 6 7

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F62060-1: SS61-SB53-20 7
3.2: F62060-2: SS61-SB53-29 12
3.3: F62060-3: SS61-SB53-29-a 17
3.4: F62060-4: SS61-SB53-35 22
3.5: F62060-5: SS61-SB54-25 27
3.6: F62060-6: SS61-SB54-30 32
3.7: F62060-7: SS61-SB54-31 37
3.8: F62060-8: TRIP BLANK 42
Section 4: Misc. Forms **45**
4.1: Chain of Custody 46
Section 5: GC/MS Volatiles - QC Data Summaries **48**
5.1: Method Blank Summary 49
5.2: Blank Spike Summary 53
5.3: Matrix Spike/Matrix Spike Duplicate Summary 57
Section 6: GC Volatiles - QC Data Summaries **61**
6.1: Method Blank Summary 62
6.2: Blank Spike Summary 65
6.3: Matrix Spike/Matrix Spike Duplicate Summary 68
Section 7: GC Semi-volatiles - QC Data Summaries **71**
7.1: Method Blank Summary 72
7.2: Blank Spike Summary 74
7.3: Matrix Spike/Matrix Spike Duplicate Summary 75

Sample Summary

North Wind, Inc

Job No: F62060

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F62060-1	12/07/08	08:00	ZB	12/09/08	SO	Soil	SS61-SB53-20
F62060-1D	12/07/08	08:00	ZB	12/09/08	SO	Soil Dup/MSD	SS61-SB53-20
F62060-1S	12/07/08	08:00	ZB	12/09/08	SO	Soil Matrix Spike	SS61-SB53-20
F62060-2	12/07/08	08:10	ZB	12/09/08	SO	Soil	SS61-SB53-29
F62060-3	12/07/08	08:10	ZB	12/09/08	SO	Soil	SS61-SB53-29-a
F62060-4	12/07/08	08:20	ZB	12/09/08	SO	Soil	SS61-SB53-35
F62060-5	12/07/08	10:05	ZB	12/09/08	SO	Soil	SS61-SB54-25
F62060-6	12/07/08	10:15	ZB	12/09/08	SO	Soil	SS61-SB54-30
F62060-7	12/07/08	10:25	ZB	12/09/08	SO	Soil	SS61-SB54-31
F62060-8	12/07/08	00:00	ZB	12/09/08	SO	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F62060

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/23/2008 1:32:24

7 Samples, 1 Trip Blank were collected on 12/07/2008 and received at Accutest on 12/09/2008 properly preserved, at 0.2 Deg. C and intact. These Samples received an Accutest job number of F62060. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2074

All samples were analyzed within the recommended method holding time.

Sample(s) F62060-1MS, F62060-1MSD were used as the QC samples indicated.

Sample(s) F62060-1, F62060-2, F62060-3, F62060-4, F62060-6, F62060-7, F62060-8 have compound(s) reported with a “B” qualifier, indicating analyte is found in the associated method blank.

Blank Spike Recovery(s) for 1,2,3-Trichloropropane, Acrylonitrile, Bromoform, Ethyl methacrylate, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for Acetone, Acrolein, Acrylonitrile, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for Acetone, Acrolein, Acrylonitrile, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

RPD(s) for MSD for 2-Chloroethyl vinyl ether, Chloroethane, cis-1,3-Dichloropropene, Dichlorodifluoromethane, Methyl bromide, Methyl chloride, Vinyl Acetate, Vinyl chloride are outside control limits for sample F62060-1MSD. Probable cause due to sample homogeneity.

F62060-1: En Core samples were not preserved within 48 hours.

F62060-8: En Core samples were not preserved within 48 hours.

F62060-2: En Core samples were not preserved within 48 hours.

F62060-4: En Core samples were not preserved within 48 hours.

F62060-3: En Core samples were not preserved within 48 hours.

F62060-6: En Core samples were not preserved within 48 hours.

F62060-7: En Core samples were not preserved within 48 hours.

F62060-5: En Core samples were not preserved within 48 hours.

F62060-8 for Methylene chloride: Suspected laboratory contaminant.

F62060-7 for Methylene chloride: Suspected laboratory contaminant.

F62060-4 for Methylene chloride: Suspected laboratory contaminant.

F62060-2 for Methylene chloride: Suspected laboratory contaminant.

F62060-1 for Methylene chloride: Suspected laboratory contaminant.

F62060-6 for Methylene chloride: Suspected laboratory contaminant.

F62060-3 for Methylene chloride: Suspected laboratory contaminant.

Matrix: SO **Batch ID:** VG2075

All samples were analyzed within the recommended method holding time.

Sample(s) F62062-1MS, F62062-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2075

F62060-2: En Core samples were not preserved within 48 hours.

F62060-3: En Core samples were not preserved within 48 hours.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GCD3635

All samples were analyzed within the recommended method holding time.
Sample(s) F62060-1MS, F62060-1MSD were used as the QC samples indicated.
All method blanks for this batch meet method specific criteria.
F62060-1: En Core samples were not preserved within 48 hours.

Matrix: SO **Batch ID:** GCD3636

All samples were analyzed within the recommended method holding time.
Sample(s) F61975-4MS, F61975-4MSD were used as the QC samples indicated.
All method blanks for this batch meet method specific criteria.
F62060-7: En Core samples were not preserved within 48 hours.
F62060-6: En Core samples were not preserved within 48 hours.
F62060-5: En Core samples were not preserved within 48 hours.
F62060-4: En Core samples were not preserved within 48 hours.

Matrix: SO **Batch ID:** GQR1969

All samples were analyzed within the recommended method holding time.
Sample(s) F62034-1MS, F62034-1MSD were used as the QC samples indicated.
All method blanks for this batch meet method specific criteria.
F62060-3: En Core samples were not preserved within 48 hours.
F62060-2: En Core samples were not preserved within 48 hours.

Extractables by GC By Method SW846 8015 M

Matrix: SO **Batch ID:** OP27403

All samples were extracted within the recommended method holding time.
All samples were analyzed within the recommended method holding time.
All method blanks for this batch meet method specific criteria.
Sample(s) F62060-1MS, F62060-1MSD were used as the QC samples indicated.
Blank Spike Recovery(s) for TPH (C10-C22) are outside control limits.

Wet Chemistry By Method SM19 2540B M

Matrix: SO **Batch ID:** GN33102

Sample(s) F62060-1DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: December 24, 2008

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-SB53-20		
Lab Sample ID:	F62060-1	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054917.D	1	12/17/08	MM	12/09/08 13:16	n/a	VG2074
Run #2							

	Initial Weight
Run #1	6.13 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	48	24	ug/kg	
75-05-8	Acetonitrile	ND	48	15	ug/kg	
107-02-8	Acrolein	ND	24	9.4	ug/kg	
107-13-1	Acrylonitrile	ND	24	6.6	ug/kg	
107-05-1	Allyl chloride	ND	24	4.8	ug/kg	
71-43-2	Benzene	ND	4.8	0.96	ug/kg	
100-44-7	Benzyl Chloride	ND	4.8	1.1	ug/kg	
108-86-1	Bromobenzene	ND	4.8	0.96	ug/kg	
74-97-5	Bromochloromethane	ND	4.8	1.6	ug/kg	
75-27-4	Bromodichloromethane	ND	4.8	1.1	ug/kg	
75-25-2	Bromoform	ND	4.8	1.4	ug/kg	
104-51-8	n-Butylbenzene	ND	4.8	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	4.8	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	4.8	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	4.8	0.96	ug/kg	
75-00-3	Chloroethane	ND	4.8	1.9	ug/kg	
67-66-3	Chloroform	ND	4.8	1.6	ug/kg	
544-10-5	1-Chlorohexane	ND	4.8	1.2	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.8	0.96	ug/kg	
106-43-4	p-Chlorotoluene	ND	4.8	0.96	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	24	9.6	ug/kg	
75-15-0	Carbon disulfide	ND	4.8	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.8	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.8	1.9	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.8	1.2	ug/kg	
563-58-6	1,1-Dichloropropene	ND	4.8	1.3	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.8	2.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4.8	0.96	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.8	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.8	1.3	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4.8	0.96	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4.8	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB53-20		
Lab Sample ID:	F62060-1	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	4.8	0.96	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.8	1.9	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.8	1.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.8	1.2	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	24	4.8	ug/kg	
541-73-1	m-Dichlorobenzene	ND	4.8	0.96	ug/kg	
95-50-1	o-Dichlorobenzene	ND	4.8	0.96	ug/kg	
106-46-7	p-Dichlorobenzene	ND	4.8	0.96	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	4.8	1.1	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.8	0.96	ug/kg	
100-41-4	Ethylbenzene	ND	4.8	0.96	ug/kg	
97-63-2	Ethyl methacrylate	ND	24	4.8	ug/kg	
76-13-1	Freon 113	ND	4.8	2.5	ug/kg	
591-78-6	2-Hexanone	ND	24	4.8	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.8	1.1	ug/kg	
110-54-3	Hexane	ND	4.8	2.3	ug/kg	
98-82-8	Isopropylbenzene	ND	4.8	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	4.8	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	24	6.1	ug/kg	
126-98-7	Methacrylonitrile	ND	24	5.3	ug/kg	
74-83-9	Methyl bromide	ND	4.8	2.1	ug/kg	
74-87-3	Methyl chloride	ND	4.8	2.3	ug/kg	
74-88-4	Methyl iodide	ND	9.6	1.9	ug/kg	
80-62-6	Methyl methacrylate	ND	24	4.8	ug/kg	
74-95-3	Methylene bromide	ND	4.8	1.4	ug/kg	
75-09-2	Methylene chloride [b]	6.6	9.6	4.8	ug/kg	JB
78-93-3	Methyl ethyl ketone	ND	24	7.9	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.8	1.4	ug/kg	
91-20-3	Naphthalene	ND	4.8	1.9	ug/kg	
76-01-7	Pentachloroethane	ND	24	4.8	ug/kg	
107-12-0	Propionitrile	ND	48	11	ug/kg	
103-65-1	n-Propylbenzene	ND	4.8	1.1	ug/kg	
100-42-5	Styrene	ND	4.8	0.96	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.8	0.96	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.8	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.8	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.8	0.96	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.8	1.9	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.8	1.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	1.9	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB53-20		
Lab Sample ID:	F62060-1	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	4.8	0.96	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.8	0.96	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.8	1.1	ug/kg	
108-88-3	Toluene	ND	4.8	0.96	ug/kg	
79-01-6	Trichloroethylene	ND	4.8	1.1	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.8	1.9	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	24	4.8	ug/kg	
75-01-4	Vinyl chloride	ND	4.8	1.9	ug/kg	
108-05-4	Vinyl Acetate	ND	24	11	ug/kg	
	m,p-Xylene	ND	9.6	1.8	ug/kg	
95-47-6	o-Xylene	ND	4.8	0.96	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-121%
2037-26-5	Toluene-D8	95%		71-130%
460-00-4	4-Bromofluorobenzene	93%		59-148%
17060-07-0	1,2-Dichloroethane-D4	110%		77-123%

(a) En Core samples were not preserved within 48 hours.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB53-20		
Lab Sample ID:	F62060-1	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	85.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD086452.D	1	12/15/08	JG	12/09/08 13:16	n/a	GCD3635
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.71 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.0	3.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	81%		56-136%
98-08-8	aaa-Trifluorotoluene	78%		61-121%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB53-20		
Lab Sample ID:	F62060-1	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	85.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10619.D	1	12/18/08	NY	12/10/08	OP27403	GYY380
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.8	5.9	mg/kg	
	TPH (> C22-C36)	ND	9.8	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB53-29		
Lab Sample ID:	F62060-2	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054920.D	1	12/17/08	MM	12/09/08 13:16	n/a	VG2074
Run #2 [a]	G0054981.D	1	12/18/08	MM	12/09/08 13:16	n/a	VG2075

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.02 g	5.0 ml	100 ul
Run #2	6.02 g	5.0 ml	20.0 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	2900	1400	ug/kg	
75-05-8	Acetonitrile	ND	2900	920	ug/kg	
107-02-8	Acrolein	ND	1400	570	ug/kg	
107-13-1	Acrylonitrile	ND	1400	400	ug/kg	
107-05-1	Allyl chloride	ND	1400	290	ug/kg	
71-43-2	Benzene	645	290	58	ug/kg	
100-44-7	Benzyl Chloride	ND	290	63	ug/kg	
108-86-1	Bromobenzene	ND	290	58	ug/kg	
74-97-5	Bromochloromethane	ND	290	98	ug/kg	
75-27-4	Bromodichloromethane	ND	290	69	ug/kg	
75-25-2	Bromoform	ND	290	87	ug/kg	
104-51-8	n-Butylbenzene	ND	290	81	ug/kg	
135-98-8	sec-Butylbenzene	565	290	63	ug/kg	
98-06-6	tert-Butylbenzene	237	290	63	ug/kg	J
108-90-7	Chlorobenzene	ND	290	58	ug/kg	
75-00-3	Chloroethane	ND	290	120	ug/kg	
67-66-3	Chloroform	ND	290	98	ug/kg	
544-10-5	1-Chlorohexane	ND	290	75	ug/kg	
95-49-8	o-Chlorotoluene	ND	290	58	ug/kg	
106-43-4	p-Chlorotoluene	ND	290	58	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1400	580	ug/kg	
75-15-0	Carbon disulfide	ND	290	63	ug/kg	
56-23-5	Carbon tetrachloride	ND	290	81	ug/kg	
75-34-3	1,1-Dichloroethane	ND	290	120	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	290	75	ug/kg	
563-58-6	1,1-Dichloropropene	ND	290	81	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	290	140	ug/kg	
106-93-4	1,2-Dibromoethane	ND	290	58	ug/kg	
107-06-2	1,2-Dichloroethane	ND	290	63	ug/kg	
78-87-5	1,2-Dichloropropane	ND	290	81	ug/kg	
142-28-9	1,3-Dichloropropane	ND	290	58	ug/kg	
594-20-7	2,2-Dichloropropane	ND	290	120	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB53-29		
Lab Sample ID:	F62060-2	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	290	58	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	290	120	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	290	92	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	290	75	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	1400	290	ug/kg	
541-73-1	m-Dichlorobenzene	ND	290	58	ug/kg	
95-50-1	o-Dichlorobenzene	ND	290	58	ug/kg	
106-46-7	p-Dichlorobenzene	ND	290	58	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	290	69	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	290	58	ug/kg	
100-41-4	Ethylbenzene	1500	290	58	ug/kg	
97-63-2	Ethyl methacrylate	ND	1400	290	ug/kg	
76-13-1	Freon 113	ND	290	150	ug/kg	
591-78-6	2-Hexanone	ND	1400	290	ug/kg	
87-68-3	Hexachlorobutadiene	ND	290	69	ug/kg	
110-54-3	Hexane	ND	290	140	ug/kg	
98-82-8	Isopropylbenzene	23200 [b]	1400	320	ug/kg	
99-87-6	p-Isopropyltoluene	ND	290	63	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1400	370	ug/kg	
126-98-7	Methacrylonitrile	ND	1400	320	ug/kg	
74-83-9	Methyl bromide	ND	290	130	ug/kg	
74-87-3	Methyl chloride	ND	290	140	ug/kg	
74-88-4	Methyl iodide	ND	580	120	ug/kg	
80-62-6	Methyl methacrylate	ND	1400	290	ug/kg	
74-95-3	Methylene bromide	ND	290	87	ug/kg	
75-09-2	Methylene chloride [c]	381	580	290	ug/kg	JB
78-93-3	Methyl ethyl ketone	ND	1400	480	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	290	87	ug/kg	
91-20-3	Naphthalene	ND	290	120	ug/kg	
76-01-7	Pentachloroethane	ND	1400	290	ug/kg	
107-12-0	Propionitrile	ND	2900	690	ug/kg	
103-65-1	n-Propylbenzene	866	290	69	ug/kg	
100-42-5	Styrene	ND	290	58	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	290	58	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	290	63	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	290	100	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	290	58	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	290	120	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	290	110	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	290	120	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB53-29		
Lab Sample ID:	F62060-2	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	290	58	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	290	58	ug/kg	
127-18-4	Tetrachloroethylene	ND	290	69	ug/kg	
108-88-3	Toluene	ND	290	58	ug/kg	
79-01-6	Trichloroethylene	ND	290	69	ug/kg	
75-69-4	Trichlorofluoromethane	ND	290	120	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	1400	290	ug/kg	
75-01-4	Vinyl chloride	ND	290	120	ug/kg	
108-05-4	Vinyl Acetate	ND	1400	690	ug/kg	
	m,p-Xylene	ND	580	110	ug/kg	
95-47-6	o-Xylene	ND	290	58	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%	100%	80-121%
2037-26-5	Toluene-D8	92%	93%	71-130%
460-00-4	4-Bromofluorobenzene	95%	95%	59-148%
17060-07-0	1,2-Dichloroethane-D4	104%	106%	77-123%

(a) En Core samples were not preserved within 48 hours.
(b) Result is from Run# 2
(c) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB53-29		
Lab Sample ID:	F62060-2	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	85.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	QR045316.D	1	12/17/08	AH	12/09/08 13:16	n/a	GQR1969
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.02 g	5.0 ml	10.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	378	58	29	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	104%		56-136%
98-08-8	aaa-Trifluorotoluene	106%		61-121%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB53-29		
Lab Sample ID:	F62060-2	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	85.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10624.D	1	12/18/08	NY	12/10/08	OP27403	GYY380
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.6	5.8	mg/kg	
	TPH (> C22-C36)	ND	9.6	5.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	91%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB53-29-a		
Lab Sample ID:	F62060-3	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054921.D	1	12/17/08	MM	12/09/08 13:16	n/a	VG2074
Run #2 [a]	G0054982.D	1	12/18/08	MM	12/09/08 13:16	n/a	VG2075

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.15 g	5.0 ml	100 ul
Run #2	6.15 g	5.0 ml	20.0 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3000	1500	ug/kg	
75-05-8	Acetonitrile	ND	3000	960	ug/kg	
107-02-8	Acrolein	ND	1500	590	ug/kg	
107-13-1	Acrylonitrile	ND	1500	410	ug/kg	
107-05-1	Allyl chloride	ND	1500	300	ug/kg	
71-43-2	Benzene	947	300	60	ug/kg	
100-44-7	Benzyl Chloride	ND	300	66	ug/kg	
108-86-1	Bromobenzene	ND	300	60	ug/kg	
74-97-5	Bromochloromethane	ND	300	100	ug/kg	
75-27-4	Bromodichloromethane	ND	300	72	ug/kg	
75-25-2	Bromoform	ND	300	90	ug/kg	
104-51-8	n-Butylbenzene	ND	300	84	ug/kg	
135-98-8	sec-Butylbenzene	689	300	66	ug/kg	
98-06-6	tert-Butylbenzene	300	300	66	ug/kg	
108-90-7	Chlorobenzene	ND	300	60	ug/kg	
75-00-3	Chloroethane	ND	300	120	ug/kg	
67-66-3	Chloroform	ND	300	100	ug/kg	
544-10-5	1-Chlorohexane	ND	300	78	ug/kg	
95-49-8	o-Chlorotoluene	ND	300	60	ug/kg	
106-43-4	p-Chlorotoluene	ND	300	60	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1500	600	ug/kg	
75-15-0	Carbon disulfide	ND	300	66	ug/kg	
56-23-5	Carbon tetrachloride	ND	300	84	ug/kg	
75-34-3	1,1-Dichloroethane	ND	300	120	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	300	78	ug/kg	
563-58-6	1,1-Dichloropropene	ND	300	84	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	300	140	ug/kg	
106-93-4	1,2-Dibromoethane	ND	300	60	ug/kg	
107-06-2	1,2-Dichloroethane	ND	300	66	ug/kg	
78-87-5	1,2-Dichloropropane	ND	300	84	ug/kg	
142-28-9	1,3-Dichloropropane	ND	300	60	ug/kg	
594-20-7	2,2-Dichloropropane	ND	300	130	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB53-29-a		
Lab Sample ID:	F62060-3	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	300	60	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	300	120	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	300	96	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	300	78	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	1500	300	ug/kg	
541-73-1	m-Dichlorobenzene	ND	300	60	ug/kg	
95-50-1	o-Dichlorobenzene	ND	300	60	ug/kg	
106-46-7	p-Dichlorobenzene	ND	300	60	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	300	72	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	300	60	ug/kg	
100-41-4	Ethylbenzene	1770	300	60	ug/kg	
97-63-2	Ethyl methacrylate	ND	1500	300	ug/kg	
76-13-1	Freon 113	ND	300	160	ug/kg	
591-78-6	2-Hexanone	ND	1500	300	ug/kg	
87-68-3	Hexachlorobutadiene	ND	300	72	ug/kg	
110-54-3	Hexane	ND	300	140	ug/kg	
98-82-8	Isopropylbenzene	24500 [b]	1500	330	ug/kg	
99-87-6	p-Isopropyltoluene	ND	300	66	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1500	380	ug/kg	
126-98-7	Methacrylonitrile	ND	1500	330	ug/kg	
74-83-9	Methyl bromide	ND	300	130	ug/kg	
74-87-3	Methyl chloride	ND	300	140	ug/kg	
74-88-4	Methyl iodide	ND	600	120	ug/kg	
80-62-6	Methyl methacrylate	ND	1500	300	ug/kg	
74-95-3	Methylene bromide	ND	300	90	ug/kg	
75-09-2	Methylene chloride [c]	581	600	300	ug/kg	JB
78-93-3	Methyl ethyl ketone	ND	1500	500	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	300	90	ug/kg	
91-20-3	Naphthalene	ND	300	120	ug/kg	
76-01-7	Pentachloroethane	ND	1500	300	ug/kg	
107-12-0	Propionitrile	ND	3000	720	ug/kg	
103-65-1	n-Propylbenzene	1030	300	72	ug/kg	
100-42-5	Styrene	ND	300	60	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	300	60	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	300	66	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	300	110	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	300	60	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	300	120	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	300	110	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	300	120	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB53-29-a		
Lab Sample ID:	F62060-3	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	300	60	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	300	60	ug/kg	
127-18-4	Tetrachloroethylene	ND	300	72	ug/kg	
108-88-3	Toluene	ND	300	60	ug/kg	
79-01-6	Trichloroethylene	ND	300	72	ug/kg	
75-69-4	Trichlorofluoromethane	ND	300	120	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	1500	300	ug/kg	
75-01-4	Vinyl chloride	ND	300	120	ug/kg	
108-05-4	Vinyl Acetate	ND	1500	720	ug/kg	
	m,p-Xylene	ND	600	110	ug/kg	
95-47-6	o-Xylene	ND	300	60	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%	100%	80-121%
2037-26-5	Toluene-D8	97%	91%	71-130%
460-00-4	4-Bromofluorobenzene	102%	100%	59-148%
17060-07-0	1,2-Dichloroethane-D4	103%	112%	77-123%

(a) En Core samples were not preserved within 48 hours.
(b) Result is from Run# 2
(c) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB53-29-a		
Lab Sample ID:	F62060-3	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	82.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	QR045317.D	1	12/17/08	AH	12/09/08 13:16	n/a	GQR1969
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.15 g	5.0 ml	10.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	445	60	30	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	107%		56-136%
98-08-8	aaa-Trifluorotoluene	111%		61-121%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB53-29-a		
Lab Sample ID:	F62060-3	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	82.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10625.D	1	12/18/08	NY	12/10/08	OP27403	GYY380
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.9	5.9	mg/kg	
	TPH (> C22-C36)	ND	9.9	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	99%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB53-35		
Lab Sample ID:	F62060-4	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	89.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054922.D	1	12/17/08	MM	12/09/08 14:45	n/a	VG2074
Run #2							

	Initial Weight
Run #1	5.16 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	54	27	ug/kg	
75-05-8	Acetonitrile	ND	54	17	ug/kg	
107-02-8	Acrolein	ND	27	11	ug/kg	
107-13-1	Acrylonitrile	ND	27	7.5	ug/kg	
107-05-1	Allyl chloride	ND	27	5.4	ug/kg	
71-43-2	Benzene	ND	5.4	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.4	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.4	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.4	1.8	ug/kg	
75-27-4	Bromodichloromethane	ND	5.4	1.3	ug/kg	
75-25-2	Bromoform	ND	5.4	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	5.4	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.4	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.4	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.4	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.4	2.2	ug/kg	
67-66-3	Chloroform	ND	5.4	1.8	ug/kg	
544-10-5	1-Chlorohexane	ND	5.4	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.4	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.4	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	27	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.4	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.4	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.4	2.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.4	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.4	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.4	2.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.4	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	1.6	5.4	1.2	ug/kg	J
78-87-5	1,2-Dichloropropane	ND	5.4	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.4	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.4	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB53-35		
Lab Sample ID:	F62060-4	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	89.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.4	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.4	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.4	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.4	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	27	5.4	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.4	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.4	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.4	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.4	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.4	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.4	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	27	5.4	ug/kg	
76-13-1	Freon 113	ND	5.4	2.8	ug/kg	
591-78-6	2-Hexanone	ND	27	5.4	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.4	1.3	ug/kg	
110-54-3	Hexane	ND	5.4	2.6	ug/kg	
98-82-8	Isopropylbenzene	4.2	5.4	1.2	ug/kg	J
99-87-6	p-Isopropyltoluene	ND	5.4	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	27	7.0	ug/kg	
126-98-7	Methacrylonitrile	ND	27	6.0	ug/kg	
74-83-9	Methyl bromide	ND	5.4	2.4	ug/kg	
74-87-3	Methyl chloride	ND	5.4	2.6	ug/kg	
74-88-4	Methyl iodide	ND	11	2.2	ug/kg	
80-62-6	Methyl methacrylate	ND	27	5.4	ug/kg	
74-95-3	Methylene bromide	ND	5.4	1.6	ug/kg	
75-09-2	Methylene chloride [b]	8.3	11	5.4	ug/kg	JB
78-93-3	Methyl ethyl ketone	ND	27	9.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.4	1.6	ug/kg	
91-20-3	Naphthalene	ND	5.4	2.2	ug/kg	
76-01-7	Pentachloroethane	ND	27	5.4	ug/kg	
107-12-0	Propionitrile	ND	54	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.4	1.3	ug/kg	
100-42-5	Styrene	ND	5.4	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.4	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.4	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.4	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.4	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.4	2.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.4	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.4	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB53-35		
Lab Sample ID:	F62060-4	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	89.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.4	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.4	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.4	1.3	ug/kg	
108-88-3	Toluene	ND	5.4	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.4	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.4	2.2	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	27	5.4	ug/kg	
75-01-4	Vinyl chloride	ND	5.4	2.2	ug/kg	
108-05-4	Vinyl Acetate	ND	27	13	ug/kg	
	m,p-Xylene	ND	11	2.1	ug/kg	
95-47-6	o-Xylene	ND	5.4	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-121%
2037-26-5	Toluene-D8	96%		71-130%
460-00-4	4-Bromofluorobenzene	97%		59-148%
17060-07-0	1,2-Dichloroethane-D4	99%		77-123%

(a) En Core samples were not preserved within 48 hours.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB53-35		
Lab Sample ID:	F62060-4	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	89.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD086467.D	1	12/16/08	JG	12/09/08 14:45	n/a	GCD3636
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.24 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.0	3.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	85%		56-136%
98-08-8	aaa-Trifluorotoluene	80%		61-121%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB53-35		
Lab Sample ID:	F62060-4	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	89.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10626.D	1	12/18/08	NY	12/10/08	OP27403	GYY380
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.1	5.5	mg/kg	
	TPH (> C22-C36)	ND	9.1	5.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	74%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB54-25		
Lab Sample ID:	F62060-5	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054923.D	1	12/17/08	MM	12/09/08 14:45	n/a	VG2074
Run #2							

	Initial Weight
Run #1	5.80 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	49	24	ug/kg	
75-05-8	Acetonitrile	ND	49	16	ug/kg	
107-02-8	Acrolein	ND	24	9.6	ug/kg	
107-13-1	Acrylonitrile	ND	24	6.8	ug/kg	
107-05-1	Allyl chloride	ND	24	4.9	ug/kg	
71-43-2	Benzene	22.2	4.9	0.98	ug/kg	
100-44-7	Benzyl Chloride	ND	4.9	1.1	ug/kg	
108-86-1	Bromobenzene	ND	4.9	0.98	ug/kg	
74-97-5	Bromochloromethane	ND	4.9	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	4.9	1.2	ug/kg	
75-25-2	Bromoform	ND	4.9	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	4.9	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	4.9	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	4.9	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	4.9	0.98	ug/kg	
75-00-3	Chloroethane	ND	4.9	2.0	ug/kg	
67-66-3	Chloroform	ND	4.9	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	4.9	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.9	0.98	ug/kg	
106-43-4	p-Chlorotoluene	ND	4.9	0.98	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	24	9.8	ug/kg	
75-15-0	Carbon disulfide	ND	4.9	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.9	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.9	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.9	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	4.9	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.9	2.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4.9	0.98	ug/kg	
107-06-2	1,2-Dichloroethane	2.7	4.9	1.1	ug/kg	J
78-87-5	1,2-Dichloropropane	ND	4.9	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4.9	0.98	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4.9	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB54-25		
Lab Sample ID:	F62060-5	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	4.9	0.98	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.9	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.9	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.9	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	24	4.9	ug/kg	
541-73-1	m-Dichlorobenzene	ND	4.9	0.98	ug/kg	
95-50-1	o-Dichlorobenzene	ND	4.9	0.98	ug/kg	
106-46-7	p-Dichlorobenzene	ND	4.9	0.98	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	4.9	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.9	0.98	ug/kg	
100-41-4	Ethylbenzene	ND	4.9	0.98	ug/kg	
97-63-2	Ethyl methacrylate	ND	24	4.9	ug/kg	
76-13-1	Freon 113	ND	4.9	2.5	ug/kg	
591-78-6	2-Hexanone	ND	24	4.9	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.9	1.2	ug/kg	
110-54-3	Hexane	ND	4.9	2.3	ug/kg	
98-82-8	Isopropylbenzene	ND	4.9	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	4.9	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	24	6.3	ug/kg	
126-98-7	Methacrylonitrile	ND	24	5.4	ug/kg	
74-83-9	Methyl bromide	ND	4.9	2.2	ug/kg	
74-87-3	Methyl chloride	ND	4.9	2.3	ug/kg	
74-88-4	Methyl iodide	ND	9.8	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	24	4.9	ug/kg	
74-95-3	Methylene bromide	ND	4.9	1.5	ug/kg	
75-09-2	Methylene chloride	ND	9.8	4.9	ug/kg	
78-93-3	Methyl ethyl ketone	ND	24	8.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.9	1.5	ug/kg	
91-20-3	Naphthalene	ND	4.9	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	24	4.9	ug/kg	
107-12-0	Propionitrile	ND	49	12	ug/kg	
103-65-1	n-Propylbenzene	ND	4.9	1.2	ug/kg	
100-42-5	Styrene	ND	4.9	0.98	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.9	0.98	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.9	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.9	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.9	0.98	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.9	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.9	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB54-25		
Lab Sample ID:	F62060-5	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	4.9	0.98	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.9	0.98	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.9	1.2	ug/kg	
108-88-3	Toluene	ND	4.9	0.98	ug/kg	
79-01-6	Trichloroethylene	ND	4.9	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.9	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	24	4.9	ug/kg	
75-01-4	Vinyl chloride	ND	4.9	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	24	12	ug/kg	
	m,p-Xylene	ND	9.8	1.9	ug/kg	
95-47-6	o-Xylene	ND	4.9	0.98	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-121%
2037-26-5	Toluene-D8	94%		71-130%
460-00-4	4-Bromofluorobenzene	97%		59-148%
17060-07-0	1,2-Dichloroethane-D4	106%		77-123%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB54-25		
Lab Sample ID:	F62060-5	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	88.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD086468.D	1	12/16/08	JG	12/09/08 14:45	n/a	GCD3636
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.08 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.3	2.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	80%		56-136%
98-08-8	aaa-Trifluorotoluene	82%		61-121%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB54-25		
Lab Sample ID:	F62060-5	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	88.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10627.D	1	12/18/08	NY	12/10/08	OP27403	GYY380
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.3	5.6	mg/kg	
	TPH (> C22-C36)	ND	9.3	5.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	87%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB54-30		
Lab Sample ID:	F62060-6	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054924.D	1	12/17/08	MM	12/09/08 14:45	n/a	VG2074
Run #2							

	Initial Weight
Run #1	5.35 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	55	27	ug/kg	
75-05-8	Acetonitrile	ND	55	17	ug/kg	
107-02-8	Acrolein	ND	27	11	ug/kg	
107-13-1	Acrylonitrile	ND	27	7.5	ug/kg	
107-05-1	Allyl chloride	ND	27	5.5	ug/kg	
71-43-2	Benzene	ND	5.5	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.5	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.5	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.5	1.9	ug/kg	
75-27-4	Bromodichloromethane	ND	5.5	1.3	ug/kg	
75-25-2	Bromoform	ND	5.5	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	5.5	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.5	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.5	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.5	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.5	2.2	ug/kg	
67-66-3	Chloroform	ND	5.5	1.9	ug/kg	
544-10-5	1-Chlorohexane	ND	5.5	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.5	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.5	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	27	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.5	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.5	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.5	2.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.5	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.5	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.5	2.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.5	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	1.6	5.5	1.2	ug/kg	J
78-87-5	1,2-Dichloropropane	ND	5.5	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.5	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.5	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB54-30		
Lab Sample ID:	F62060-6	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.5	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.5	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.5	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.5	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	27	5.5	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.5	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.5	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.5	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.5	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.5	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.5	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	27	5.5	ug/kg	
76-13-1	Freon 113	ND	5.5	2.8	ug/kg	
591-78-6	2-Hexanone	ND	27	5.5	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.5	1.3	ug/kg	
110-54-3	Hexane	ND	5.5	2.6	ug/kg	
98-82-8	Isopropylbenzene	ND	5.5	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.5	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	27	7.0	ug/kg	
126-98-7	Methacrylonitrile	ND	27	6.0	ug/kg	
74-83-9	Methyl bromide	ND	5.5	2.4	ug/kg	
74-87-3	Methyl chloride	ND	5.5	2.6	ug/kg	
74-88-4	Methyl iodide	ND	11	2.2	ug/kg	
80-62-6	Methyl methacrylate	ND	27	5.5	ug/kg	
74-95-3	Methylene bromide	ND	5.5	1.6	ug/kg	
75-09-2	Methylene chloride [b]	9.3	11	5.5	ug/kg	JB
78-93-3	Methyl ethyl ketone	ND	27	9.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.5	1.6	ug/kg	
91-20-3	Naphthalene	ND	5.5	2.2	ug/kg	
76-01-7	Pentachloroethane	ND	27	5.5	ug/kg	
107-12-0	Propionitrile	ND	55	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.5	1.3	ug/kg	
100-42-5	Styrene	ND	5.5	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.5	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.5	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.5	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.5	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.5	2.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.5	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.5	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB54-30		
Lab Sample ID:	F62060-6	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.5	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.5	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.5	1.3	ug/kg	
108-88-3	Toluene	ND	5.5	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.5	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.5	2.2	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	27	5.5	ug/kg	
75-01-4	Vinyl chloride	ND	5.5	2.2	ug/kg	
108-05-4	Vinyl Acetate	ND	27	13	ug/kg	
	m,p-Xylene	ND	11	2.1	ug/kg	
95-47-6	o-Xylene	ND	5.5	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-121%
2037-26-5	Toluene-D8	92%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	101%		77-123%

(a) En Core samples were not preserved within 48 hours.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB54-30		
Lab Sample ID:	F62060-6	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	85.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD086469.D	1	12/16/08	JG	12/09/08 14:45	n/a	GCD3636
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.21 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.4	3.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	64%		56-136%
98-08-8	aaa-Trifluorotoluene	69%		61-121%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB54-30		
Lab Sample ID:	F62060-6	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	85.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10628.D	1	12/18/08	NY	12/10/08	OP27403	GYY380
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.7	5.8	mg/kg	
	TPH (> C22-C36)	ND	9.7	5.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	84%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB54-31		
Lab Sample ID:	F62060-7	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054925.D	1	12/17/08	MM	12/09/08 14:45	n/a	VG2074
Run #2							

	Initial Weight
Run #1	5.56 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	51	25	ug/kg	
75-05-8	Acetonitrile	ND	51	16	ug/kg	
107-02-8	Acrolein	ND	25	9.9	ug/kg	
107-13-1	Acrylonitrile	ND	25	7.0	ug/kg	
107-05-1	Allyl chloride	ND	25	5.1	ug/kg	
71-43-2	Benzene	ND	5.1	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.1	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.1	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.1	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.1	1.2	ug/kg	
75-25-2	Bromoform	ND	5.1	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.1	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.1	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.1	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.1	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.1	2.0	ug/kg	
67-66-3	Chloroform	ND	5.1	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.1	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.1	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.1	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.1	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.1	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.1	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.1	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.1	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.1	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.1	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.1	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.1	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.1	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.1	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB54-31		
Lab Sample ID:	F62060-7	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.1	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.1	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.1	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.1	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.1	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.1	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.1	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.1	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.1	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.1	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.1	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.1	ug/kg	
76-13-1	Freon 113	ND	5.1	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.1	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.1	1.2	ug/kg	
110-54-3	Hexane	ND	5.1	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.1	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.1	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.5	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.6	ug/kg	
74-83-9	Methyl bromide	ND	5.1	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.1	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.1	ug/kg	
74-95-3	Methylene bromide	ND	5.1	1.5	ug/kg	
75-09-2	Methylene chloride [b]	11.1	10	5.1	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	25	8.4	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.1	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.1	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.1	ug/kg	
107-12-0	Propionitrile	ND	51	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.1	1.2	ug/kg	
100-42-5	Styrene	ND	5.1	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.1	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.1	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.1	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.1	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.1	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.1	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.1	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB54-31		
Lab Sample ID:	F62060-7	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.1	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.1	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.1	1.2	ug/kg	
108-88-3	Toluene	ND	5.1	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.1	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.1	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.1	ug/kg	
75-01-4	Vinyl chloride	ND	5.1	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.1	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-121%
2037-26-5	Toluene-D8	93%		71-130%
460-00-4	4-Bromofluorobenzene	101%		59-148%
17060-07-0	1,2-Dichloroethane-D4	109%		77-123%

(a) En Core samples were not preserved within 48 hours.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB54-31		
Lab Sample ID:	F62060-7	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	88.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD086470.D	1	12/16/08	JG	12/09/08 14:45	n/a	GCD3636
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.34 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.9	3.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	83%		56-136%
98-08-8	aaa-Trifluorotoluene	82%		61-121%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB54-31		
Lab Sample ID:	F62060-7	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	88.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10629.D	1	12/18/08	NY	12/10/08	OP27403	GYY380
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.3	5.6	mg/kg	
	TPH (> C22-C36)	ND	9.3	5.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	82%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F62060-8	**Date Sampled:**	12/07/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/09/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054926.D	1	12/17/08	MM	n/a	n/a	VG2074
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F62060-8	**Date Sampled:**	12/07/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/09/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride [b]	8.3	10	5.0	ug/kg	JB
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F62060-8	**Date Sampled:**	12/07/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/09/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		80-121%
2037-26-5	Toluene-D8	94%		71-130%
460-00-4	4-Bromofluorobenzene	97%		59-148%
17060-07-0	1,2-Dichloroethane-D4	110%		77-123%

(a) En Core samples were not preserved within 48 hours.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

F62060

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

Page 1 of 1

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number (1): 12-08-2008-S

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Zack Beck / G. Kinsman

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code (2)	Sample Number (3)	Sample Matrix (4)	Sample Analysis Requested (5): Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)					Quality Assurance Samples (6): Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
1	SS61-SB53-20	SS61-SB53	07-Dec-2008	0800	18 - 20	N	01	SO	5	X	X	X									5
1	SS61-SB53-20-MS	SS61-SB53	07-Dec-2008	0800	18 - 20	MS	01	SO	5	X	X	X									5
1	SS61-SB53-20-MSD	SS61-SB53	07-Dec-2008	0800	18 - 20	SD	01	SO	5	X	X	X									5
2	SS61-SB53-29	SS61-SB53	07-Dec-2008	0810	27 - 29	N	01	SO	5	X	X	X									5
3	SS61-SB53-29a	SS61-SB53	07-Dec-2008	0810	27 - 29	FD	01	SO	5	X	X	X									5
4	SS61-SB53-35	SS61-SB53	07-Dec-2008	0820	33 - 35	N	01	SO	5	X	X	X									5
5	SS61-SB54-25	SS61-SB54	07-Dec-2008	1005	23 - 25	N	01	SO	5	X	X	X									5
6	SS61-SB54-30	SS61-SB54	07-Dec-2008	1015	28 - 30	N	01	SO	5	X	X	X									5
7	SS61-SB54-31	SS61-SB54	07-Dec-2008	1025	30 - 31	N	01	SO	5	X	X	X									5
8	Trip Blank				-	TB		WQ	3	X											5
					-																

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

Note: VOC encores packed with DRY ICE

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time		Received by (signed)	Date	Time
1.		12/08/08	1400	1.	FX		
2.	FX	12/9/08	9:30	2.	CLR	12/9/08	9:30
3.				3.			

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: Shipped No.:

Method of Shipment: Airbill Number:

Analytical Lab: Accutest Laboratories Delivery Location:

Lab Recipient: Delivery Date/Time:

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

0.2

4.1 4

F62060: Chain of Custody

Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F62060 CLIENT: BHATE PROJECT: SS-61

DATE/TIME RECEIVED: 12/9/08 9:30 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 0.2

METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8683 0096 6715

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [X] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ?

NUMBER OF 5035 FIELD KITS ?

NUMBER OF LAB FILTERED METALS ?

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE 12/9/08 TECHNICIAN SIGNATURE/DATE 12-9-08

ASBD 12/17/07

F62060: Chain of Custody

Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F62060
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2074-MB	G0054907.D	1	12/17/08	MM	n/a	n/a	VG2074

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62060-1, F62060-2, F62060-3, F62060-4, F62060-5, F62060-6, F62060-7, F62060-8

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F62060
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2074-MB	G0054907.D	1	12/17/08	MM	n/a	n/a	VG2074

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62060-1, F62060-2, F62060-3, F62060-4, F62060-5, F62060-6, F62060-7, F62060-8

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	9.5	10	5.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F62060
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2074-MB	G0054907.D	1	12/17/08	MM	n/a	n/a	VG2074

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62060-1, F62060-2, F62060-3, F62060-4, F62060-5, F62060-6, F62060-7, F62060-8

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	80-121%
2037-26-5	Toluene-D8	93%	71-130%
460-00-4	4-Bromofluorobenzene	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	107%	77-123%

Method Blank Summary

Job Number: F62060
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2075-MB	G0054966.D	1	12/18/08	MM	n/a	n/a	VG2075

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62060-2, F62060-3

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	104%	80-121%
2037-26-5	Toluene-D8	91%	71-130%
460-00-4	4-Bromofluorobenzene	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	109%	77-123%

Blank Spike Summary

Job Number: F62060
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2074-BS	G0054906.D	1	12/17/08	MM	n/a	n/a	VG2074

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62060-1, F62060-2, F62060-3, F62060-4, F62060-5, F62060-6, F62060-7, F62060-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	157	63	61-144
75-05-8	Acetonitrile	500	450	90	59-139
107-02-8	Acrolein	250	99.1	40	27-156
107-13-1	Acrylonitrile	250	436	174*	55-144
107-05-1	Allyl chloride	50	51.2	102	41-152
71-43-2	Benzene	50	46.7	93	78-130
100-44-7	Benzyl Chloride	50	38.2	76	74-130
108-86-1	Bromobenzene	50	46.1	92	78-123
74-97-5	Bromochloromethane	50	38.6	77	72-122
75-27-4	Bromodichloromethane	50	42.1	84	73-122
75-25-2	Bromoform	50	34.0	68*	70-139
104-51-8	n-Butylbenzene	50	50.7	101	80-138
135-98-8	sec-Butylbenzene	50	50.2	100	82-132
98-06-6	tert-Butylbenzene	50	48.1	96	79-130
108-90-7	Chlorobenzene	50	47.0	94	83-122
75-00-3	Chloroethane	50	41.2	82	61-153
67-66-3	Chloroform	50	46.1	92	79-129
544-10-5	1-Chlorohexane	50	49.2	98	85-137
95-49-8	o-Chlorotoluene	50	47.3	95	77-123
106-43-4	p-Chlorotoluene	50	48.3	97	78-129
110-75-8	2-Chloroethyl vinyl ether	250	203	81	52-142
75-15-0	Carbon disulfide	50	42.2	84	61-142
56-23-5	Carbon tetrachloride	50	49.2	98	79-135
75-34-3	1,1-Dichloroethane	50	45.8	92	77-132
75-35-4	1,1-Dichloroethylene	50	44.0	88	66-132
563-58-6	1,1-Dichloropropene	50	44.2	88	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	35.0	70	67-129
106-93-4	1,2-Dibromoethane	50	38.8	78	77-126
107-06-2	1,2-Dichloroethane	50	40.7	81	78-129
78-87-5	1,2-Dichloropropane	50	42.1	84	74-127
142-28-9	1,3-Dichloropropane	50	39.4	79	78-118
594-20-7	2,2-Dichloropropane	50	49.2	98	80-137
124-48-1	Dibromochloromethane	50	40.7	81	78-117
75-71-8	Dichlorodifluoromethane	50	26.9	54	35-162
156-59-2	cis-1,2-Dichloroethylene	50	43.3	87	74-123
10061-01-5	cis-1,3-Dichloropropene	50	45.0	90	79-130

Blank Spike Summary

Job Number: F62060
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2074-BS	G0054906.D	1	12/17/08	MM	n/a	n/a	VG2074

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62060-1, F62060-2, F62060-3, F62060-4, F62060-5, F62060-6, F62060-7, F62060-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	37.2	74	71-126
541-73-1	m-Dichlorobenzene	50	46.8	94	82-126
95-50-1	o-Dichlorobenzene	50	45.8	92	83-123
106-46-7	p-Dichlorobenzene	50	48.7	97	84-124
156-60-5	trans-1,2-Dichloroethylene	50	43.4	87	77-129
10061-02-6	trans-1,3-Dichloropropene	50	45.7	91	87-131
100-41-4	Ethylbenzene	50	49.1	98	82-124
97-63-2	Ethyl methacrylate	50	31.6	63*	78-118
76-13-1	Freon 113	50	46.5	93	62-147
591-78-6	2-Hexanone	250	175	70	67-130
87-68-3	Hexachlorobutadiene	50	53.8	108	77-150
110-54-3	Hexane	50	51.2	102	65-147
98-82-8	Isopropylbenzene	50	50.6	101	82-133
99-87-6	p-Isopropyltoluene	50	50.6	101	82-132
108-10-1	4-Methyl-2-pentanone	250	180	72	69-125
126-98-7	Methacrylonitrile	500	374	75	70-138
74-83-9	Methyl bromide	50	39.0	78	60-146
74-87-3	Methyl chloride	50	39.3	79	58-163
74-88-4	Methyl iodide	50	38.3	77	66-128
80-62-6	Methyl methacrylate	50	36.4	73	73-125
74-95-3	Methylene bromide	50	39.7	79	75-128
75-09-2	Methylene chloride	50	46.2	92	62-140
78-93-3	Methyl ethyl ketone	250	164	66	66-134
1634-04-4	Methyl Tert Butyl Ether	50	39.6	79	70-131
91-20-3	Naphthalene	50	39.0	78	59-143
76-01-7	Pentachloroethane	50	50.5	101	64-156
107-12-0	Propionitrile	500	367	73	73-133
103-65-1	n-Propylbenzene	50	49.2	98	78-129
100-42-5	Styrene	50	46.9	94	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	46.7	93	81-121
71-55-6	1,1,1-Trichloroethane	50	45.8	92	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	38.8	78	70-128
79-00-5	1,1,2-Trichloroethane	50	38.9	78	76-118
87-61-6	1,2,3-Trichlorobenzene	50	44.1	88	78-136
96-18-4	1,2,3-Trichloropropane	50	32.1	64*	74-125
120-82-1	1,2,4-Trichlorobenzene	50	48.7	97	82-137

Blank Spike Summary

Job Number: F62060
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2074-BS	G0054906.D	1	12/17/08	MM	n/a	n/a	VG2074

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62060-1, F62060-2, F62060-3, F62060-4, F62060-5, F62060-6, F62060-7, F62060-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	47.5	95	77-129
108-67-8	1,3,5-Trimethylbenzene	50	49.4	99	79-129
127-18-4	Tetrachloroethylene	50	47.5	95	79-132
108-88-3	Toluene	50	45.9	92	80-123
79-01-6	Trichloroethylene	50	45.6	91	78-132
75-69-4	Trichlorofluoromethane	50	43.4	87	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	74.7	149*	74-138
75-01-4	Vinyl chloride	50	38.5	77	60-145
108-05-4	Vinyl Acetate	250	339	136	25-164
	m,p-Xylene	100	98.4	98	82-128
95-47-6	o-Xylene	50	48.5	97	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	80-121%
2037-26-5	Toluene-D8	96%	71-130%
460-00-4	4-Bromofluorobenzene	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	94%	77-123%

Blank Spike Summary

Job Number: F62060
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2075-BS	G0054965.D	1	12/18/08	MM	n/a	n/a	VG2075

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62060-2, F62060-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
98-82-8	Isopropylbenzene	50	51.5	103	82-133

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	95%	80-121%
2037-26-5	Toluene-D8	99%	71-130%
460-00-4	4-Bromofluorobenzene	100%	59-148%
17060-07-0	1,2-Dichloroethane-D4	89%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62060
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62060-1MS	G0054918.D	1	12/17/08	MM	n/a	n/a	VG2074
F62060-1MSD	G0054919.D	1	12/17/08	MM	n/a	n/a	VG2074
F62060-1 [a]	G0054917.D	1	12/17/08	MM	n/a	n/a	VG2074

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62060-1, F62060-2, F62060-3, F62060-4, F62060-5, F62060-6, F62060-7, F62060-8

CAS No.	Compound	F62060-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		254	117	46*	119	47*	2	61-144/29
75-05-8	Acetonitrile	ND		508	383	75	416	82	8	59-139/30
107-02-8	Acrolein	ND		254	ND	0*	ND	0*	nc	27-156/39
107-13-1	Acrylonitrile	ND		254	393	155*	411	163*	4	55-144/24
107-05-1	Allyl chloride	ND		50.8	57.1	112	58.3	115	2	41-152/24
71-43-2	Benzene	ND		50.8	55.2	109	52.7	104	5	78-130/25
100-44-7	Benzyl Chloride	ND		50.8	32.2	63*	33.4	66*	4	74-130/28
108-86-1	Bromobenzene	ND		50.8	57.0	112	53.7	106	6	78-123/30
74-97-5	Bromochloromethane	ND		50.8	45.4	89	44.0	87	3	72-122/23
75-27-4	Bromodichloromethane	ND		50.8	50.0	98	49.3	98	1	73-122/25
75-25-2	Bromoform	ND		50.8	41.5	82	41.4	82	0	70-139/26
104-51-8	n-Butylbenzene	ND		50.8	57.4	113	55.1	109	4	80-138/31
135-98-8	sec-Butylbenzene	ND		50.8	59.7	117	56.2	111	6	82-132/29
98-06-6	tert-Butylbenzene	ND		50.8	57.8	114	55.8	110	4	79-130/29
108-90-7	Chlorobenzene	ND		50.8	55.0	108	52.0	103	6	83-122/23
75-00-3	Chloroethane	ND		50.8	32.8	65	47.3	94	36*	61-153/31
67-66-3	Chloroform	ND		50.8	54.9	108	53.7	106	2	79-129/27
544-10-5	1-Chlorohexane	ND		50.8	53.8	106	52.6	104	2	85-137/29
95-49-8	o-Chlorotoluene	ND		50.8	59.1	116	54.0	107	9	77-123/31
106-43-4	p-Chlorotoluene	ND		50.8	56.6	111	55.2	109	3	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		254	237	93	322	127	30*	52-142/25
75-15-0	Carbon disulfide	ND		50.8	44.1	87	43.9	87	0	61-142/27
56-23-5	Carbon tetrachloride	ND		50.8	55.4	109	49.3	98	12	79-135/29
75-34-3	1,1-Dichloroethane	ND		50.8	53.3	105	52.1	103	2	77-132/26
75-35-4	1,1-Dichloroethylene	ND		50.8	48.6	96	49.8	98	2	66-132/27
563-58-6	1,1-Dichloropropene	ND		50.8	52.3	103	50.0	99	4	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		50.8	44.3	87	43.6	86	2	67-129/29
106-93-4	1,2-Dibromoethane	ND		50.8	47.0	92	45.8	91	3	77-126/24
107-06-2	1,2-Dichloroethane	ND		50.8	48.5	95	48.2	95	1	78-129/24
78-87-5	1,2-Dichloropropane	ND		50.8	53.0	104	48.3	96	9	74-127/27
142-28-9	1,3-Dichloropropane	ND		50.8	47.0	92	44.9	89	5	78-118/26
594-20-7	2,2-Dichloropropane	ND		50.8	43.4	85	44.6	88	3	80-137/28
124-48-1	Dibromochloromethane	ND		50.8	51.4	101	48.8	97	5	78-117/27
75-71-8	Dichlorodifluoromethane	ND		50.8	21.2	42	30.4	60	36*	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		50.8	50.0	98	49.4	98	1	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		50.8	50.8	100	65.8	130	26*	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62060
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62060-1MS	G0054918.D	1	12/17/08	MM	n/a	n/a	VG2074
F62060-1MSD	G0054919.D	1	12/17/08	MM	n/a	n/a	VG2074
F62060-1 [a]	G0054917.D	1	12/17/08	MM	n/a	n/a	VG2074

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62060-1, F62060-2, F62060-3, F62060-4, F62060-5, F62060-6, F62060-7, F62060-8

CAS No.	Compound	F62060-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		50.8	44.9	88	42.9	85	5	71-126/28
541-73-1	m-Dichlorobenzene	ND		50.8	57.8	114	55.1	109	5	82-126/29
95-50-1	o-Dichlorobenzene	ND		50.8	56.5	111	54.3	107	4	83-123/28
106-46-7	p-Dichlorobenzene	ND		50.8	58.6	115	55.3	109	6	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		50.8	49.9	98	50.5	100	1	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		50.8	50.7	100	51.6	102	2	87-131/27
100-41-4	Ethylbenzene	ND		50.8	56.0	110	52.3	103	7	82-124/25
97-63-2	Ethyl methacrylate	ND		50.8	10.4	20*	10	20*	4	78-118/30
76-13-1	Freon 113	ND		50.8	47.6	94	50.8	100	7	62-147/29
591-78-6	2-Hexanone	ND		254	182	72	180	71	1	67-130/29
87-68-3	Hexachlorobutadiene	ND		50.8	62.4	123	58.8	116	6	77-150/36
110-54-3	Hexane	ND		50.8	50.7	100	50.1	99	1	65-147/27
98-82-8	Isopropylbenzene	ND		50.8	57.4	113	56.5	112	2	82-133/27
99-87-6	p-Isopropyltoluene	ND		50.8	60.4	119	56.8	112	6	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		254	214	84	208	82	3	69-125/24
126-98-7	Methacrylonitrile	ND		508	466	92	464	92	0	70-138/22
74-83-9	Methyl bromide	ND		50.8	32.0	63	45.9	91	36*	60-146/31
74-87-3	Methyl chloride	ND		50.8	31.7	62	42.3	84	29*	58-163/26
74-88-4	Methyl iodide	ND		50.8	40.9	80	41.7	82	2	66-128/27
80-62-6	Methyl methacrylate	ND		50.8	51.7	102	50.3	99	3	73-125/24
74-95-3	Methylene bromide	ND		50.8	48.6	96	47.8	95	2	75-128/26
75-09-2	Methylene chloride	6.6	JB	50.8	53.7	93	52.2	90	3	62-140/25
78-93-3	Methyl ethyl ketone	ND		254	145	57*	152	60*	5	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		50.8	43.9	86	45.3	90	3	70-131/25
91-20-3	Naphthalene	ND		50.8	50.8	100	47.3	94	7	59-143/31
76-01-7	Pentachloroethane	ND		50.8	61.9	122	56.4	112	9	64-156/37
107-12-0	Propionitrile	ND		508	443	87	447	88	1	73-133/23
103-65-1	n-Propylbenzene	ND		50.8	58.9	116	55.6	110	6	78-129/29
100-42-5	Styrene	ND		50.8	53.2	105	52.4	104	2	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		50.8	54.9	108	51.0	101	7	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		50.8	52.7	104	52.8	104	0	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		50.8	49.7	98	46.5	92	7	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		50.8	46.8	92	45.0	89	4	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		50.8	54.4	107	52.9	105	3	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		50.8	43.4	85	39.9	79	8	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		50.8	56.1	110	54.2	107	3	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62060
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62060-1MS	G0054918.D	1	12/17/08	MM	n/a	n/a	VG2074
F62060-1MSD	G0054919.D	1	12/17/08	MM	n/a	n/a	VG2074
F62060-1 [a]	G0054917.D	1	12/17/08	MM	n/a	n/a	VG2074

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62060-1, F62060-2, F62060-3, F62060-4, F62060-5, F62060-6, F62060-7, F62060-8

CAS No.	Compound	F62060-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		50.8	59.6	117	55.6	110	7	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		50.8	58.3	115	55.6	110	5	79-129/31
127-18-4	Tetrachloroethylene	ND		50.8	57.9	114	57.2	113	1	79-132/27
108-88-3	Toluene	ND		50.8	52.9	104	51.3	101	3	80-123/26
79-01-6	Trichloroethylene	ND		50.8	53.8	106	51.1	101	5	78-132/28
75-69-4	Trichlorofluoromethane	ND		50.8	35.0	69	47.1	93	29	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		50.8	91.7	180*	84.8	168*	8	74-138/30
75-01-4	Vinyl chloride	ND		50.8	31.4	62	42.3	84	30*	60-145/29
108-05-4	Vinyl Acetate	ND		254	24.9	10*	15.4	6*	47*	25-164/35
	m,p-Xylene	ND		102	112	110	107	106	5	82-128/25
95-47-6	o-Xylene	ND		50.8	54.0	106	52.7	104	2	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F62060-1	Limits
1868-53-7	Dibromofluoromethane	102%	103%	104%	80-121%
2037-26-5	Toluene-D8	99%	99%	95%	71-130%
460-00-4	4-Bromofluorobenzene	101%	98%	93%	59-148%
17060-07-0	1,2-Dichloroethane-D4	99%	90%	110%	77-123%

(a) En Core samples were not preserved within 48 hours.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62060
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62062-1MS	G0054968.D	1	12/18/08	MM	n/a	n/a	VG2075
F62062-1MSD	G0054969.D	1	12/18/08	MM	n/a	n/a	VG2075
F62062-1	G0054967.D	1	12/18/08	MM	n/a	n/a	VG2075

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62060-2, F62060-3

CAS No.	Compound	F62062-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
98-82-8	Isopropylbenzene	ND		56.9	51.0	90	49.3	88	3	82-133/27

CAS No.	Surrogate Recoveries	MS	MSD	F62062-1	Limits
1868-53-7	Dibromofluoromethane	102%	103%	106%	80-121%
2037-26-5	Toluene-D8	95%	97%	95%	71-130%
460-00-4	4-Bromofluorobenzene	101%	99%	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	105%	96%	109%	77-123%

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F62060
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3635-MB	CD086438.D	1	12/15/08	JG	n/a	n/a	GCD3635

The QC reported here applies to the following samples: **Method:** SW846 8015

F62060-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	76%	56-136%
98-08-8	aaa-Trifluorotoluene	78%	61-121%

Method Blank Summary

Job Number: F62060
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3636-MB	CD086463.D	1	12/16/08	JG	n/a	n/a	GCD3636

The QC reported here applies to the following samples: **Method:** SW846 8015

F62060-4, F62060-5, F62060-6, F62060-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	80%	56-136%
98-08-8	aaa-Trifluorotoluene	83%	61-121%

Method Blank Summary

Job Number: F62060
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1969-MB	QR045294.D	1	12/17/08	AH	n/a	n/a	GQR1969

The QC reported here applies to the following samples: **Method:** SW846 8015

F62060-2, F62060-3

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	98%	56-136%
98-08-8	aaa-Trifluorotoluene	83%	61-121%

Blank Spike Summary

Job Number: F62060
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3635-BS	CD086437.D	1	12/15/08	JG	n/a	n/a	GCD3635

The QC reported here applies to the following samples: **Method:** SW846 8015

F62060-1

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	18.0	90	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	106%	56-136%
98-08-8	aaa-Trifluorotoluene	93%	61-121%

Blank Spike Summary

Job Number: F62060
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3636-BS	CD086462.D	1	12/16/08	JG	n/a	n/a	GCD3636

The QC reported here applies to the following samples: **Method:** SW846 8015

F62060-4, F62060-5, F62060-6, F62060-7

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	17.6	88	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	108%	56-136%
98-08-8	aaa-Trifluorotoluene	94%	61-121%

Blank Spike Summary

Job Number: F62060
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1969-BS	QR045293.D	1	12/17/08	AH	n/a	n/a	GQR1969

The QC reported here applies to the following samples: **Method:** SW846 8015

F62060-2, F62060-3

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	19.7	99	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	105%	56-136%
98-08-8	aaa-Trifluorotoluene	98%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62060
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62060-1MS	CD086449.D	1	12/15/08	JG	n/a	n/a	GCD3635
F62060-1MSD	CD086450.D	1	12/15/08	JG	n/a	n/a	GCD3635
F62060-1 [a]	CD086452.D	1	12/15/08	JG	n/a	n/a	GCD3635

The QC reported here applies to the following samples: **Method:** SW846 8015

F62060-1

CAS No.	Compound	F62060-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		23.9	22.0	92	20.9	87	5	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F62060-1	Limits
460-00-4	4-Bromofluorobenzene	107%	103%	81%	56-136%
98-08-8	aaa-Trifluorotoluene	91%	90%	78%	61-121%

(a) En Core samples were not preserved within 48 hours.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62060
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61975-4MS	CD086482.D	1	12/16/08	JG	n/a	n/a	GCD3636
F61975-4MSD	CD086483.D	1	12/16/08	JG	n/a	n/a	GCD3636
F61975-4	CD086475.D	1	12/16/08	JG	n/a	n/a	GCD3636

The QC reported here applies to the following samples: **Method:** SW846 8015

F62060-4, F62060-5, F62060-6, F62060-7

CAS No.	Compound	F61975-4 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		23	20.9	91	19.6	85	6	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61975-4	Limits
460-00-4	4-Bromofluorobenzene	110%	105%	79%	56-136%
98-08-8	aaa-Trifluorotoluene	93%	91%	80%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62060
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62034-1MS	QR045318.D	1	12/17/08	AH	n/a	n/a	GQR1969
F62034-1MSD	QR045319.D	1	12/17/08	AH	n/a	n/a	GQR1969
F62034-1 [a]	QR045310.D	1	12/17/08	AH	n/a	n/a	GQR1969

The QC reported here applies to the following samples: **Method:** SW846 8015

F62060-2, F62060-3

CAS No.	Compound	F62034-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		24.2	22.3	92	23.4	97	5	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F62034-1	Limits
460-00-4	4-Bromofluorobenzene	86%	92%	78%	56-136%
98-08-8	aaa-Trifluorotoluene	93%	96%	81%	61-121%

(a) Confirmation run.

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F62060
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27403-MB	YY10618.D	1	12/18/08	NY	12/10/08	OP27403	GYY380

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62060-1, F62060-2, F62060-3, F62060-4, F62060-5, F62060-6, F62060-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	96%	49-108%

Method Blank Summary

Job Number: F62060
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27403-MB	LL24636.D	1	12/19/08	NY	12/10/08	OP27403	GLL918

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62060-1, F62060-2, F62060-3, F62060-4, F62060-5, F62060-6, F62060-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	87%	49-108%

Blank Spike Summary

Job Number: F62060
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27403-BS	YY10617.D	1	12/18/08	NY	12/10/08	OP27403	GYY380

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62060-1, F62060-2, F62060-3, F62060-4, F62060-5, F62060-6, F62060-7

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	34.5	104*	64-102
	TPH (> C22-C36)	33.3	36.6	110	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	100%	49-108%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62060
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27403-MS	YY10622.D	1	12/18/08	NY	12/10/08	OP27403	GYY380
OP27403-MSD	YY10623.D	1	12/18/08	NY	12/10/08	OP27403	GYY380
F62060-1	YY10619.D	1	12/18/08	NY	12/10/08	OP27403	GYY380

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62060-1, F62060-2, F62060-3, F62060-4, F62060-5, F62060-6, F62060-7

CAS No.	Compound	F62060-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		38.6	36.2	94	32.0	84	12	64-102/32
	TPH (> C22-C36)	ND		38.6	35.7	92	36.1	95	1	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F62060-1	Limits
84-15-1	o-Terphenyl	91%	83%	85%	49-108%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

01/05/09

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F62061

Sampling Date: 12/05/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **78**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Note: This report is password protected to disallow document modification or assembly.
A password to unlock this report is available from your client service representative.

Sections: 1 2 3 4 5 6 7

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F62061-1: SS61-SB49-20 7
3.2: F62061-2: SS61-SB49-30 12
3.3: F62061-3: SS61-SB49-35 17
3.4: F62061-4: SS61-SB50-20 22
3.5: F62061-5: SS61-SB50-29 27
3.6: F62061-6: SS61-SB50-29-a 32
3.7: F62061-7: SS61-SB50-35 37
3.8: F62061-8: TRIP BLANK 42
Section 4: Misc. Forms **45**
4.1: Chain of Custody 46
Section 5: GC/MS Volatiles - QC Data Summaries **48**
5.1: Method Blank Summary 49
5.2: Blank Spike Summary 53
5.3: Matrix Spike/Matrix Spike Duplicate Summary 57
Section 6: GC Volatiles - QC Data Summaries **61**
6.1: Method Blank Summary 62
6.2: Blank Spike Summary 66
6.3: Matrix Spike/Matrix Spike Duplicate Summary 70
Section 7: GC Semi-volatiles - QC Data Summaries **74**
7.1: Method Blank Summary 75
7.2: Blank Spike Summary 77
7.3: Matrix Spike/Matrix Spike Duplicate Summary 78

Sample Summary

North Wind, Inc

Job No: F62061

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F62061-1	12/05/08	13:40	ZB	12/09/08	SO	Soil	SS61-SB49-20
F62061-2	12/05/08	13:55	ZB	12/09/08	SO	Soil	SS61-SB49-30
F62061-3	12/05/08	14:10	ZB	12/09/08	SO	Soil	SS61-SB49-35
F62061-4	12/05/08	15:05	ZB	12/09/08	SO	Soil	SS61-SB50-20
F62061-5	12/05/08	15:20	ZB	12/09/08	SO	Soil	SS61-SB50-29
F62061-6	12/05/08	15:20	ZB	12/09/08	SO	Soil	SS61-SB50-29-a
F62061-7	12/05/08	15:35	ZB	12/09/08	SO	Soil	SS61-SB50-35
F62061-8	12/05/08	00:00	ZB	12/09/08	SO	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F62061

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 1/2/2009 1:48:53 PM

7 Samples, 1 Trip Blank were collected on 12/05/2008 and received at Accutest on 12/09/2008 properly preserved, at 0.2 Deg. C and intact. These Samples received an Accutest job number of F62061. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2073

All samples were analyzed within the recommended method holding time.

Sample(s) F62034-1MS, F62034-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for Acetone, Acrolein, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for 1,2,3-Trichloropropane, Acetone, Acrolein, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,2,3-Trichloropropane, Acetone, Acrolein, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

F62061-2: Soil vials were not preserved within 48 hours of sampling; results are considered minimum values.

F62061-7: En Core samples were not preserved within 48 hours.

F62061-3: Sample was prepared from a bulk container but was not preserved within 48 hours of sampling.

F62061-4: En Core samples were not preserved within 48 hours.

F62061-1: En Core samples were not preserved within 48 hours.

F62061-5: En Core samples were not preserved within 48 hours.

F62061-8: Soil vials were not preserved within 48 hours of sampling; results are considered minimum values.

F62061-6: En Core samples were not preserved within 48 hours.

F62061-1 for Methylene chloride: Suspected laboratory contaminant.

F62061-3 for Methylene chloride: Suspected laboratory contaminant.

F62061-7 for Methylene chloride: Suspected laboratory contaminant.

F62061-2 for Methylene chloride: Suspected laboratory contaminant.

F62061-4 for Methylene chloride: Suspected laboratory contaminant.

Matrix: SO **Batch ID:** VG2074

All samples were analyzed within the recommended method holding time.

Sample(s) F62060-1MS, F62060-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GCD3634

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F62063-1MS, F62063-1MSD were used as the QC samples indicated.

Matrix: SO **Batch ID:** GCD3635

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F62060-1MS, F62060-1MSD were used as the QC samples indicated.

F62061-7: En Core samples were not preserved within 48 hours.

F62061-4: En Core samples were not preserved within 48 hours.

F62061-3: En Core samples were not preserved within 48 hours.

Matrix: SO **Batch ID:** GCD3636

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61975-4MS, F61975-4MSD were used as the QC samples indicated.

F62061-6: En Core samples were not preserved within 48 hours.

F62061-5: En Core samples were not preserved within 48 hours.

Matrix: SO **Batch ID:** GQR1969

All samples were analyzed within the recommended method holding time.

Sample(s) F62034-1MS, F62034-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

F62061-2: En Core samples were not preserved within 48 hours.

Extractables by GC By Method SW846 8015 M

Matrix: SO **Batch ID:** OP27403

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F62060-1MS, F62060-1MSD were used as the QC samples indicated.

Blank Spike Recovery(s) for TPH (C10-C22) are outside control limits.

F62061-6: Confirmed by re-extraction and reanalysis beyond holdtime.

F62061-6 for TPH (C10-C22): Petroleum hydrocarbon pattern begins before C10.

Matrix: SO **Batch ID:** OP27577

The following samples were extracted outside of holding time for method SW846 8015 M: F62061-6

F62061-6: Confirmation run.

Wet Chemistry By Method SM19 2540B M

Matrix: SO **Batch ID:** GN33102

Sample(s) F62060-1DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: January 02, 2009

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-SB49-20		
Lab Sample ID:	F62061-1	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054884.D	1	12/16/08	MM	12/09/08 14:45	n/a	VG2073
Run #2							

	Initial Weight
Run #1	5.68 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	51	26	ug/kg	
75-05-8	Acetonitrile	ND	51	16	ug/kg	
107-02-8	Acrolein	ND	26	10	ug/kg	
107-13-1	Acrylonitrile	ND	26	7.1	ug/kg	
107-05-1	Allyl chloride	ND	26	5.1	ug/kg	
71-43-2	Benzene	ND	5.1	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.1	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.1	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.1	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.1	1.2	ug/kg	
75-25-2	Bromoform	ND	5.1	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.1	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.1	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.1	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.1	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.1	2.0	ug/kg	
67-66-3	Chloroform	ND	5.1	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.1	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.1	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.1	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	26	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.1	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.1	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.1	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.1	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.1	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.1	2.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.1	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.1	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.1	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.1	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.1	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB49-20		
Lab Sample ID:	F62061-1	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.1	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.1	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.1	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.1	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	26	5.1	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.1	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.1	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.1	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.1	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.1	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.1	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	26	5.1	ug/kg	
76-13-1	Freon 113	ND	5.1	2.7	ug/kg	
591-78-6	2-Hexanone	ND	26	5.1	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.1	1.2	ug/kg	
110-54-3	Hexane	ND	5.1	2.5	ug/kg	
98-82-8	Isopropylbenzene	ND	5.1	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.1	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	26	6.5	ug/kg	
126-98-7	Methacrylonitrile	ND	26	5.6	ug/kg	
74-83-9	Methyl bromide	ND	5.1	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.1	2.5	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	26	5.1	ug/kg	
74-95-3	Methylene bromide	ND	5.1	1.5	ug/kg	
75-09-2	Methylene chloride [b]	8.6	10	5.1	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	26	8.5	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.1	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.1	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	26	5.1	ug/kg	
107-12-0	Propionitrile	ND	51	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.1	1.2	ug/kg	
100-42-5	Styrene	ND	5.1	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.1	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.1	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.1	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.1	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.1	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.1	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.1	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB49-20		
Lab Sample ID:	F62061-1	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.1	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.1	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.1	1.2	ug/kg	
108-88-3	Toluene	ND	5.1	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.1	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.1	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	26	5.1	ug/kg	
75-01-4	Vinyl chloride	ND	5.1	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	26	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.1	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-121%
2037-26-5	Toluene-D8	93%		71-130%
460-00-4	4-Bromofluorobenzene	101%		59-148%
17060-07-0	1,2-Dichloroethane-D4	103%		77-123%

(a) En Core samples were not preserved within 48 hours.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB49-20		
Lab Sample ID:	F62061-1	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	86.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD086428.D	1	12/12/08	JG	12/09/08 14:45	n/a	GCD3634
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.40 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.2	3.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	86%		56-136%
98-08-8	aaa-Trifluorotoluene	81%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB49-20		
Lab Sample ID:	F62061-1	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	86.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10630.D	1	12/18/08	NY	12/10/08	OP27403	GYY380
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.6	5.7	mg/kg	
	TPH (> C22-C36)	ND	9.6	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	94%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB49-30		
Lab Sample ID:	F62061-2	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054885.D	1	12/16/08	MM	12/09/08 14:45	n/a	VG2073
Run #2	G0054912.D	1	12/17/08	MM	12/09/08 14:45	n/a	VG2074

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.00 g		
Run #2	5.13 g	5.0 ml	100 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	167	60	30	ug/kg	
75-05-8	Acetonitrile	ND	60	19	ug/kg	
107-02-8	Acrolein	ND	30	12	ug/kg	
107-13-1	Acrylonitrile	ND	30	8.3	ug/kg	
107-05-1	Allyl chloride	ND	30	6.0	ug/kg	
71-43-2	Benzene	802 [b]	350	69	ug/kg	
100-44-7	Benzyl Chloride	ND	6.0	1.3	ug/kg	
108-86-1	Bromobenzene	ND	6.0	1.2	ug/kg	
74-97-5	Bromochloromethane	ND	6.0	2.1	ug/kg	
75-27-4	Bromodichloromethane	ND	6.0	1.4	ug/kg	
75-25-2	Bromoform	ND	6.0	1.8	ug/kg	
104-51-8	n-Butylbenzene	ND	6.0	1.7	ug/kg	
135-98-8	sec-Butylbenzene	41.3	6.0	1.3	ug/kg	
98-06-6	tert-Butylbenzene	20.0	6.0	1.3	ug/kg	
108-90-7	Chlorobenzene	ND	6.0	1.2	ug/kg	
75-00-3	Chloroethane	ND	6.0	2.4	ug/kg	
67-66-3	Chloroform	ND	6.0	2.1	ug/kg	
544-10-5	1-Chlorohexane	ND	6.0	1.6	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.0	1.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.0	1.2	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	30	12	ug/kg	
75-15-0	Carbon disulfide	4.3	6.0	1.3	ug/kg	J
56-23-5	Carbon tetrachloride	ND	6.0	1.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.0	2.4	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.0	1.6	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.0	1.7	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.0	2.9	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.0	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	3.1	6.0	1.3	ug/kg	J
78-87-5	1,2-Dichloropropane	ND	6.0	1.7	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.0	1.2	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.0	2.5	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB49-30		
Lab Sample ID:	F62061-2	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	6.0	1.2	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.0	2.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.0	1.9	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.0	1.6	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	30	6.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.0	1.2	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.0	1.2	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.0	1.2	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.0	1.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.0	1.2	ug/kg	
100-41-4	Ethylbenzene	463 [b]	350	69	ug/kg	
97-63-2	Ethyl methacrylate	ND	30	6.0	ug/kg	
76-13-1	Freon 113	ND	6.0	3.1	ug/kg	
591-78-6	2-Hexanone	ND	30	6.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.0	1.4	ug/kg	
110-54-3	Hexane	ND	6.0	2.9	ug/kg	
98-82-8	Isopropylbenzene	2810 [b]	350	76	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.0	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	30	7.7	ug/kg	
126-98-7	Methacrylonitrile	ND	30	6.6	ug/kg	
74-83-9	Methyl bromide	ND	6.0	2.7	ug/kg	
74-87-3	Methyl chloride	ND	6.0	2.9	ug/kg	
74-88-4	Methyl iodide	ND	12	2.4	ug/kg	
80-62-6	Methyl methacrylate	ND	30	6.0	ug/kg	
74-95-3	Methylene bromide	ND	6.0	1.8	ug/kg	
75-09-2	Methylene chloride [c]	8.6	12	6.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	30	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.0	1.8	ug/kg	
91-20-3	Naphthalene	ND	6.0	2.4	ug/kg	
76-01-7	Pentachloroethane	ND	30	6.0	ug/kg	
107-12-0	Propionitrile	ND	60	14	ug/kg	
103-65-1	n-Propylbenzene	91.2	6.0	1.4	ug/kg	
100-42-5	Styrene	ND	6.0	1.2	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.0	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.0	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.0	2.2	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.0	1.2	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.0	2.4	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.0	2.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.0	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB49-30		
Lab Sample ID:	F62061-2	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	6.0	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.0	1.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.0	1.4	ug/kg	
108-88-3	Toluene	ND	6.0	1.2	ug/kg	
79-01-6	Trichloroethylene	ND	6.0	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.0	2.4	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	30	6.0	ug/kg	
75-01-4	Vinyl chloride	ND	6.0	2.4	ug/kg	
108-05-4	Vinyl Acetate	ND	30	14	ug/kg	
	m,p-Xylene	ND	12	2.3	ug/kg	
95-47-6	o-Xylene	ND	6.0	1.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%	97%	80-121%
2037-26-5	Toluene-D8	113%	95%	71-130%
460-00-4	4-Bromofluorobenzene	97%	96%	59-148%
17060-07-0	1,2-Dichloroethane-D4	105%	109%	77-123%

(a) Soil vials were not preserved within 48 hours of sampling; results are considered minimum values.
(b) Result is from Run# 2
(c) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB49-30		
Lab Sample ID:	F62061-2	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	82.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	QR045311.D	1	12/17/08	AH	12/09/08 14:45	n/a	GQR1969
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.13 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	51.2	6.9	3.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	107%		56-136%
98-08-8	aaa-Trifluorotoluene	103%		61-121%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB49-30		
Lab Sample ID:	F62061-2	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	82.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10631.D	1	12/18/08	NY	12/10/08	OP27403	GYY380
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.9	6.0	mg/kg	
	TPH (> C22-C36)	ND	9.9	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	87%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB49-35		
Lab Sample ID:	F62061-3	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054886.D	1	12/16/08	MM	12/09/08 14:45	n/a	VG2073
Run #2							

	Initial Weight
Run #1	5.20 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	55	28	ug/kg	
75-05-8	Acetonitrile	ND	55	18	ug/kg	
107-02-8	Acrolein	ND	28	11	ug/kg	
107-13-1	Acrylonitrile	ND	28	7.6	ug/kg	
107-05-1	Allyl chloride	ND	28	5.5	ug/kg	
71-43-2	Benzene	ND	5.5	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.5	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.5	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.5	1.9	ug/kg	
75-27-4	Bromodichloromethane	ND	5.5	1.3	ug/kg	
75-25-2	Bromoform	ND	5.5	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	5.5	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.5	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.5	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.5	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.5	2.2	ug/kg	
67-66-3	Chloroform	ND	5.5	1.9	ug/kg	
544-10-5	1-Chlorohexane	ND	5.5	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.5	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.5	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	28	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.5	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.5	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.5	2.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.5	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.5	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.5	2.7	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.5	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.5	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.5	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.5	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.5	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB49-35		
Lab Sample ID:	F62061-3	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.5	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.5	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.5	1.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.5	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	28	5.5	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.5	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.5	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.5	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.5	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.5	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.5	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	28	5.5	ug/kg	
76-13-1	Freon 113	ND	5.5	2.9	ug/kg	
591-78-6	2-Hexanone	ND	28	5.5	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.5	1.3	ug/kg	
110-54-3	Hexane	ND	5.5	2.7	ug/kg	
98-82-8	Isopropylbenzene	1.5	5.5	1.2	ug/kg	J
99-87-6	p-Isopropyltoluene	ND	5.5	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	28	7.1	ug/kg	
126-98-7	Methacrylonitrile	ND	28	6.1	ug/kg	
74-83-9	Methyl bromide	ND	5.5	2.4	ug/kg	
74-87-3	Methyl chloride	ND	5.5	2.7	ug/kg	
74-88-4	Methyl iodide	ND	11	2.2	ug/kg	
80-62-6	Methyl methacrylate	ND	28	5.5	ug/kg	
74-95-3	Methylene bromide	ND	5.5	1.7	ug/kg	
75-09-2	Methylene chloride [b]	30.1	11	5.5	ug/kg	
78-93-3	Methyl ethyl ketone	ND	28	9.2	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.5	1.7	ug/kg	
91-20-3	Naphthalene	ND	5.5	2.2	ug/kg	
76-01-7	Pentachloroethane	ND	28	5.5	ug/kg	
107-12-0	Propionitrile	ND	55	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.5	1.3	ug/kg	
100-42-5	Styrene	ND	5.5	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.5	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.5	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.5	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.5	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.5	2.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.5	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.5	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB49-35		
Lab Sample ID:	F62061-3	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.5	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.5	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.5	1.3	ug/kg	
108-88-3	Toluene	ND	5.5	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.5	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.5	2.2	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	28	5.5	ug/kg	
75-01-4	Vinyl chloride	ND	5.5	2.2	ug/kg	
108-05-4	Vinyl Acetate	ND	28	13	ug/kg	
	m,p-Xylene	ND	11	2.1	ug/kg	
95-47-6	o-Xylene	ND	5.5	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-121%
2037-26-5	Toluene-D8	93%		71-130%
460-00-4	4-Bromofluorobenzene	96%		59-148%
17060-07-0	1,2-Dichloroethane-D4	105%		77-123%

(a) Sample was prepared from a bulk container but was not preserved within 48 hours of sampling.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB49-35		
Lab Sample ID:	F62061-3	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	86.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD086440.D	1	12/15/08	JG	12/09/08 14:45	n/a	GCD3635
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.46 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.0	3.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	79%		56-136%
98-08-8	aaa-Trifluorotoluene	80%		61-121%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB49-35		
Lab Sample ID:	F62061-3	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	86.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10635.D	1	12/18/08	NY	12/10/08	OP27403	GYY380
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.5	5.7	mg/kg	
	TPH (> C22-C36)	ND	9.5	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB50-20		
Lab Sample ID:	F62061-4	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054887.D	1	12/16/08	MM	12/09/08 15:34	n/a	VG2073
Run #2							

	Initial Weight
Run #1	5.74 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	51	26	ug/kg	
75-05-8	Acetonitrile	ND	51	16	ug/kg	
107-02-8	Acrolein	ND	26	10	ug/kg	
107-13-1	Acrylonitrile	ND	26	7.1	ug/kg	
107-05-1	Allyl chloride	ND	26	5.1	ug/kg	
71-43-2	Benzene	ND	5.1	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.1	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.1	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.1	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.1	1.2	ug/kg	
75-25-2	Bromoform	ND	5.1	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.1	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.1	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.1	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.1	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.1	2.0	ug/kg	
67-66-3	Chloroform	ND	5.1	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.1	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.1	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.1	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	26	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.1	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.1	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.1	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.1	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.1	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.1	2.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.1	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.1	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.1	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.1	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.1	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB50-20		
Lab Sample ID:	F62061-4	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.1	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.1	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.1	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.1	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	26	5.1	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.1	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.1	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.1	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.1	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.1	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.1	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	26	5.1	ug/kg	
76-13-1	Freon 113	ND	5.1	2.7	ug/kg	
591-78-6	2-Hexanone	ND	26	5.1	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.1	1.2	ug/kg	
110-54-3	Hexane	ND	5.1	2.5	ug/kg	
98-82-8	Isopropylbenzene	ND	5.1	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.1	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	26	6.5	ug/kg	
126-98-7	Methacrylonitrile	ND	26	5.6	ug/kg	
74-83-9	Methyl bromide	ND	5.1	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.1	2.5	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	26	5.1	ug/kg	
74-95-3	Methylene bromide	ND	5.1	1.5	ug/kg	
75-09-2	Methylene chloride [b]	9.1	10	5.1	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	26	8.5	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.1	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.1	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	26	5.1	ug/kg	
107-12-0	Propionitrile	ND	51	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.1	1.2	ug/kg	
100-42-5	Styrene	ND	5.1	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.1	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.1	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.1	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.1	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.1	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.1	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.1	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB50-20		
Lab Sample ID:	F62061-4	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.1	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.1	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.1	1.2	ug/kg	
108-88-3	Toluene	ND	5.1	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.1	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.1	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	26	5.1	ug/kg	
75-01-4	Vinyl chloride	ND	5.1	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	26	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.1	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-121%
2037-26-5	Toluene-D8	95%		71-130%
460-00-4	4-Bromofluorobenzene	101%		59-148%
17060-07-0	1,2-Dichloroethane-D4	105%		77-123%

(a) En Core samples were not preserved within 48 hours.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB50-20		
Lab Sample ID:	F62061-4	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	85.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD086441.D	1	12/15/08	JG	12/09/08 15:34	n/a	GCD3635
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.53 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.2	3.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	79%		56-136%
98-08-8	aaa-Trifluorotoluene	84%		61-121%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB50-20		
Lab Sample ID:	F62061-4	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	85.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10636.D	1	12/18/08	NY	12/10/08	OP27403	GYY380
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.7	5.8	mg/kg	
	TPH (> C22-C36)	ND	9.7	5.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	88%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB50-29		
Lab Sample ID:	F62061-5	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	78.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054888.D	1	12/16/08	MM	12/09/08 15:34	n/a	VG2073
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.54 g	5.0 ml	10.0 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	35000	18000	ug/kg	
75-05-8	Acetonitrile	ND	35000	11000	ug/kg	
107-02-8	Acrolein	ND	18000	6900	ug/kg	
107-13-1	Acrylonitrile	ND	18000	4900	ug/kg	
107-05-1	Allyl chloride	ND	18000	3500	ug/kg	
71-43-2	Benzene	1470	3500	710	ug/kg	J
100-44-7	Benzyl Chloride	ND	3500	780	ug/kg	
108-86-1	Bromobenzene	ND	3500	710	ug/kg	
74-97-5	Bromochloromethane	ND	3500	1200	ug/kg	
75-27-4	Bromodichloromethane	ND	3500	850	ug/kg	
75-25-2	Bromoform	ND	3500	1100	ug/kg	
104-51-8	n-Butylbenzene	ND	3500	990	ug/kg	
135-98-8	sec-Butylbenzene	2230	3500	780	ug/kg	J
98-06-6	tert-Butylbenzene	946	3500	780	ug/kg	J
108-90-7	Chlorobenzene	ND	3500	710	ug/kg	
75-00-3	Chloroethane	ND	3500	1400	ug/kg	
67-66-3	Chloroform	ND	3500	1200	ug/kg	
544-10-5	1-Chlorohexane	ND	3500	920	ug/kg	
95-49-8	o-Chlorotoluene	ND	3500	710	ug/kg	
106-43-4	p-Chlorotoluene	ND	3500	710	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	18000	7100	ug/kg	
75-15-0	Carbon disulfide	ND	3500	780	ug/kg	
56-23-5	Carbon tetrachloride	ND	3500	990	ug/kg	
75-34-3	1,1-Dichloroethane	ND	3500	1400	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	3500	920	ug/kg	
563-58-6	1,1-Dichloropropene	ND	3500	990	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	3500	1700	ug/kg	
106-93-4	1,2-Dibromoethane	ND	3500	710	ug/kg	
107-06-2	1,2-Dichloroethane	ND	3500	780	ug/kg	
78-87-5	1,2-Dichloropropane	ND	3500	990	ug/kg	
142-28-9	1,3-Dichloropropane	ND	3500	710	ug/kg	
594-20-7	2,2-Dichloropropane	ND	3500	1500	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB50-29		
Lab Sample ID:	F62061-5	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	78.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	3500	710	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	3500	1400	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	3500	1100	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3500	920	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	18000	3500	ug/kg	
541-73-1	m-Dichlorobenzene	ND	3500	710	ug/kg	
95-50-1	o-Dichlorobenzene	ND	3500	710	ug/kg	
106-46-7	p-Dichlorobenzene	ND	3500	710	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	3500	850	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3500	710	ug/kg	
100-41-4	Ethylbenzene	23000	3500	710	ug/kg	
97-63-2	Ethyl methacrylate	ND	18000	3500	ug/kg	
76-13-1	Freon 113	ND	3500	1800	ug/kg	
591-78-6	2-Hexanone	ND	18000	3500	ug/kg	
87-68-3	Hexachlorobutadiene	ND	3500	850	ug/kg	
110-54-3	Hexane	ND	3500	1700	ug/kg	
98-82-8	Isopropylbenzene	108000	3500	780	ug/kg	
99-87-6	p-Isopropyltoluene	ND	3500	780	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	18000	4500	ug/kg	
126-98-7	Methacrylonitrile	ND	18000	3900	ug/kg	
74-83-9	Methyl bromide	ND	3500	1600	ug/kg	
74-87-3	Methyl chloride	ND	3500	1700	ug/kg	
74-88-4	Methyl iodide	ND	7100	1400	ug/kg	
80-62-6	Methyl methacrylate	ND	18000	3500	ug/kg	
74-95-3	Methylene bromide	ND	3500	1100	ug/kg	
75-09-2	Methylene chloride	ND	7100	3500	ug/kg	
78-93-3	Methyl ethyl ketone	ND	18000	5900	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	3500	1100	ug/kg	
91-20-3	Naphthalene	ND	3500	1400	ug/kg	
76-01-7	Pentachloroethane	ND	18000	3500	ug/kg	
107-12-0	Propionitrile	ND	35000	8500	ug/kg	
103-65-1	n-Propylbenzene	5230	3500	850	ug/kg	
100-42-5	Styrene	ND	3500	710	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	3500	710	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	3500	780	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3500	1300	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	3500	710	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	3500	1400	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	3500	1300	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	3500	1400	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB50-29		
Lab Sample ID:	F62061-5	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	78.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	1080	3500	710	ug/kg	J
108-67-8	1,3,5-Trimethylbenzene	ND	3500	710	ug/kg	
127-18-4	Tetrachloroethylene	ND	3500	850	ug/kg	
108-88-3	Toluene	ND	3500	710	ug/kg	
79-01-6	Trichloroethylene	ND	3500	850	ug/kg	
75-69-4	Trichlorofluoromethane	ND	3500	1400	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	18000	3500	ug/kg	
75-01-4	Vinyl chloride	ND	3500	1400	ug/kg	
108-05-4	Vinyl Acetate	ND	18000	8500	ug/kg	
	m,p-Xylene	ND	7100	1300	ug/kg	
95-47-6	o-Xylene	1150	3500	710	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-121%
2037-26-5	Toluene-D8	97%		71-130%
460-00-4	4-Bromofluorobenzene	96%		59-148%
17060-07-0	1,2-Dichloroethane-D4	104%		77-123%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB50-29		
Lab Sample ID:	F62061-5	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	78.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD086480.D	1	12/16/08	JG	12/09/08 15:34	n/a	GCD3636
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.54 g	5.0 ml	2.5 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	2020	280	140	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	97%		56-136%
98-08-8	aaa-Trifluorotoluene	114%		61-121%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB50-29		
Lab Sample ID:	F62061-5	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	78.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10637.D	1	12/18/08	NY	12/10/08	OP27403	GYY380
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.2	mg/kg	
	TPH (> C22-C36)	ND	10	6.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	91%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB50-29-a		
Lab Sample ID:	F62061-6	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	72.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054889.D	1	12/16/08	MM	12/09/08 15:34	n/a	VG2073
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.50 g	5.0 ml	10.0 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	40000	20000	ug/kg	
75-05-8	Acetonitrile	ND	40000	13000	ug/kg	
107-02-8	Acrolein	ND	20000	7900	ug/kg	
107-13-1	Acrylonitrile	ND	20000	5600	ug/kg	
107-05-1	Allyl chloride	ND	20000	4000	ug/kg	
71-43-2	Benzene	1090	4000	810	ug/kg	J
100-44-7	Benzyl Chloride	ND	4000	890	ug/kg	
108-86-1	Bromobenzene	ND	4000	810	ug/kg	
74-97-5	Bromochloromethane	ND	4000	1400	ug/kg	
75-27-4	Bromodichloromethane	ND	4000	970	ug/kg	
75-25-2	Bromoform	ND	4000	1200	ug/kg	
104-51-8	n-Butylbenzene	ND	4000	1100	ug/kg	
135-98-8	sec-Butylbenzene	2040	4000	890	ug/kg	J
98-06-6	tert-Butylbenzene	ND	4000	890	ug/kg	
108-90-7	Chlorobenzene	ND	4000	810	ug/kg	
75-00-3	Chloroethane	ND	4000	1600	ug/kg	
67-66-3	Chloroform	ND	4000	1400	ug/kg	
544-10-5	1-Chlorohexane	ND	4000	1100	ug/kg	
95-49-8	o-Chlorotoluene	ND	4000	810	ug/kg	
106-43-4	p-Chlorotoluene	ND	4000	810	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	20000	8100	ug/kg	
75-15-0	Carbon disulfide	ND	4000	890	ug/kg	
56-23-5	Carbon tetrachloride	ND	4000	1100	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4000	1600	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4000	1100	ug/kg	
563-58-6	1,1-Dichloropropene	ND	4000	1100	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4000	1900	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4000	810	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4000	890	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4000	1100	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4000	810	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4000	1700	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB50-29-a		
Lab Sample ID:	F62061-6	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	72.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	4000	810	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4000	1600	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4000	1300	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4000	1100	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	20000	4000	ug/kg	
541-73-1	m-Dichlorobenzene	ND	4000	810	ug/kg	
95-50-1	o-Dichlorobenzene	ND	4000	810	ug/kg	
106-46-7	p-Dichlorobenzene	ND	4000	810	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	4000	970	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4000	810	ug/kg	
100-41-4	Ethylbenzene	17600	4000	810	ug/kg	
97-63-2	Ethyl methacrylate	ND	20000	4000	ug/kg	
76-13-1	Freon 113	ND	4000	2100	ug/kg	
591-78-6	2-Hexanone	ND	20000	4000	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4000	970	ug/kg	
110-54-3	Hexane	ND	4000	1900	ug/kg	
98-82-8	Isopropylbenzene	93100	4000	890	ug/kg	
99-87-6	p-Isopropyltoluene	ND	4000	890	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	20000	5200	ug/kg	
126-98-7	Methacrylonitrile	ND	20000	4500	ug/kg	
74-83-9	Methyl bromide	ND	4000	1800	ug/kg	
74-87-3	Methyl chloride	ND	4000	1900	ug/kg	
74-88-4	Methyl iodide	ND	8100	1600	ug/kg	
80-62-6	Methyl methacrylate	ND	20000	4000	ug/kg	
74-95-3	Methylene bromide	ND	4000	1200	ug/kg	
75-09-2	Methylene chloride	ND	8100	4000	ug/kg	
78-93-3	Methyl ethyl ketone	ND	20000	6700	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4000	1200	ug/kg	
91-20-3	Naphthalene	ND	4000	1600	ug/kg	
76-01-7	Pentachloroethane	ND	20000	4000	ug/kg	
107-12-0	Propionitrile	ND	40000	9700	ug/kg	
103-65-1	n-Propylbenzene	4590	4000	970	ug/kg	
100-42-5	Styrene	ND	4000	810	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4000	810	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4000	890	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4000	1500	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4000	810	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4000	1600	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4000	1500	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4000	1600	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB50-29-a		
Lab Sample ID:	F62061-6	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	72.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	5130	4000	810	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4000	810	ug/kg	
127-18-4	Tetrachloroethylene	ND	4000	970	ug/kg	
108-88-3	Toluene	ND	4000	810	ug/kg	
79-01-6	Trichloroethylene	ND	4000	970	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4000	1600	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	20000	4000	ug/kg	
75-01-4	Vinyl chloride	ND	4000	1600	ug/kg	
108-05-4	Vinyl Acetate	ND	20000	9700	ug/kg	
	m,p-Xylene	ND	8100	1500	ug/kg	
95-47-6	o-Xylene	865	4000	810	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-121%
2037-26-5	Toluene-D8	95%		71-130%
460-00-4	4-Bromofluorobenzene	98%		59-148%
17060-07-0	1,2-Dichloroethane-D4	105%		77-123%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB50-29-a		
Lab Sample ID:	F62061-6	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	72.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD086481.D	1	12/16/08	JG	12/09/08 15:34	n/a	GCD3636
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.50 g	5.0 ml	2.5 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1500	320	160	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	133%		56-136%
98-08-8	aaa-Trifluorotoluene	112%		61-121%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB50-29-a		
Lab Sample ID:	F62061-6	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	72.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	YY10638.D	1	12/18/08	NY	12/10/08	OP27403	GYY380
Run #2 [b]	LL24698.D	1	12/26/08	NY	12/24/08	OP27577	GLL922

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2	30.3 g	1.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22) [c]	11.0	11	6.8	mg/kg	
	TPH (> C22-C36)	ND	11	6.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	90%	80%	49-108%

(a) Confirmed by re-extraction and reanalysis beyond holdtime.
(b) Confirmation run.
(c) Petroleum hydrocarbon pattern begins before C10.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB50-35		
Lab Sample ID:	F62061-7	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054890.D	1	12/16/08	MM	12/09/08 15:34	n/a	VG2073
Run #2							

	Initial Weight
Run #1	5.80 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.7	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	1.7	5.0	0.99	ug/kg	J
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	0.99	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	0.99	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	0.99	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	0.99	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	9.9	ug/kg	
75-15-0	Carbon disulfide	2.6	5.0	1.1	ug/kg	J
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	0.99	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	0.99	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB50-35		
Lab Sample ID:	F62061-7	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	0.99	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	0.99	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	0.99	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	0.99	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	0.99	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	0.99	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	31.0	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	9.9	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride [b]	8.2	9.9	5.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	0.99	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.99	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.99	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB50-35		
Lab Sample ID:	F62061-7	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.99	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.99	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	0.99	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	9.9	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	0.99	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-121%
2037-26-5	Toluene-D8	93%		71-130%
460-00-4	4-Bromofluorobenzene	101%		59-148%
17060-07-0	1,2-Dichloroethane-D4	106%		77-123%

(a) En Core samples were not preserved within 48 hours.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB50-35		
Lab Sample ID:	F62061-7	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	86.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD086444.D	1	12/15/08	JG	12/09/08 15:34	n/a	GCD3635
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.81 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.7	2.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	97%		56-136%
98-08-8	aaa-Trifluorotoluene	87%		61-121%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB50-35		
Lab Sample ID:	F62061-7	**Date Sampled:**	12/05/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	86.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10639.D	1	12/18/08	NY	12/10/08	OP27403	GYY380
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.5	5.7	mg/kg	
	TPH (> C22-C36)	ND	9.5	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F62061-8	**Date Sampled:**	12/05/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/09/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054891.D	1	12/16/08	MM	n/a	n/a	VG2073
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F62061-8	**Date Sampled:**	12/05/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/09/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F62061-8	**Date Sampled:**	12/05/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/09/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		80-121%
2037-26-5	Toluene-D8	92%		71-130%
460-00-4	4-Bromofluorobenzene	100%		59-148%
17060-07-0	1,2-Dichloroethane-D4	106%		77-123%

(a) Soil vials were not preserved within 48 hours of sampling; results are considered minimum values.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

F62061

Page 1 of 1

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number [1]: 12/08-2008-3

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Zacham Beck / Greg Kinsman

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)					Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
									Sample Analysis Requested [5]									Quality Assurance Samples [6]			
1	SS61-SB49-20	SS61-SB49	05-Dec-2008	1340	18 - 20	N	01	SO	5	X	X	X									3
2	SS61-SB49-30	SS61-SB49	05-Dec-2008	1355	28 - 30	N	01	SO	5	X	X	X									3
3	SS61-SB49-35	SS61-SB49	05-Dec-2008	1410	33 - 35	N	01	SO	5	X	X	X									3
4	SS61-SB50-20	SS61-SB50	05-Dec-2008	1505	18 - 20	N	01	SO	5	X	X	X	X								3
5	SS61-SB50-29	SS61-SB50	05-Dec-2008	1520	27 - 29	N	01	SO	5	X	X	X									3
6	SS61-SB50-29-a	SS61-SB50	05-Dec-2008	1520	27 - 29	FD	01	SO	5	X	X	X									3
7	SS61-SB50-35	SS61-SB50	05-Dec-2008	1535	33 - 35	N	01	SO	5	X	X	X									3
8	Trip Blank				-	TB		WQ	3	X											3
					-																
					-																
					-																

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).
Note: VOC Encores packed with dry ice

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1.		12/8/08	1400			
2.					12-9-08	09:30
3.						

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: Shipped No.:
Method of Shipment: Airbill Number:
Analytical Lab: Accutest Laboratories Delivery Location:
Lab Recipient: Delivery Date/Time:

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)
2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)
3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)
4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks
5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.
6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

0.2

F62061: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F62061 CLIENT: Blafe PROJECT: SS-61

DATE/TIME RECEIVED: 12-9-08 09:20 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 0-2

METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 9643 0096 6678

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [X] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 28

NUMBER OF 5035 FIELD KITS ? TB

NUMBER OF LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE E.T. 12-9-08 TECHNICIAN SIGNATURE/DATE 12/9/08

ASBD 12/17/07

F62061: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F62061
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2073-MB	G0054875.D	1	12/16/08	MM	n/a	n/a	VG2073

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62061-1, F62061-2, F62061-3, F62061-4, F62061-5, F62061-6, F62061-7, F62061-8

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F62061
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2073-MB	G0054875.D	1	12/16/08	MM	n/a	n/a	VG2073

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62061-1, F62061-2, F62061-3, F62061-4, F62061-5, F62061-6, F62061-7, F62061-8

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F62061
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2073-MB	G0054875.D	1	12/16/08	MM	n/a	n/a	VG2073

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62061-1, F62061-2, F62061-3, F62061-4, F62061-5, F62061-6, F62061-7, F62061-8

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	80-121%
2037-26-5	Toluene-D8	94%	71-130%
460-00-4	4-Bromofluorobenzene	103%	59-148%
17060-07-0	1,2-Dichloroethane-D4	107%	77-123%

Method Blank Summary

Job Number: F62061
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2074-MB	G0054907.D	1	12/17/08	MM	n/a	n/a	VG2074

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62061-2

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	80-121%
2037-26-5	Toluene-D8	93%	71-130%
460-00-4	4-Bromofluorobenzene	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	107%	77-123%

Blank Spike Summary

Job Number: F62061
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2073-BS	G0054874.D	1	12/16/08	MM	n/a	n/a	VG2073

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62061-1, F62061-2, F62061-3, F62061-4, F62061-5, F62061-6, F62061-7, F62061-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	148	59*	61-144
75-05-8	Acetonitrile	500	445	89	59-139
107-02-8	Acrolein	250	33.7	13*	27-156
107-13-1	Acrylonitrile	250	229	92	55-144
107-05-1	Allyl chloride	50	53.8	108	41-152
71-43-2	Benzene	50	51.8	104	78-130
100-44-7	Benzyl Chloride	50	43.6	87	74-130
108-86-1	Bromobenzene	50	53.5	107	78-123
74-97-5	Bromochloromethane	50	44.0	88	72-122
75-27-4	Bromodichloromethane	50	47.2	94	73-122
75-25-2	Bromoform	50	40.7	81	70-139
104-51-8	n-Butylbenzene	50	54.7	109	80-138
135-98-8	sec-Butylbenzene	50	53.7	107	82-132
98-06-6	tert-Butylbenzene	50	53.6	107	79-130
108-90-7	Chlorobenzene	50	53.4	107	83-122
75-00-3	Chloroethane	50	41.7	83	61-153
67-66-3	Chloroform	50	49.6	99	79-129
544-10-5	1-Chlorohexane	50	54.2	108	85-137
95-49-8	o-Chlorotoluene	50	53.5	107	77-123
106-43-4	p-Chlorotoluene	50	53.8	108	78-129
110-75-8	2-Chloroethyl vinyl ether	250	316	126	52-142
75-15-0	Carbon disulfide	50	42.4	85	61-142
56-23-5	Carbon tetrachloride	50	52.1	104	79-135
75-34-3	1,1-Dichloroethane	50	50.1	100	77-132
75-35-4	1,1-Dichloroethylene	50	48.1	96	66-132
563-58-6	1,1-Dichloropropene	50	50.5	101	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	45.0	90	67-129
106-93-4	1,2-Dibromoethane	50	47.2	94	77-126
107-06-2	1,2-Dichloroethane	50	48.1	96	78-129
78-87-5	1,2-Dichloropropane	50	48.0	96	74-127
142-28-9	1,3-Dichloropropane	50	47.6	95	78-118
594-20-7	2,2-Dichloropropane	50	47.1	94	80-137
124-48-1	Dibromochloromethane	50	48.9	98	78-117
75-71-8	Dichlorodifluoromethane	50	27.0	54	35-162
156-59-2	cis-1,2-Dichloroethylene	50	49.2	98	74-123
10061-01-5	cis-1,3-Dichloropropene	50	49.6	99	79-130

Blank Spike Summary

Job Number: F62061
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2073-BS	G0054874.D	1	12/16/08	MM	n/a	n/a	VG2073

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62061-1, F62061-2, F62061-3, F62061-4, F62061-5, F62061-6, F62061-7, F62061-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	43.5	87	71-126
541-73-1	m-Dichlorobenzene	50	52.2	104	82-126
95-50-1	o-Dichlorobenzene	50	52.1	104	83-123
106-46-7	p-Dichlorobenzene	50	53.2	106	84-124
156-60-5	trans-1,2-Dichloroethylene	50	49.3	99	77-129
10061-02-6	trans-1,3-Dichloropropene	50	53.2	106	87-131
100-41-4	Ethylbenzene	50	52.7	105	82-124
97-63-2	Ethyl methacrylate	50	41.0	82	78-118
76-13-1	Freon 113	50	46.0	92	62-147
591-78-6	2-Hexanone	250	209	84	67-130
87-68-3	Hexachlorobutadiene	50	56.5	113	77-150
110-54-3	Hexane	50	55.8	112	65-147
98-82-8	Isopropylbenzene	50	53.4	107	82-133
99-87-6	p-Isopropyltoluene	50	55.2	110	82-132
108-10-1	4-Methyl-2-pentanone	250	225	90	69-125
126-98-7	Methacrylonitrile	500	478	96	70-138
74-83-9	Methyl bromide	50	39.8	80	60-146
74-87-3	Methyl chloride	50	41.1	82	58-163
74-88-4	Methyl iodide	50	40.0	80	66-128
80-62-6	Methyl methacrylate	50	50.9	102	73-125
74-95-3	Methylene bromide	50	47.3	95	75-128
75-09-2	Methylene chloride	50	48.6	97	62-140
78-93-3	Methyl ethyl ketone	250	188	75	66-134
1634-04-4	Methyl Tert Butyl Ether	50	45.5	91	70-131
91-20-3	Naphthalene	50	49.3	99	59-143
76-01-7	Pentachloroethane	50	57.1	114	64-156
107-12-0	Propionitrile	500	450	90	73-133
103-65-1	n-Propylbenzene	50	54.1	108	78-129
100-42-5	Styrene	50	53.4	107	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	50.2	100	81-121
71-55-6	1,1,1-Trichloroethane	50	50.1	100	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	47.9	96	70-128
79-00-5	1,1,2-Trichloroethane	50	46.1	92	76-118
87-61-6	1,2,3-Trichlorobenzene	50	50.6	101	78-136
96-18-4	1,2,3-Trichloropropane	50	37.7	75	74-125
120-82-1	1,2,4-Trichlorobenzene	50	53.6	107	82-137

Blank Spike Summary

Job Number: F62061
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2073-BS	G0054874.D	1	12/16/08	MM	n/a	n/a	VG2073

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62061-1, F62061-2, F62061-3, F62061-4, F62061-5, F62061-6, F62061-7, F62061-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	53.9	108	77-129
108-67-8	1,3,5-Trimethylbenzene	50	55.3	111	79-129
127-18-4	Tetrachloroethylene	50	57.3	115	79-132
108-88-3	Toluene	50	52.5	105	80-123
79-01-6	Trichloroethylene	50	49.0	98	78-132
75-69-4	Trichlorofluoromethane	50	41.7	83	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	97.9	196*	74-138
75-01-4	Vinyl chloride	50	39.9	80	60-145
108-05-4	Vinyl Acetate	250	132	53	25-164
	m,p-Xylene	100	107	107	82-128
95-47-6	o-Xylene	50	53.2	106	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	80-121%
2037-26-5	Toluene-D8	103%	71-130%
460-00-4	4-Bromofluorobenzene	102%	59-148%
17060-07-0	1,2-Dichloroethane-D4	91%	77-123%

Blank Spike Summary

Job Number: F62061
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2074-BS	G0054906.D	1	12/17/08	MM	n/a	n/a	VG2074

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62061-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	46.7	93	78-130
100-41-4	Ethylbenzene	50	49.1	98	82-124
98-82-8	Isopropylbenzene	50	50.6	101	82-133

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	80-121%
2037-26-5	Toluene-D8	96%	71-130%
460-00-4	4-Bromofluorobenzene	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	94%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62061
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62034-1MS	G0054879.D	1	12/16/08	MM	n/a	n/a	VG2073
F62034-1MSD	G0054880.D	1	12/16/08	MM	n/a	n/a	VG2073
F62034-1	G0054878.D	1	12/16/08	MM	n/a	n/a	VG2073

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62061-1, F62061-2, F62061-3, F62061-4, F62061-5, F62061-6, F62061-7, F62061-8

CAS No.	Compound	F62034-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		256	102	40*	98.2	38*	4	61-144/29
75-05-8	Acetonitrile	ND		512	383	75	393	76	3	59-139/30
107-02-8	Acrolein	ND		256	ND	0*	ND	0*	nc	27-156/39
107-13-1	Acrylonitrile	ND		256	222	87	213	83	4	55-144/24
107-05-1	Allyl chloride	ND		51.2	56.1	110	60.5	117	8	41-152/24
71-43-2	Benzene	ND		51.2	55.3	108	56.0	109	1	78-130/25
100-44-7	Benzyl Chloride	ND		51.2	30.7	60*	28.9	56*	6	74-130/28
108-86-1	Bromobenzene	ND		51.2	51.7	101	53.3	103	3	78-123/30
74-97-5	Bromochloromethane	ND		51.2	44.8	88	44.1	85	2	72-122/23
75-27-4	Bromodichloromethane	ND		51.2	48.1	94	47.5	92	1	73-122/25
75-25-2	Bromoform	ND		51.2	38.5	75	41.7	81	8	70-139/26
104-51-8	n-Butylbenzene	ND		51.2	51.2	100	53.3	103	4	80-138/31
135-98-8	sec-Butylbenzene	ND		51.2	53.0	104	55.2	107	4	82-132/29
98-06-6	tert-Butylbenzene	ND		51.2	54.1	106	54.8	106	1	79-130/29
108-90-7	Chlorobenzene	ND		51.2	50.8	99	54.0	105	6	83-122/23
75-00-3	Chloroethane	ND		51.2	47.0	92	46.1	89	2	61-153/31
67-66-3	Chloroform	ND		51.2	53.3	104	53.2	103	0	79-129/27
544-10-5	1-Chlorohexane	ND		51.2	52.9	103	54.0	105	2	85-137/29
95-49-8	o-Chlorotoluene	ND		51.2	53.4	104	54.1	105	1	77-123/31
106-43-4	p-Chlorotoluene	ND		51.2	52.9	103	54.7	106	3	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		256	302	118	309	120	2	52-142/25
75-15-0	Carbon disulfide	1.5	J	51.2	48.1	91	48.2	90	0	61-142/27
56-23-5	Carbon tetrachloride	ND		51.2	58.0	113	60.8	118	5	79-135/29
75-34-3	1,1-Dichloroethane	ND		51.2	53.4	104	55.0	107	3	77-132/26
75-35-4	1,1-Dichloroethylene	ND		51.2	55.9	109	54.4	105	3	66-132/27
563-58-6	1,1-Dichloropropene	ND		51.2	53.8	105	55.0	107	2	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		51.2	37.8	74	39.6	77	5	67-129/29
106-93-4	1,2-Dibromoethane	ND		51.2	44.0	86	45.3	88	3	77-126/24
107-06-2	1,2-Dichloroethane	ND		51.2	48.2	94	47.8	93	1	78-129/24
78-87-5	1,2-Dichloropropane	ND		51.2	49.8	97	50.7	98	2	74-127/27
142-28-9	1,3-Dichloropropane	ND		51.2	44.6	87	47.4	92	6	78-118/26
594-20-7	2,2-Dichloropropane	ND		51.2	47.2	92	52.6	102	11	80-137/28
124-48-1	Dibromochloromethane	ND		51.2	45.4	89	46.9	91	3	78-117/27
75-71-8	Dichlorodifluoromethane	ND		51.2	31.8	62	31.1	60	2	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		51.2	49.9	98	50.1	97	0	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		51.2	49.3	96	50.4	98	2	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62061
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62034-1MS	G0054879.D	1	12/16/08	MM	n/a	n/a	VG2073
F62034-1MSD	G0054880.D	1	12/16/08	MM	n/a	n/a	VG2073
F62034-1	G0054878.D	1	12/16/08	MM	n/a	n/a	VG2073

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62061-1, F62061-2, F62061-3, F62061-4, F62061-5, F62061-6, F62061-7, F62061-8

CAS No.	Compound	F62034-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		51.2	43.0	84	43.6	84	1	71-126/28
541-73-1	m-Dichlorobenzene	ND		51.2	51.8	101	52.2	101	1	82-126/29
95-50-1	o-Dichlorobenzene	ND		51.2	49.0	96	51.5	100	5	83-123/28
106-46-7	p-Dichlorobenzene	ND		51.2	50.9	99	52.1	101	2	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		51.2	54.4	106	54.7	106	1	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		51.2	47.3	92	52.0	101	9	87-131/27
100-41-4	Ethylbenzene	ND		51.2	52.1	102	55.3	107	6	82-124/25
97-63-2	Ethyl methacrylate	ND		51.2	ND	0*	ND	0*	nc	78-118/30
76-13-1	Freon 113	ND		51.2	51.4	100	51.2	99	0	62-147/29
591-78-6	2-Hexanone	ND		256	173	68	173	67	0	67-130/29
87-68-3	Hexachlorobutadiene	ND		51.2	49.9	98	52.5	102	5	77-150/36
110-54-3	Hexane	ND		51.2	44.3	87	47.4	92	7	65-147/27
98-82-8	Isopropylbenzene	ND		51.2	55.0	107	56.8	110	3	82-133/27
99-87-6	p-Isopropyltoluene	ND		51.2	52.9	103	56.3	109	6	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		256	199	78	214	83	7	69-125/24
126-98-7	Methacrylonitrile	ND		512	442	86	448	87	1	70-138/22
74-83-9	Methyl bromide	ND		51.2	45.7	89	47.7	92	4	60-146/31
74-87-3	Methyl chloride	ND		51.2	44.7	87	44.4	86	1	58-163/26
74-88-4	Methyl iodide	ND		51.2	42.5	83	43.7	85	3	66-128/27
80-62-6	Methyl methacrylate	ND		51.2	44.6	87	43.3	84	3	73-125/24
74-95-3	Methylene bromide	ND		51.2	48.0	94	48.0	93	0	75-128/26
75-09-2	Methylene chloride	ND		51.2	55.2	108	58.5	113	6	62-140/25
78-93-3	Methyl ethyl ketone	ND		256	130	51*	126	49*	3	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		51.2	42.7	83	44.9	87	5	70-131/25
91-20-3	Naphthalene	ND		51.2	43.6	85	45.4	88	4	59-143/31
76-01-7	Pentachloroethane	ND		51.2	55.9	109	56.1	109	0	64-156/37
107-12-0	Propionitrile	ND		512	435	85	417	81	4	73-133/23
103-65-1	n-Propylbenzene	ND		51.2	53.5	105	54.9	106	3	78-129/29
100-42-5	Styrene	ND		51.2	50.4	99	53.7	104	6	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		51.2	48.5	95	52.6	102	8	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		51.2	55.0	107	57.6	112	5	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		51.2	43.0	84	44.2	86	3	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		51.2	43.7	85	45.3	88	4	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		51.2	46.3	90	46.9	91	1	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		51.2	37.3	73*	36.3	70*	3	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		51.2	49.0	96	50.3	97	3	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62061
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62034-1MS	G0054879.D	1	12/16/08	MM	n/a	n/a	VG2073
F62034-1MSD	G0054880.D	1	12/16/08	MM	n/a	n/a	VG2073
F62034-1	G0054878.D	1	12/16/08	MM	n/a	n/a	VG2073

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62061-1, F62061-2, F62061-3, F62061-4, F62061-5, F62061-6, F62061-7, F62061-8

CAS No.	Compound	F62034-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		51.2	52.8	103	55.3	107	5	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		51.2	55.5	108	54.5	106	2	79-129/31
127-18-4	Tetrachloroethylene	ND		51.2	57.5	112	57.9	112	1	79-132/27
108-88-3	Toluene	ND		51.2	52.7	103	54.2	105	3	80-123/26
79-01-6	Trichloroethylene	ND		51.2	54.2	106	54.1	105	0	78-132/28
75-69-4	Trichlorofluoromethane	ND		51.2	50.0	98	48.0	93	4	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		51.2	90.9	178*	92.6	179*	2	74-138/30
75-01-4	Vinyl chloride	ND		51.2	46.3	90	44.5	86	4	60-145/29
108-05-4	Vinyl Acetate	ND		256	13.5	5*	14.3	6*	6	25-164/35
	m,p-Xylene	ND		102	107	105	113	109	5	82-128/25
95-47-6	o-Xylene	ND		51.2	51.9	101	54.0	105	4	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F62034-1	Limits
1868-53-7	Dibromofluoromethane	101%	98%	99%	80-121%
2037-26-5	Toluene-D8	101%	101%	93%	71-130%
460-00-4	4-Bromofluorobenzene	101%	100%	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	90%	97%	103%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62061
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62060-1MS	G0054918.D	1	12/17/08	MM	n/a	n/a	VG2074
F62060-1MSD	G0054919.D	1	12/17/08	MM	n/a	n/a	VG2074
F62060-1 [a]	G0054917.D	1	12/17/08	MM	n/a	n/a	VG2074

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62061-2

CAS No.	Compound	F62060-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		50.8	55.2	109	52.7	104	5	78-130/25
100-41-4	Ethylbenzene	ND		50.8	56.0	110	52.3	103	7	82-124/25
98-82-8	Isopropylbenzene	ND		50.8	57.4	113	56.5	112	2	82-133/27

CAS No.	Surrogate Recoveries	MS	MSD	F62060-1	Limits
1868-53-7	Dibromofluoromethane	102%	103%	104%	80-121%
2037-26-5	Toluene-D8	99%	99%	95%	71-130%
460-00-4	4-Bromofluorobenzene	101%	98%	93%	59-148%
17060-07-0	1,2-Dichloroethane-D4	99%	90%	110%	77-123%

(a) En Core samples were not preserved within 48 hours.

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F62061
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3634-MB	CD086408.D	1	12/12/08	JG	n/a	n/a	GCD3634

The QC reported here applies to the following samples: **Method:** SW846 8015

F62061-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	86%	56-136%
98-08-8	aaa-Trifluorotoluene	80%	61-121%

Method Blank Summary

Job Number: F62061
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3635-MB	CD086438.D	1	12/15/08	JG	n/a	n/a	GCD3635

The QC reported here applies to the following samples: **Method:** SW846 8015

F62061-3, F62061-4, F62061-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	76%	56-136%
98-08-8	aaa-Trifluorotoluene	78%	61-121%

Method Blank Summary

Job Number: F62061
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3636-MB	CD086463.D	1	12/16/08	JG	n/a	n/a	GCD3636

The QC reported here applies to the following samples: **Method:** SW846 8015

F62061-5, F62061-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	80%	56-136%
98-08-8	aaa-Trifluorotoluene	83%	61-121%

Method Blank Summary

Job Number: F62061
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1969-MB	QR045294.D	1	12/17/08	AH	n/a	n/a	GQR1969

The QC reported here applies to the following samples: **Method:** SW846 8015

F62061-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	98%	56-136%
98-08-8	aaa-Trifluorotoluene	83%	61-121%

Blank Spike Summary

Job Number: F62061
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3634-BS	CD086407.D	1	12/12/08	JG	n/a	n/a	GCD3634

The QC reported here applies to the following samples: **Method:** SW846 8015

F62061-1

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	19.0	95	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	103%	56-136%
98-08-8	aaa-Trifluorotoluene	91%	61-121%

Blank Spike Summary

Job Number: F62061
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3635-BS	CD086437.D	1	12/15/08	JG	n/a	n/a	GCD3635

The QC reported here applies to the following samples: **Method:** SW846 8015

F62061-3, F62061-4, F62061-7

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	18.0	90	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	106%	56-136%
98-08-8	aaa-Trifluorotoluene	93%	61-121%

Blank Spike Summary

Job Number: F62061
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3636-BS	CD086462.D	1	12/16/08	JG	n/a	n/a	GCD3636

The QC reported here applies to the following samples: **Method:** SW846 8015

F62061-5, F62061-6

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	17.6	88	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	108%	56-136%
98-08-8	aaa-Trifluorotoluene	94%	61-121%

Blank Spike Summary

Job Number: F62061
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1969-BS	QR045293.D	1	12/17/08	AH	n/a	n/a	GQR1969

The QC reported here applies to the following samples: **Method:** SW846 8015

F62061-2

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	19.7	99	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	105%	56-136%
98-08-8	aaa-Trifluorotoluene	98%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62061
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62063-1MS	CD086424.D	1	12/12/08	JG	n/a	n/a	GCD3634
F62063-1MSD	CD086425.D	1	12/12/08	JG	n/a	n/a	GCD3634
F62063-1 [a]	CD086419.D	1	12/12/08	JG	n/a	n/a	GCD3634

The QC reported here applies to the following samples: **Method:** SW846 8015

F62061-1

CAS No.	Compound	F62063-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		21.5	20.7	96	20.4	95	1	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F62063-1	Limits
460-00-4	4-Bromofluorobenzene	117%	112%	85%	56-136%
98-08-8	aaa-Trifluorotoluene	100%	96%	86%	61-121%

(a) En Core samples were not preserved within 48 hours.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62061
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62060-1MS	CD086449.D	1	12/15/08	JG	n/a	n/a	GCD3635
F62060-1MSD	CD086450.D	1	12/15/08	JG	n/a	n/a	GCD3635
F62060-1 [a]	CD086452.D	1	12/15/08	JG	n/a	n/a	GCD3635

The QC reported here applies to the following samples: **Method:** SW846 8015

F62061-3, F62061-4, F62061-7

CAS No.	Compound	F62060-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		23.9	22.0	92	20.9	87	5	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F62060-1	Limits
460-00-4	4-Bromofluorobenzene	107%	103%	81%	56-136%
98-08-8	aaa-Trifluorotoluene	91%	90%	78%	61-121%

(a) En Core samples were not preserved within 48 hours.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62061
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61975-4MS	CD086482.D	1	12/16/08	JG	n/a	n/a	GCD3636
F61975-4MSD	CD086483.D	1	12/16/08	JG	n/a	n/a	GCD3636
F61975-4	CD086475.D	1	12/16/08	JG	n/a	n/a	GCD3636

The QC reported here applies to the following samples: **Method:** SW846 8015

F62061-5, F62061-6

CAS No.	Compound	F61975-4 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		23	20.9	91	19.6	85	6	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F61975-4	Limits
460-00-4	4-Bromofluorobenzene	110%	105%	79%	56-136%
98-08-8	aaa-Trifluorotoluene	93%	91%	80%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62061
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62034-1MS	QR045318.D	1	12/17/08	AH	n/a	n/a	GQR1969
F62034-1MSD	QR045319.D	1	12/17/08	AH	n/a	n/a	GQR1969
F62034-1 [a]	QR045310.D	1	12/17/08	AH	n/a	n/a	GQR1969

The QC reported here applies to the following samples: **Method:** SW846 8015

F62061-2

CAS No.	Compound	F62034-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		24.2	22.3	92	23.4	97	5	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F62034-1	Limits
460-00-4	4-Bromofluorobenzene	86%	92%	78%	56-136%
98-08-8	aaa-Trifluorotoluene	93%	96%	81%	61-121%

(a) Confirmation run.

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F62061
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27403-MB	YY10618.D	1	12/18/08	NY	12/10/08	OP27403	GYY380

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62061-1, F62061-2, F62061-3, F62061-4, F62061-5, F62061-6, F62061-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	96%	49-108%

Method Blank Summary

Job Number: F62061
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27403-MB	LL24636.D	1	12/19/08	NY	12/10/08	OP27403	GLL918

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62061-1, F62061-2, F62061-3, F62061-4, F62061-5, F62061-6, F62061-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	87%	49-108%

Blank Spike Summary

Job Number: F62061
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27403-BS	YY10617.D	1	12/18/08	NY	12/10/08	OP27403	GYY380

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62061-1, F62061-2, F62061-3, F62061-4, F62061-5, F62061-6, F62061-7

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	34.5	104*	64-102
	TPH (> C22-C36)	33.3	36.6	110	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	100%	49-108%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62061
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27403-MS	YY10622.D	1	12/18/08	NY	12/10/08	OP27403	GYY380
OP27403-MSD	YY10623.D	1	12/18/08	NY	12/10/08	OP27403	GYY380
F62060-1	YY10619.D	1	12/18/08	NY	12/10/08	OP27403	GYY380

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62061-1, F62061-2, F62061-3, F62061-4, F62061-5, F62061-6, F62061-7

CAS No.	Compound	F62060-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		38.6	36.2	94	32.0	84	12	64-102/32
	TPH (> C22-C36)	ND		38.6	35.7	92	36.1	95	1	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F62060-1	Limits
84-15-1	o-Terphenyl	91%	83%	85%	49-108%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/29/08

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F62062

Sampling Date: 12/07/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: 75

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Note: This report is password protected to disallow document modification or assembly.
A password to unlock this report is available from your client service representative.

Sections: 1 2 3 4 5 6 7

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F62062-1: SS61-SB55-17 7
3.2: F62062-2: SS61-SB55-33 12
3.3: F62062-3: SS61-SB55-40 17
3.4: F62062-4: SS61-SB56-18 22
3.5: F62062-5: SS61-SB56-25 27
3.6: F62062-6: SS61-SB56-25-a 32
3.7: F62062-7: SS61-SB56-35 37
3.8: F62062-8: TRIP BLANK 42
Section 4: Misc. Forms **45**
4.1: Chain of Custody 46
Section 5: GC/MS Volatiles - QC Data Summaries **48**
5.1: Method Blank Summary 49
5.2: Blank Spike Summary 53
5.3: Matrix Spike/Matrix Spike Duplicate Summary 57
Section 6: GC Volatiles - QC Data Summaries **61**
6.1: Method Blank Summary 62
6.2: Blank Spike Summary 64
6.3: Matrix Spike/Matrix Spike Duplicate Summary 66
Section 7: GC Semi-volatiles - QC Data Summaries **68**
7.1: Method Blank Summary 69
7.2: Blank Spike Summary 72
7.3: Matrix Spike/Matrix Spike Duplicate Summary 74

Sample Summary

North Wind, Inc

Job No: F62062

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F62062-1	12/07/08	12:20	DM	12/09/08	SO	Soil	SS61-SB55-17
F62062-2	12/07/08	12:30	DM	12/09/08	SO	Soil	SS61-SB55-33
F62062-3	12/07/08	12:40	DM	12/09/08	SO	Soil	SS61-SB55-40
F62062-4	12/07/08	14:10	DM	12/09/08	SO	Soil	SS61-SB56-18
F62062-5	12/07/08	14:20	DM	12/09/08	SO	Soil	SS61-SB56-25
F62062-6	12/07/08	14:20	DM	12/09/08	SO	Soil	SS61-SB56-25-a
F62062-7	12/07/08	14:40	DM	12/09/08	SO	Soil	SS61-SB56-35
F62062-8	12/07/08	00:00	DM	12/09/08	SO	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F62062

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/26/2008 1:45:45

7 Samples, 1 Trip Blank were collected on 12/07/2008 and received at Accutest on 12/09/2008 properly preserved, at 0.4 Deg. C and intact. These Samples received an Accutest job number of F62062. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2075

All samples were analyzed within the recommended method holding time.

Sample(s) F62062-1MS, F62062-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for Acetone, Acrolein, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for Acetone, Acrolein, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 2-Hexanone, Acetone, Acrolein, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

F62062-8 for Methylene chloride: Suspected laboratory contaminant.

F62062-3 for Methylene chloride: Suspected laboratory contaminant.

F62062-5 for Methylene chloride: Suspected laboratory contaminant.

F62062-4 for Methylene chloride: Suspected laboratory contaminant.

F62062-7 for Methylene chloride: Suspected laboratory contaminant.

F62062-6 for Methylene chloride: Suspected laboratory contaminant.

F62062-1 for Methylene chloride: Suspected laboratory contaminant.

F62062-2 for Methylene chloride: Suspected laboratory contaminant.

Matrix: SO **Batch ID:** VG2076

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F62255-1MS, F62255-1MSD were used as the QC samples indicated.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GQR1970

All samples were analyzed within the recommended method holding time.

Sample(s) F62103-4MS, F62103-4MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Matrix Spike Recovery(s) for TPH-GRO (C6-C10) are outside control limits. Probable cause due to matrix interference.

Sample(s) F62062-2, F62062-5, F62062-6 have surrogates outside control limits. Probable cause due to matrix interference.

Matrix: SO **Batch ID:** GQR1972

All samples were analyzed within the recommended method holding time.

Sample(s) F62062-3MS, F62062-3MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Sample(s) F62062-2, F62062-5, F62062-6 have surrogates outside control limits. Probable cause due to matrix interference.

F62062-6 for aaa-Trifluorotoluene: Result reported from PID.

F62062-6 for aaa-Trifluorotoluene: Outside control limits due to matrix interference.

F62062-5 for aaa-Trifluorotoluene: Result reported from PID.

F62062-5 for aaa-Trifluorotoluene: Outside control limits due to matrix interference.

F62062-2 for aaa-Trifluorotoluene: Result reported from PID.

F62062-2 for aaa-Trifluorotoluene: Outside control limits due to matrix interference.

Extractables by GC By Method SW846 8015 M

Matrix: SO **Batch ID:** OP27403

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F62060-1MS, F62060-1MSD were used as the QC samples indicated.

Blank Spike Recovery(s) for TPH (C10-C22) are outside control limits.

F62062-2 for TPH (C10-C22): Petroleum hydrocarbon pattern begins before C10.

Matrix: SO **Batch ID:** OP27416

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F62103-4MS, F62103-4MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Wet Chemistry By Method SM19 2540B M

Matrix: SO **Batch ID:** GN33103

Sample(s) F62062-1DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: December 26, 2008

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-SB55-17		
Lab Sample ID:	F62062-1	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054967.D	1	12/18/08	MM	12/09/08 11:22	n/a	VG2075
Run #2							

	Initial Weight
Run #1	5.53 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	55	28	ug/kg	
75-05-8	Acetonitrile	ND	55	18	ug/kg	
107-02-8	Acrolein	ND	28	11	ug/kg	
107-13-1	Acrylonitrile	ND	28	7.6	ug/kg	
107-05-1	Allyl chloride	ND	28	5.5	ug/kg	
71-43-2	Benzene	ND	5.5	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.5	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.5	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.5	1.9	ug/kg	
75-27-4	Bromodichloromethane	ND	5.5	1.3	ug/kg	
75-25-2	Bromoform	ND	5.5	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	5.5	1.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.5	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.5	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.5	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.5	2.2	ug/kg	
67-66-3	Chloroform	ND	5.5	1.9	ug/kg	
544-10-5	1-Chlorohexane	ND	5.5	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.5	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.5	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	28	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.5	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.5	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.5	2.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.5	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.5	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.5	2.7	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.5	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.5	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.5	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.5	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.5	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB55-17		
Lab Sample ID:	F62062-1	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.5	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.5	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.5	1.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.5	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	28	5.5	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.5	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.5	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.5	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.5	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.5	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.5	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	28	5.5	ug/kg	
76-13-1	Freon 113	ND	5.5	2.9	ug/kg	
591-78-6	2-Hexanone	ND	28	5.5	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.5	1.3	ug/kg	
110-54-3	Hexane	ND	5.5	2.7	ug/kg	
98-82-8	Isopropylbenzene	ND	5.5	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.5	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	28	7.1	ug/kg	
126-98-7	Methacrylonitrile	ND	28	6.1	ug/kg	
74-83-9	Methyl bromide	ND	5.5	2.4	ug/kg	
74-87-3	Methyl chloride	ND	5.5	2.7	ug/kg	
74-88-4	Methyl iodide	ND	11	2.2	ug/kg	
80-62-6	Methyl methacrylate	ND	28	5.5	ug/kg	
74-95-3	Methylene bromide	ND	5.5	1.7	ug/kg	
75-09-2	Methylene chloride [a]	15.8	11	5.5	ug/kg	
78-93-3	Methyl ethyl ketone	ND	28	9.2	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.5	1.7	ug/kg	
91-20-3	Naphthalene	ND	5.5	2.2	ug/kg	
76-01-7	Pentachloroethane	ND	28	5.5	ug/kg	
107-12-0	Propionitrile	ND	55	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.5	1.3	ug/kg	
100-42-5	Styrene	ND	5.5	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.5	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.5	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.5	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.5	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.5	2.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.5	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.5	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB55-17		
Lab Sample ID:	F62062-1	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.5	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.5	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.5	1.3	ug/kg	
108-88-3	Toluene	ND	5.5	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.5	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.5	2.2	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	28	5.5	ug/kg	
75-01-4	Vinyl chloride	ND	5.5	2.2	ug/kg	
108-05-4	Vinyl Acetate	ND	28	13	ug/kg	
	m,p-Xylene	ND	11	2.1	ug/kg	
95-47-6	o-Xylene	ND	5.5	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		80-121%
2037-26-5	Toluene-D8	95%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	109%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB55-17		
Lab Sample ID:	F62062-1	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	81.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045327.D	1	12/18/08	AH	12/09/08 11:22	n/a	GQR1970
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.60 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.6	3.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	87%		56-136%
98-08-8	aaa-Trifluorotoluene	79%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB55-17		
Lab Sample ID:	F62062-1	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	81.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10640.D	1	12/18/08	NY	12/10/08	OP27403	GYY380
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.1	mg/kg	
	TPH (> C22-C36)	ND	10	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	83%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB55-33		
Lab Sample ID:	F62062-2	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	79.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054970.D	1	12/18/08	MM	12/09/08 11:22	n/a	VG2075
Run #2	G0055011.D	1	12/19/08	MM	12/09/08 11:22	n/a	VG2076

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.76 g	5.0 ml	50.0 ul
Run #2	5.76 g	5.0 ml	10.0 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	6700	3400	ug/kg	
75-05-8	Acetonitrile	ND	6700	2100	ug/kg	
107-02-8	Acrolein	ND	3400	1300	ug/kg	
107-13-1	Acrylonitrile	ND	3400	930	ug/kg	
107-05-1	Allyl chloride	ND	3400	670	ug/kg	
71-43-2	Benzene	19400	670	130	ug/kg	
100-44-7	Benzyl Chloride	ND	670	150	ug/kg	
108-86-1	Bromobenzene	ND	670	130	ug/kg	
74-97-5	Bromochloromethane	ND	670	230	ug/kg	
75-27-4	Bromodichloromethane	ND	670	160	ug/kg	
75-25-2	Bromoform	ND	670	200	ug/kg	
104-51-8	n-Butylbenzene	226	670	190	ug/kg	J
135-98-8	sec-Butylbenzene	2630	670	150	ug/kg	
98-06-6	tert-Butylbenzene	1100	670	150	ug/kg	
108-90-7	Chlorobenzene	ND	670	130	ug/kg	
75-00-3	Chloroethane	ND	670	270	ug/kg	
67-66-3	Chloroform	ND	670	230	ug/kg	
544-10-5	1-Chlorohexane	ND	670	170	ug/kg	
95-49-8	o-Chlorotoluene	ND	670	130	ug/kg	
106-43-4	p-Chlorotoluene	ND	670	130	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	3400	1300	ug/kg	
75-15-0	Carbon disulfide	ND	670	150	ug/kg	
56-23-5	Carbon tetrachloride	ND	670	190	ug/kg	
75-34-3	1,1-Dichloroethane	ND	670	270	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	670	170	ug/kg	
563-58-6	1,1-Dichloropropene	ND	670	190	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	670	320	ug/kg	
106-93-4	1,2-Dibromoethane	ND	670	130	ug/kg	
107-06-2	1,2-Dichloroethane	ND	670	150	ug/kg	
78-87-5	1,2-Dichloropropane	ND	670	190	ug/kg	
142-28-9	1,3-Dichloropropane	ND	670	130	ug/kg	
594-20-7	2,2-Dichloropropane	ND	670	280	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB55-33		
Lab Sample ID:	F62062-2	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	79.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	670	130	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	670	270	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	670	210	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	670	170	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	3400	670	ug/kg	
541-73-1	m-Dichlorobenzene	ND	670	130	ug/kg	
95-50-1	o-Dichlorobenzene	ND	670	130	ug/kg	
106-46-7	p-Dichlorobenzene	ND	670	130	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	670	160	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	670	130	ug/kg	
100-41-4	Ethylbenzene	20400	670	130	ug/kg	
97-63-2	Ethyl methacrylate	ND	3400	670	ug/kg	
76-13-1	Freon 113	ND	670	350	ug/kg	
591-78-6	2-Hexanone	ND	3400	670	ug/kg	
87-68-3	Hexachlorobutadiene	ND	670	160	ug/kg	
110-54-3	Hexane	5510	670	320	ug/kg	
98-82-8	Isopropylbenzene	115000 [a]	3400	740	ug/kg	
99-87-6	p-Isopropyltoluene	ND	670	150	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	3400	860	ug/kg	
126-98-7	Methacrylonitrile	ND	3400	740	ug/kg	
74-83-9	Methyl bromide	ND	670	300	ug/kg	
74-87-3	Methyl chloride	ND	670	320	ug/kg	
74-88-4	Methyl iodide	ND	1300	270	ug/kg	
80-62-6	Methyl methacrylate	ND	3400	670	ug/kg	
74-95-3	Methylene bromide	ND	670	200	ug/kg	
75-09-2	Methylene chloride [b]	3470	1300	670	ug/kg	
78-93-3	Methyl ethyl ketone	ND	3400	1100	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	670	200	ug/kg	
91-20-3	Naphthalene	ND	670	270	ug/kg	
76-01-7	Pentachloroethane	ND	3400	670	ug/kg	
107-12-0	Propionitrile	ND	6700	1600	ug/kg	
103-65-1	n-Propylbenzene	3710	670	160	ug/kg	
100-42-5	Styrene	ND	670	130	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	670	130	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	670	150	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	670	240	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	670	130	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	670	270	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	670	250	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	670	270	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB55-33		
Lab Sample ID:	F62062-2	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	79.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	32100 [a]	3400	670	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	924	670	130	ug/kg	
127-18-4	Tetrachloroethylene	ND	670	160	ug/kg	
108-88-3	Toluene	ND	670	130	ug/kg	
79-01-6	Trichloroethylene	ND	670	160	ug/kg	
75-69-4	Trichlorofluoromethane	ND	670	270	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	3400	670	ug/kg	
75-01-4	Vinyl chloride	ND	670	270	ug/kg	
108-05-4	Vinyl Acetate	ND	3400	1600	ug/kg	
	m,p-Xylene	27500	1300	250	ug/kg	
95-47-6	o-Xylene	12800	670	130	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%	103%	80-121%
2037-26-5	Toluene-D8	104%	93%	71-130%
460-00-4	4-Bromofluorobenzene	95%	93%	59-148%
17060-07-0	1,2-Dichloroethane-D4	107%	106%	77-123%

(a) Result is from Run# 2
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB55-33		
Lab Sample ID:	F62062-2	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	79.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045393.D	10	12/19/08	AH	12/09/08 11:22	n/a	GQR1972
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.76 g	5.0 ml	10.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	2380	670	340	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	87%		56-136%
98-08-8	aaa-Trifluorotoluene	113% [a]		61-121%
98-08-8	aaa-Trifluorotoluene	138% [b]		61-121%

(a) Result reported from PID.
(b) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB55-33		
Lab Sample ID:	F62062-2	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	79.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24637.D	1	12/19/08	NY	12/10/08	OP27403	GLL918
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22) [a]	6.78	10	6.3	mg/kg	J
	TPH (> C22-C36)	ND	10	6.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		49-108%

(a) Petroleum hydrocarbon pattern begins before C10.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB55-40		
Lab Sample ID:	F62062-3	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054971.D	1	12/18/08	MM	12/09/08 11:22	n/a	VG2075
Run #2							

	Initial Weight
Run #1	5.90 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	49	24	ug/kg	
75-05-8	Acetonitrile	ND	49	16	ug/kg	
107-02-8	Acrolein	ND	24	9.6	ug/kg	
107-13-1	Acrylonitrile	ND	24	6.7	ug/kg	
107-05-1	Allyl chloride	ND	24	4.9	ug/kg	
71-43-2	Benzene	115	4.9	0.98	ug/kg	
100-44-7	Benzyl Chloride	ND	4.9	1.1	ug/kg	
108-86-1	Bromobenzene	ND	4.9	0.98	ug/kg	
74-97-5	Bromochloromethane	ND	4.9	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	4.9	1.2	ug/kg	
75-25-2	Bromoform	ND	4.9	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	4.9	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	4.9	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	4.9	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	4.9	0.98	ug/kg	
75-00-3	Chloroethane	ND	4.9	2.0	ug/kg	
67-66-3	Chloroform	ND	4.9	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	4.9	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.9	0.98	ug/kg	
106-43-4	p-Chlorotoluene	ND	4.9	0.98	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	24	9.8	ug/kg	
75-15-0	Carbon disulfide	ND	4.9	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.9	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.9	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.9	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	4.9	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.9	2.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4.9	0.98	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.9	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.9	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4.9	0.98	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4.9	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB55-40		
Lab Sample ID:	F62062-3	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	4.9	0.98	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.9	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.9	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.9	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	24	4.9	ug/kg	
541-73-1	m-Dichlorobenzene	ND	4.9	0.98	ug/kg	
95-50-1	o-Dichlorobenzene	1.2	4.9	0.98	ug/kg	J
106-46-7	p-Dichlorobenzene	ND	4.9	0.98	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	4.9	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.9	0.98	ug/kg	
100-41-4	Ethylbenzene	ND	4.9	0.98	ug/kg	
97-63-2	Ethyl methacrylate	ND	24	4.9	ug/kg	
76-13-1	Freon 113	ND	4.9	2.5	ug/kg	
591-78-6	2-Hexanone	ND	24	4.9	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.9	1.2	ug/kg	
110-54-3	Hexane	ND	4.9	2.3	ug/kg	
98-82-8	Isopropylbenzene	24.1	4.9	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	4.9	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	24	6.2	ug/kg	
126-98-7	Methacrylonitrile	ND	24	5.4	ug/kg	
74-83-9	Methyl bromide	ND	4.9	2.1	ug/kg	
74-87-3	Methyl chloride	ND	4.9	2.3	ug/kg	
74-88-4	Methyl iodide	ND	9.8	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	24	4.9	ug/kg	
74-95-3	Methylene bromide	ND	4.9	1.5	ug/kg	
75-09-2	Methylene chloride [a]	5.1	9.8	4.9	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	24	8.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.9	1.5	ug/kg	
91-20-3	Naphthalene	ND	4.9	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	24	4.9	ug/kg	
107-12-0	Propionitrile	ND	49	12	ug/kg	
103-65-1	n-Propylbenzene	ND	4.9	1.2	ug/kg	
100-42-5	Styrene	ND	4.9	0.98	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.9	0.98	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.9	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.9	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.9	0.98	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.9	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.9	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB55-40		
Lab Sample ID:	F62062-3	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	4.9	0.98	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.9	0.98	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.9	1.2	ug/kg	
108-88-3	Toluene	ND	4.9	0.98	ug/kg	
79-01-6	Trichloroethylene	ND	4.9	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.9	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	24	4.9	ug/kg	
75-01-4	Vinyl chloride	ND	4.9	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	24	12	ug/kg	
	m,p-Xylene	ND	9.8	1.9	ug/kg	
95-47-6	o-Xylene	ND	4.9	0.98	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-121%
2037-26-5	Toluene-D8	92%		71-130%
460-00-4	4-Bromofluorobenzene	100%		59-148%
17060-07-0	1,2-Dichloroethane-D4	108%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB55-40		
Lab Sample ID:	F62062-3	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	86.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045394.D	1	12/19/08	AH	12/09/08 11:22	n/a	GQR1972
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.09 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.5	2.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	74%		56-136%
98-08-8	aaa-Trifluorotoluene	80%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB55-40		
Lab Sample ID:	F62062-3	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	86.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10642.D	1	12/19/08	NY	12/10/08	OP27403	GYY380
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.5	5.7	mg/kg	
	TPH (> C22-C36)	ND	9.5	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	83%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB56-18		
Lab Sample ID:	F62062-4	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054972.D	1	12/18/08	MM	12/09/08 11:44	n/a	VG2075
Run #2							

	Initial Weight
Run #1	6.11 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	48	24	ug/kg	
75-05-8	Acetonitrile	ND	48	15	ug/kg	
107-02-8	Acrolein	ND	24	9.4	ug/kg	
107-13-1	Acrylonitrile	ND	24	6.6	ug/kg	
107-05-1	Allyl chloride	ND	24	4.8	ug/kg	
71-43-2	Benzene	ND	4.8	0.96	ug/kg	
100-44-7	Benzyl Chloride	ND	4.8	1.1	ug/kg	
108-86-1	Bromobenzene	ND	4.8	0.96	ug/kg	
74-97-5	Bromochloromethane	ND	4.8	1.6	ug/kg	
75-27-4	Bromodichloromethane	ND	4.8	1.2	ug/kg	
75-25-2	Bromoform	ND	4.8	1.4	ug/kg	
104-51-8	n-Butylbenzene	ND	4.8	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	4.8	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	4.8	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	4.8	0.96	ug/kg	
75-00-3	Chloroethane	ND	4.8	1.9	ug/kg	
67-66-3	Chloroform	ND	4.8	1.6	ug/kg	
544-10-5	1-Chlorohexane	ND	4.8	1.2	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.8	0.96	ug/kg	
106-43-4	p-Chlorotoluene	ND	4.8	0.96	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	24	9.6	ug/kg	
75-15-0	Carbon disulfide	ND	4.8	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.8	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.8	1.9	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.8	1.2	ug/kg	
563-58-6	1,1-Dichloropropene	ND	4.8	1.3	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.8	2.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4.8	0.96	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.8	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.8	1.3	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4.8	0.96	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4.8	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB56-18		
Lab Sample ID:	F62062-4	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	4.8	0.96	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.8	1.9	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.8	1.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.8	1.2	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	24	4.8	ug/kg	
541-73-1	m-Dichlorobenzene	ND	4.8	0.96	ug/kg	
95-50-1	o-Dichlorobenzene	ND	4.8	0.96	ug/kg	
106-46-7	p-Dichlorobenzene	ND	4.8	0.96	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	4.8	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.8	0.96	ug/kg	
100-41-4	Ethylbenzene	ND	4.8	0.96	ug/kg	
97-63-2	Ethyl methacrylate	ND	24	4.8	ug/kg	
76-13-1	Freon 113	ND	4.8	2.5	ug/kg	
591-78-6	2-Hexanone	ND	24	4.8	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.8	1.2	ug/kg	
110-54-3	Hexane	ND	4.8	2.3	ug/kg	
98-82-8	Isopropylbenzene	ND	4.8	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	4.8	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	24	6.1	ug/kg	
126-98-7	Methacrylonitrile	ND	24	5.3	ug/kg	
74-83-9	Methyl bromide	ND	4.8	2.1	ug/kg	
74-87-3	Methyl chloride	ND	4.8	2.3	ug/kg	
74-88-4	Methyl iodide	ND	9.6	1.9	ug/kg	
80-62-6	Methyl methacrylate	ND	24	4.8	ug/kg	
74-95-3	Methylene bromide	ND	4.8	1.4	ug/kg	
75-09-2	Methylene chloride [a]	5.1	9.6	4.8	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	24	8.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.8	1.4	ug/kg	
91-20-3	Naphthalene	ND	4.8	1.9	ug/kg	
76-01-7	Pentachloroethane	ND	24	4.8	ug/kg	
107-12-0	Propionitrile	ND	48	12	ug/kg	
103-65-1	n-Propylbenzene	ND	4.8	1.2	ug/kg	
100-42-5	Styrene	ND	4.8	0.96	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.8	0.96	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.8	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.8	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.8	0.96	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.8	1.9	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.8	1.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	1.9	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB56-18		
Lab Sample ID:	F62062-4	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	4.8	0.96	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.8	0.96	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.8	1.2	ug/kg	
108-88-3	Toluene	ND	4.8	0.96	ug/kg	
79-01-6	Trichloroethylene	ND	4.8	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.8	1.9	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	24	4.8	ug/kg	
75-01-4	Vinyl chloride	ND	4.8	1.9	ug/kg	
108-05-4	Vinyl Acetate	ND	24	12	ug/kg	
	m,p-Xylene	ND	9.6	1.8	ug/kg	
95-47-6	o-Xylene	ND	4.8	0.96	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		80-121%
2037-26-5	Toluene-D8	90%		71-130%
460-00-4	4-Bromofluorobenzene	96%		59-148%
17060-07-0	1,2-Dichloroethane-D4	119%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB56-18		
Lab Sample ID:	F62062-4	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	85.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045330.D	1	12/18/08	AH	12/09/08 11:44	n/a	GQR1970
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.92 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.8	2.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	84%		56-136%
98-08-8	aaa-Trifluorotoluene	78%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB56-18		
Lab Sample ID:	F62062-4	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	85.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10643.D	1	12/19/08	NY	12/10/08	OP27403	GYY380
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.7	5.8	mg/kg	
	TPH (> C22-C36)	ND	9.7	5.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	90%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB56-25		
Lab Sample ID:	F62062-5	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054973.D	1	12/18/08	MM	12/09/08 11:44	n/a	VG2075
Run #2	G0055012.D	1	12/19/08	MM	12/09/08 11:44	n/a	VG2076

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.73 g	5.0 ml	100 ul
Run #2	5.73 g	5.0 ml	50.0 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3200	1600	ug/kg	
75-05-8	Acetonitrile	ND	3200	1000	ug/kg	
107-02-8	Acrolein	ND	1600	630	ug/kg	
107-13-1	Acrylonitrile	ND	1600	450	ug/kg	
107-05-1	Allyl chloride	ND	1600	320	ug/kg	
71-43-2	Benzene	2480	320	65	ug/kg	
100-44-7	Benzyl Chloride	ND	320	71	ug/kg	
108-86-1	Bromobenzene	ND	320	65	ug/kg	
74-97-5	Bromochloromethane	ND	320	110	ug/kg	
75-27-4	Bromodichloromethane	ND	320	78	ug/kg	
75-25-2	Bromoform	ND	320	97	ug/kg	
104-51-8	n-Butylbenzene	99.3	320	90	ug/kg	J
135-98-8	sec-Butylbenzene	426	320	71	ug/kg	
98-06-6	tert-Butylbenzene	165	320	71	ug/kg	J
108-90-7	Chlorobenzene	ND	320	65	ug/kg	
75-00-3	Chloroethane	ND	320	130	ug/kg	
67-66-3	Chloroform	ND	320	110	ug/kg	
544-10-5	1-Chlorohexane	ND	320	84	ug/kg	
95-49-8	o-Chlorotoluene	ND	320	65	ug/kg	
106-43-4	p-Chlorotoluene	ND	320	65	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1600	650	ug/kg	
75-15-0	Carbon disulfide	ND	320	71	ug/kg	
56-23-5	Carbon tetrachloride	ND	320	90	ug/kg	
75-34-3	1,1-Dichloroethane	ND	320	130	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	320	84	ug/kg	
563-58-6	1,1-Dichloropropene	ND	320	90	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	320	160	ug/kg	
106-93-4	1,2-Dibromoethane	ND	320	65	ug/kg	
107-06-2	1,2-Dichloroethane	ND	320	71	ug/kg	
78-87-5	1,2-Dichloropropane	ND	320	90	ug/kg	
142-28-9	1,3-Dichloropropane	ND	320	65	ug/kg	
594-20-7	2,2-Dichloropropane	ND	320	140	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB56-25		
Lab Sample ID:	F62062-5	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	320	65	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	320	130	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	320	100	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	320	84	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	1600	320	ug/kg	
541-73-1	m-Dichlorobenzene	ND	320	65	ug/kg	
95-50-1	o-Dichlorobenzene	ND	320	65	ug/kg	
106-46-7	p-Dichlorobenzene	ND	320	65	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	320	78	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	320	65	ug/kg	
100-41-4	Ethylbenzene	7370	320	65	ug/kg	
97-63-2	Ethyl methacrylate	ND	1600	320	ug/kg	
76-13-1	Freon 113	ND	320	170	ug/kg	
591-78-6	2-Hexanone	ND	1600	320	ug/kg	
87-68-3	Hexachlorobutadiene	ND	320	78	ug/kg	
110-54-3	Hexane	706	320	160	ug/kg	
98-82-8	Isopropylbenzene	21100 [a]	650	140	ug/kg	
99-87-6	p-Isopropyltoluene	ND	320	71	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1600	410	ug/kg	
126-98-7	Methacrylonitrile	ND	1600	360	ug/kg	
74-83-9	Methyl bromide	ND	320	140	ug/kg	
74-87-3	Methyl chloride	ND	320	160	ug/kg	
74-88-4	Methyl iodide	ND	650	130	ug/kg	
80-62-6	Methyl methacrylate	ND	1600	320	ug/kg	
74-95-3	Methylene bromide	ND	320	97	ug/kg	
75-09-2	Methylene chloride [b]	1430	650	320	ug/kg	
78-93-3	Methyl ethyl ketone	ND	1600	540	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	320	97	ug/kg	
91-20-3	Naphthalene	ND	320	130	ug/kg	
76-01-7	Pentachloroethane	ND	1600	320	ug/kg	
107-12-0	Propionitrile	ND	3200	780	ug/kg	
103-65-1	n-Propylbenzene	2060	320	78	ug/kg	
100-42-5	Styrene	ND	320	65	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	320	65	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	320	71	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	320	120	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	320	65	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	320	130	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	320	120	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	320	130	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB56-25		
Lab Sample ID:	F62062-5	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	7660	320	65	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	3230	320	65	ug/kg	
127-18-4	Tetrachloroethylene	ND	320	78	ug/kg	
108-88-3	Toluene	1650	320	65	ug/kg	
79-01-6	Trichloroethylene	ND	320	78	ug/kg	
75-69-4	Trichlorofluoromethane	ND	320	130	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	1600	320	ug/kg	
75-01-4	Vinyl chloride	ND	320	130	ug/kg	
108-05-4	Vinyl Acetate	ND	1600	780	ug/kg	
	m,p-Xylene	5760	650	120	ug/kg	
95-47-6	o-Xylene	3330	320	65	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%	100%	80-121%
2037-26-5	Toluene-D8	102%	95%	71-130%
460-00-4	4-Bromofluorobenzene	97%	94%	59-148%
17060-07-0	1,2-Dichloroethane-D4	107%	106%	77-123%

(a) Result is from Run# 2
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB56-25		
Lab Sample ID:	F62062-5	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	81.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045395.D	10	12/19/08	AH	12/09/08 11:44	n/a	GQR1972
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.73 g	5.0 ml	50.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	857	130	65	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	83%		56-136%
98-08-8	aaa-Trifluorotoluene	120% [a]		61-121%
98-08-8	aaa-Trifluorotoluene	141% [b]		61-121%

(a) Result reported from PID.
(b) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB56-25		
Lab Sample ID:	F62062-5	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	81.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10646.D	1	12/19/08	NY	12/10/08	OP27403	GYY380
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.0	mg/kg	
	TPH (> C22-C36)	ND	10	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	78%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB56-25-a		
Lab Sample ID:	F62062-6	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054974.D	1	12/18/08	MM	12/09/08 11:44	n/a	VG2075
Run #2	G0055013.D	1	12/19/08	MM	12/09/08 11:44	n/a	VG2076

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.91 g	5.0 ml	100 ul
Run #2	5.91 g	5.0 ml	50.0 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3100	1500	ug/kg	
75-05-8	Acetonitrile	ND	3100	990	ug/kg	
107-02-8	Acrolein	ND	1500	610	ug/kg	
107-13-1	Acrylonitrile	ND	1500	430	ug/kg	
107-05-1	Allyl chloride	ND	1500	310	ug/kg	
71-43-2	Benzene	1250	310	62	ug/kg	
100-44-7	Benzyl Chloride	ND	310	68	ug/kg	
108-86-1	Bromobenzene	ND	310	62	ug/kg	
74-97-5	Bromochloromethane	ND	310	110	ug/kg	
75-27-4	Bromodichloromethane	ND	310	74	ug/kg	
75-25-2	Bromoform	ND	310	93	ug/kg	
104-51-8	n-Butylbenzene	ND	310	87	ug/kg	
135-98-8	sec-Butylbenzene	378	310	68	ug/kg	
98-06-6	tert-Butylbenzene	159	310	68	ug/kg	J
108-90-7	Chlorobenzene	ND	310	62	ug/kg	
75-00-3	Chloroethane	ND	310	120	ug/kg	
67-66-3	Chloroform	ND	310	110	ug/kg	
544-10-5	1-Chlorohexane	ND	310	80	ug/kg	
95-49-8	o-Chlorotoluene	ND	310	62	ug/kg	
106-43-4	p-Chlorotoluene	ND	310	62	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1500	620	ug/kg	
75-15-0	Carbon disulfide	ND	310	68	ug/kg	
56-23-5	Carbon tetrachloride	ND	310	87	ug/kg	
75-34-3	1,1-Dichloroethane	ND	310	120	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	310	80	ug/kg	
563-58-6	1,1-Dichloropropene	ND	310	87	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	310	150	ug/kg	
106-93-4	1,2-Dibromoethane	ND	310	62	ug/kg	
107-06-2	1,2-Dichloroethane	ND	310	68	ug/kg	
78-87-5	1,2-Dichloropropane	ND	310	87	ug/kg	
142-28-9	1,3-Dichloropropane	ND	310	62	ug/kg	
594-20-7	2,2-Dichloropropane	ND	310	130	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB56-25-a		
Lab Sample ID:	F62062-6	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	310	62	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	310	120	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	310	99	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	310	80	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	1500	310	ug/kg	
541-73-1	m-Dichlorobenzene	ND	310	62	ug/kg	
95-50-1	o-Dichlorobenzene	ND	310	62	ug/kg	
106-46-7	p-Dichlorobenzene	ND	310	62	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	310	74	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	310	62	ug/kg	
100-41-4	Ethylbenzene	4590	310	62	ug/kg	
97-63-2	Ethyl methacrylate	ND	1500	310	ug/kg	
76-13-1	Freon 113	ND	310	160	ug/kg	
591-78-6	2-Hexanone	ND	1500	310	ug/kg	
87-68-3	Hexachlorobutadiene	ND	310	74	ug/kg	
110-54-3	Hexane	454	310	150	ug/kg	
98-82-8	Isopropylbenzene	17800 [a]	620	140	ug/kg	
99-87-6	p-Isopropyltoluene	ND	310	68	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1500	400	ug/kg	
126-98-7	Methacrylonitrile	ND	1500	340	ug/kg	
74-83-9	Methyl bromide	ND	310	140	ug/kg	
74-87-3	Methyl chloride	ND	310	150	ug/kg	
74-88-4	Methyl iodide	ND	620	120	ug/kg	
80-62-6	Methyl methacrylate	ND	1500	310	ug/kg	
74-95-3	Methylene bromide	ND	310	93	ug/kg	
75-09-2	Methylene chloride [b]	1730	620	310	ug/kg	
78-93-3	Methyl ethyl ketone	ND	1500	510	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	310	93	ug/kg	
91-20-3	Naphthalene	ND	310	120	ug/kg	
76-01-7	Pentachloroethane	ND	1500	310	ug/kg	
107-12-0	Propionitrile	ND	3100	740	ug/kg	
103-65-1	n-Propylbenzene	1780	310	74	ug/kg	
100-42-5	Styrene	ND	310	62	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	310	62	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	310	68	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	310	110	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	310	62	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	310	120	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	310	120	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	310	120	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB56-25-a		
Lab Sample ID:	F62062-6	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	3360	310	62	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	310	62	ug/kg	
127-18-4	Tetrachloroethylene	ND	310	74	ug/kg	
108-88-3	Toluene	463	310	62	ug/kg	
79-01-6	Trichloroethylene	ND	310	74	ug/kg	
75-69-4	Trichlorofluoromethane	ND	310	120	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	1500	310	ug/kg	
75-01-4	Vinyl chloride	ND	310	120	ug/kg	
108-05-4	Vinyl Acetate	ND	1500	740	ug/kg	
	m,p-Xylene	2210	620	120	ug/kg	
95-47-6	o-Xylene	1200	310	62	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%	100%	80-121%
2037-26-5	Toluene-D8	97%	94%	71-130%
460-00-4	4-Bromofluorobenzene	92%	94%	59-148%
17060-07-0	1,2-Dichloroethane-D4	104%	106%	77-123%

(a) Result is from Run# 2
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB56-25-a		
Lab Sample ID:	F62062-6	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	82.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045396.D	10	12/19/08	AH	12/09/08 11:44	n/a	GQR1972
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.91 g	5.0 ml	50.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	627	120	62	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%		56-136%
98-08-8	aaa-Trifluorotoluene	114% [a]		61-121%
98-08-8	aaa-Trifluorotoluene	126% [b]		61-121%

(a) Result reported from PID.
(b) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB56-25-a		
Lab Sample ID:	F62062-6	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	82.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24638.D	1	12/19/08	NY	12/10/08	OP27403	GLL918
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.0	mg/kg	
	TPH (> C22-C36)	ND	10	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB56-35		
Lab Sample ID:	F62062-7	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054975.D	1	12/18/08	MM	12/09/08 11:44	n/a	VG2075
Run #2							

	Initial Weight
Run #1	5.71 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	51	25	ug/kg	
75-05-8	Acetonitrile	ND	51	16	ug/kg	
107-02-8	Acrolein	ND	25	9.9	ug/kg	
107-13-1	Acrylonitrile	ND	25	7.0	ug/kg	
107-05-1	Allyl chloride	ND	25	5.1	ug/kg	
71-43-2	Benzene	ND	5.1	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.1	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.1	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.1	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.1	1.2	ug/kg	
75-25-2	Bromoform	ND	5.1	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.1	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.1	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.1	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.1	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.1	2.0	ug/kg	
67-66-3	Chloroform	ND	5.1	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.1	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.1	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.1	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.1	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.1	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.1	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.1	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.1	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.1	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.1	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.1	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.1	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.1	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.1	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB56-35		
Lab Sample ID:	F62062-7	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.1	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.1	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.1	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.1	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.1	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.1	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	1.1	5.1	1.0	ug/kg	J
106-46-7	p-Dichlorobenzene	ND	5.1	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.1	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.1	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.1	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.1	ug/kg	
76-13-1	Freon 113	ND	5.1	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.1	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.1	1.2	ug/kg	
110-54-3	Hexane	ND	5.1	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.1	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.1	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.5	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.6	ug/kg	
74-83-9	Methyl bromide	ND	5.1	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.1	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.1	ug/kg	
74-95-3	Methylene bromide	ND	5.1	1.5	ug/kg	
75-09-2	Methylene chloride [a]	7.2	10	5.1	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	25	8.4	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.1	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.1	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.1	ug/kg	
107-12-0	Propionitrile	ND	51	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.1	1.2	ug/kg	
100-42-5	Styrene	ND	5.1	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.1	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.1	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.1	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.1	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.1	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.1	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.1	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB56-35		
Lab Sample ID:	F62062-7	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.1	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.1	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.1	1.2	ug/kg	
108-88-3	Toluene	ND	5.1	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.1	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.1	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.1	ug/kg	
75-01-4	Vinyl chloride	ND	5.1	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.1	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-121%
2037-26-5	Toluene-D8	97%		71-130%
460-00-4	4-Bromofluorobenzene	95%		59-148%
17060-07-0	1,2-Dichloroethane-D4	110%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB56-35		
Lab Sample ID:	F62062-7	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	86.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045333.D	1	12/18/08	AH	12/09/08 11:44	n/a	GQR1970
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.79 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.8	2.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	93%		56-136%
98-08-8	aaa-Trifluorotoluene	84%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB56-35		
Lab Sample ID:	F62062-7	**Date Sampled:**	12/07/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	86.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24605.D	1	12/18/08	NY	12/11/08	OP27416	GLL917
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.5	5.7	mg/kg	
	TPH (> C22-C36)	ND	9.5	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	84%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F62062-8	**Date Sampled:**	12/07/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/09/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054976.D	1	12/18/08	MM	n/a	n/a	VG2075
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F62062-8	**Date Sampled:**	12/07/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/09/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride [a]	7.3	10	5.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F62062-8	**Date Sampled:**	12/07/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/09/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-121%
2037-26-5	Toluene-D8	94%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	109%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

F62062

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

Page 1 of 1

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number [1]: 12-08-2008-6

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Dustin McNeil / Greg Kinsman

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code (2)	Sample Number [3]	Sample Matrix [4]	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)					Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
1	SS61-SB55-17	SS61-SB55	07-Dec-2008	1220	15 - 17	N	01	SO	5	X	X	X									6
2	SS61-SB55-33	SS61-SB55	07-Dec-2008	1230	31 - 33	N	01	SO	5	X	X	X									6
3	SS61-SB55-40	SS61-SB55	07-Dec-2008	1240	38 - 40	N	01	SO	5	X	X	X									6
4	SS61-SB56-18	SS61-SB56	07-Dec-2008	1410	16 - 18	N	01	SO	5	X	X	X									6
5	SS61-SB56-25	SS61-SB56	07-Dec-2008	1420	23 - 25	N	01	SO	5	X	X	X									6
6	SS61-SB56-25a	SS61-SB56	07-Dec-2008	1420	23 - 25	FD	01	SO	5	X	X	X									6
7	SS61-SB56-35	SS61-SB56	07-Dec-2008	1440	33 - 35	N	01	SO	5	X	X	X									6
8	Trip Blank				-	TB		WQ	3	X											6
					-																
					-																
					-																

Sample Analysis Requested [5] | Quality Assurance Samples [6]

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).
Note: VOC Encores packed with dry ice.

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time	Received By (signed)	Date	Time
1.	J. Mink	12/08/08	1400			
2.					12-9-08	0930
3.						

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: Shipped No.:
Method of Shipment: Airbill Number:
Analytical Lab: Accutest Laboratories Delivery Location:
Lab Recipient: Delivery Date/Time:

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)
2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-t) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)
3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)
4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks
5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.
6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

0.4

F62062: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F62062 CLIENT: Blade PROJECT: SS-61

DATE/TIME RECEIVED: 12.9.08 09:30 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 0.4

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8683 0096 6724

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [X] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 28
NUMBER OF 5035 FIELD KITS ? TB
NUMBER OF LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE: E.T. 12-9-8 TECHNICIAN SIGNATURE/DATE: 12/9/08

ASBD 12/17/07

F62062: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F62062
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2075-MB	G0054966.D	1	12/18/08	MM	n/a	n/a	VG2075

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62062-1, F62062-2, F62062-3, F62062-4, F62062-5, F62062-6, F62062-7, F62062-8

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F62062
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2075-MB	G0054966.D	1	12/18/08	MM	n/a	n/a	VG2075

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62062-1, F62062-2, F62062-3, F62062-4, F62062-5, F62062-6, F62062-7, F62062-8

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F62062
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2075-MB	G0054966.D	1	12/18/08	MM	n/a	n/a	VG2075

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62062-1, F62062-2, F62062-3, F62062-4, F62062-5, F62062-6, F62062-7, F62062-8

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	104%	80-121%
2037-26-5	Toluene-D8	91%	71-130%
460-00-4	4-Bromofluorobenzene	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	109%	77-123%

Method Blank Summary

Job Number: F62062
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2076-MB	G0055010.D	1	12/19/08	MM	n/a	n/a	VG2076

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62062-2, F62062-5, F62062-6

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	103%	80-121%
2037-26-5	Toluene-D8	93%	71-130%
460-00-4	4-Bromofluorobenzene	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	104%	77-123%

Blank Spike Summary

Job Number: F62062
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2075-BS	G0054965.D	1	12/18/08	MM	n/a	n/a	VG2075

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62062-1, F62062-2, F62062-3, F62062-4, F62062-5, F62062-6, F62062-7, F62062-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	110	44*	61-144
75-05-8	Acetonitrile	500	455	91	59-139
107-02-8	Acrolein	250	59.5	24*	27-156
107-13-1	Acrylonitrile	250	237	95	55-144
107-05-1	Allyl chloride	50	35.8	72	41-152
71-43-2	Benzene	50	50.0	100	78-130
100-44-7	Benzyl Chloride	50	38.1	76	74-130
108-86-1	Bromobenzene	50	49.8	100	78-123
74-97-5	Bromochloromethane	50	41.3	83	72-122
75-27-4	Bromodichloromethane	50	47.6	95	73-122
75-25-2	Bromoform	50	43.2	86	70-139
104-51-8	n-Butylbenzene	50	51.4	103	80-138
135-98-8	sec-Butylbenzene	50	51.9	104	82-132
98-06-6	tert-Butylbenzene	50	53.0	106	79-130
108-90-7	Chlorobenzene	50	49.7	99	83-122
75-00-3	Chloroethane	50	42.2	84	61-153
67-66-3	Chloroform	50	51.2	102	79-129
544-10-5	1-Chlorohexane	50	53.1	106	85-137
95-49-8	o-Chlorotoluene	50	50.7	101	77-123
106-43-4	p-Chlorotoluene	50	51.1	102	78-129
110-75-8	2-Chloroethyl vinyl ether	250	275	110	52-142
75-15-0	Carbon disulfide	50	42.2	84	61-142
56-23-5	Carbon tetrachloride	50	48.6	97	79-135
75-34-3	1,1-Dichloroethane	50	51.8	104	77-132
75-35-4	1,1-Dichloroethylene	50	50.1	100	66-132
563-58-6	1,1-Dichloropropene	50	49.4	99	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	39.7	79	67-129
106-93-4	1,2-Dibromoethane	50	43.7	87	77-126
107-06-2	1,2-Dichloroethane	50	44.9	90	78-129
78-87-5	1,2-Dichloropropane	50	47.3	95	74-127
142-28-9	1,3-Dichloropropane	50	44.9	90	78-118
594-20-7	2,2-Dichloropropane	50	47.2	94	80-137
124-48-1	Dibromochloromethane	50	46.4	93	78-117
75-71-8	Dichlorodifluoromethane	50	30.7	61	35-162
156-59-2	cis-1,2-Dichloroethylene	50	46.8	94	74-123
10061-01-5	cis-1,3-Dichloropropene	50	49.9	100	79-130

Blank Spike Summary

Job Number: F62062
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2075-BS	G0054965.D	1	12/18/08	MM	n/a	n/a	VG2075

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62062-1, F62062-2, F62062-3, F62062-4, F62062-5, F62062-6, F62062-7, F62062-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	43.5	87	71-126
541-73-1	m-Dichlorobenzene	50	52.3	105	82-126
95-50-1	o-Dichlorobenzene	50	50.3	101	83-123
106-46-7	p-Dichlorobenzene	50	51.4	103	84-124
156-60-5	trans-1,2-Dichloroethylene	50	49.5	99	77-129
10061-02-6	trans-1,3-Dichloropropene	50	49.9	100	87-131
100-41-4	Ethylbenzene	50	49.9	100	82-124
97-63-2	Ethyl methacrylate	50	42.0	84	78-118
76-13-1	Freon 113	50	45.4	91	62-147
591-78-6	2-Hexanone	250	170	68	67-130
87-68-3	Hexachlorobutadiene	50	62.2	124	77-150
110-54-3	Hexane	50	49.2	98	65-147
98-82-8	Isopropylbenzene	50	51.5	103	82-133
99-87-6	p-Isopropyltoluene	50	51.4	103	82-132
108-10-1	4-Methyl-2-pentanone	250	194	78	69-125
126-98-7	Methacrylonitrile	500	490	98	70-138
74-83-9	Methyl bromide	50	43.5	87	60-146
74-87-3	Methyl chloride	50	43.5	87	58-163
74-88-4	Methyl iodide	50	38.9	78	66-128
80-62-6	Methyl methacrylate	50	43.4	87	73-125
74-95-3	Methylene bromide	50	45.8	92	75-128
75-09-2	Methylene chloride	50	56.6	113	62-140
78-93-3	Methyl ethyl ketone	250	150	60*	66-134
1634-04-4	Methyl Tert Butyl Ether	50	42.5	85	70-131
91-20-3	Naphthalene	50	44.5	89	59-143
76-01-7	Pentachloroethane	50	51.3	103	64-156
107-12-0	Propionitrile	500	367	73	73-133
103-65-1	n-Propylbenzene	50	52.8	106	78-129
100-42-5	Styrene	50	49.7	99	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	47.9	96	81-121
71-55-6	1,1,1-Trichloroethane	50	48.1	96	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	42.6	85	70-128
79-00-5	1,1,2-Trichloroethane	50	43.8	88	76-118
87-61-6	1,2,3-Trichlorobenzene	50	48.5	97	78-136
96-18-4	1,2,3-Trichloropropane	50	38.6	77	74-125
120-82-1	1,2,4-Trichlorobenzene	50	50.7	101	82-137

Blank Spike Summary

Job Number: F62062
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2075-BS	G0054965.D	1	12/18/08	MM	n/a	n/a	VG2075

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62062-1, F62062-2, F62062-3, F62062-4, F62062-5, F62062-6, F62062-7, F62062-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	52.1	104	77-129
108-67-8	1,3,5-Trimethylbenzene	50	53.3	107	79-129
127-18-4	Tetrachloroethylene	50	53.8	108	79-132
108-88-3	Toluene	50	49.2	98	80-123
79-01-6	Trichloroethylene	50	48.4	97	78-132
75-69-4	Trichlorofluoromethane	50	43.3	87	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	86.2	172*	74-138
75-01-4	Vinyl chloride	50	39.8	80	60-145
108-05-4	Vinyl Acetate	250	177	71	25-164
	m,p-Xylene	100	102	102	82-128
95-47-6	o-Xylene	50	49.3	99	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	95%	80-121%
2037-26-5	Toluene-D8	99%	71-130%
460-00-4	4-Bromofluorobenzene	100%	59-148%
17060-07-0	1,2-Dichloroethane-D4	89%	77-123%

Blank Spike Summary

Job Number: F62062
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2076-BS	G0055009.D	1	12/19/08	MM	n/a	n/a	VG2076

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62062-2, F62062-5, F62062-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
98-82-8	Isopropylbenzene	50	52.0	104	82-133
95-63-6	1,2,4-Trimethylbenzene	50	55.1	110	77-129

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	80-121%
2037-26-5	Toluene-D8	96%	71-130%
460-00-4	4-Bromofluorobenzene	100%	59-148%
17060-07-0	1,2-Dichloroethane-D4	89%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62062
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62062-1MS	G0054968.D	1	12/18/08	MM	n/a	n/a	VG2075
F62062-1MSD	G0054969.D	1	12/18/08	MM	n/a	n/a	VG2075
F62062-1	G0054967.D	1	12/18/08	MM	n/a	n/a	VG2075

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62062-1, F62062-2, F62062-3, F62062-4, F62062-5, F62062-6, F62062-7, F62062-8

CAS No.	Compound	F62062-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		285	125	44*	109	39*	14	61-144/29
75-05-8	Acetonitrile	ND		569	598	105	503	90	17	59-139/30
107-02-8	Acrolein	ND		285	ND	0*	ND	0*	nc	27-156/39
107-13-1	Acrylonitrile	ND		285	259	91	239	85	8	55-144/24
107-05-1	Allyl chloride	ND		56.9	36.6	64	31.9	57	14	41-152/24
71-43-2	Benzene	ND		56.9	53.3	94	50.9	91	5	78-130/25
100-44-7	Benzyl Chloride	ND		56.9	40.7	71*	33.6	60*	19	74-130/28
108-86-1	Bromobenzene	ND		56.9	52.0	91	49.3	88	5	78-123/30
74-97-5	Bromochloromethane	ND		56.9	48.0	84	47.0	84	2	72-122/23
75-27-4	Bromodichloromethane	ND		56.9	51.5	90	48.2	86	7	73-122/25
75-25-2	Bromoform	ND		56.9	48.7	86	44.7	80	9	70-139/26
104-51-8	n-Butylbenzene	ND		56.9	50.2	88	48.5	87	3	80-138/31
135-98-8	sec-Butylbenzene	ND		56.9	52.8	93	50.3	90	5	82-132/29
98-06-6	tert-Butylbenzene	ND		56.9	52.6	92	49.4	88	6	79-130/29
108-90-7	Chlorobenzene	ND		56.9	50.9	89	49.2	88	3	83-122/23
75-00-3	Chloroethane	ND		56.9	43.1	76	41.3	74	4	61-153/31
67-66-3	Chloroform	ND		56.9	55.4	97	52.1	93	6	79-129/27
544-10-5	1-Chlorohexane	ND		56.9	52.5	92	51.0	91	3	85-137/29
95-49-8	o-Chlorotoluene	ND		56.9	50.9	89	49.1	88	4	77-123/31
106-43-4	p-Chlorotoluene	ND		56.9	51.4	90	49.4	88	4	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		285	328	115	300	107	9	52-142/25
75-15-0	Carbon disulfide	ND		56.9	43.0	76	41.9	75	3	61-142/27
56-23-5	Carbon tetrachloride	ND		56.9	52.0	91	49.4	88	5	79-135/29
75-34-3	1,1-Dichloroethane	ND		56.9	54.9	96	52.5	94	4	77-132/26
75-35-4	1,1-Dichloroethylene	ND		56.9	52.6	92	52.1	93	1	66-132/27
563-58-6	1,1-Dichloropropene	ND		56.9	53.5	94	51.0	91	5	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		56.9	42.7	75	43.2	77	1	67-129/29
106-93-4	1,2-Dibromoethane	ND		56.9	47.5	83	44.5	80	7	77-126/24
107-06-2	1,2-Dichloroethane	ND		56.9	51.1	90	47.8	85	7	78-129/24
78-87-5	1,2-Dichloropropane	ND		56.9	52.7	93	49.1	88	7	74-127/27
142-28-9	1,3-Dichloropropane	ND		56.9	47.6	84	45.9	82	4	78-118/26
594-20-7	2,2-Dichloropropane	ND		56.9	47.5	83	44.8	80	6	80-137/28
124-48-1	Dibromochloromethane	ND		56.9	49.8	87	47.4	85	5	78-117/27
75-71-8	Dichlorodifluoromethane	ND		56.9	30.3	53	28.0	50	8	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		56.9	51.1	90	48.0	86	6	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		56.9	53.5	94	49.7	89	7	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62062
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62062-1MS	G0054968.D	1	12/18/08	MM	n/a	n/a	VG2075
F62062-1MSD	G0054969.D	1	12/18/08	MM	n/a	n/a	VG2075
F62062-1	G0054967.D	1	12/18/08	MM	n/a	n/a	VG2075

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62062-1, F62062-2, F62062-3, F62062-4, F62062-5, F62062-6, F62062-7, F62062-8

CAS No.	Compound	F62062-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		56.9	51.4	90	47.8	85	7	71-126/28
541-73-1	m-Dichlorobenzene	ND		56.9	54.5	96	51.4	92	6	82-126/29
95-50-1	o-Dichlorobenzene	ND		56.9	52.3	92	49.3	88	6	83-123/28
106-46-7	p-Dichlorobenzene	ND		56.9	52.6	92	50.8	91	3	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		56.9	52.2	92	51.9	93	1	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		56.9	52.7	93	51.3	92	3	87-131/27
100-41-4	Ethylbenzene	ND		56.9	50.8	89	49.2	88	3	82-124/25
97-63-2	Ethyl methacrylate	ND		56.9	24.2	42*	21.9	39*	10	78-118/30
76-13-1	Freon 113	ND		56.9	48.8	86	46.5	83	5	62-147/29
591-78-6	2-Hexanone	ND		285	193	68	174	62*	10	67-130/29
87-68-3	Hexachlorobutadiene	ND		56.9	58.7	103	57.8	103	2	77-150/36
110-54-3	Hexane	ND		56.9	50.3	88	47.9	86	5	65-147/27
98-82-8	Isopropylbenzene	ND		56.9	51.0	90	49.3	88	3	82-133/27
99-87-6	p-Isopropyltoluene	ND		56.9	51.6	91	49.9	89	3	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		285	239	84	213	76	12	69-125/24
126-98-7	Methacrylonitrile	ND		569	610	107	560	100	9	70-138/22
74-83-9	Methyl bromide	ND		56.9	45.8	80	42.9	77	7	60-146/31
74-87-3	Methyl chloride	ND		56.9	43.2	76	40.5	72	6	58-163/26
74-88-4	Methyl iodide	ND		56.9	41.1	72	40.5	72	1	66-128/27
80-62-6	Methyl methacrylate	ND		56.9	63.0	111	57.3	102	9	73-125/24
74-95-3	Methylene bromide	ND		56.9	50.5	89	49.0	88	3	75-128/26
75-09-2	Methylene chloride	15.8		56.9	73.5	101	73.6	103	0	62-140/25
78-93-3	Methyl ethyl ketone	ND		285	172	60*	153	55*	12	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		56.9	48.6	85	45.2	81	7	70-131/25
91-20-3	Naphthalene	ND		56.9	51.0	90	45.7	82	11	59-143/31
76-01-7	Pentachloroethane	ND		56.9	56.8	100	52.3	94	8	64-156/37
107-12-0	Propionitrile	ND		569	476	84	428	77	11	73-133/23
103-65-1	n-Propylbenzene	ND		56.9	51.0	90	49.4	88	3	78-129/29
100-42-5	Styrene	ND		56.9	50.9	89	50.2	90	1	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		56.9	50.8	89	46.5	83	9	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		56.9	53.5	94	50.2	90	6	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		56.9	50.4	89	44.7	80	12	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		56.9	48.4	85	44.1	79	9	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		56.9	48.9	86	46.9	84	4	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		56.9	44.9	79	41.4	74	8	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		56.9	52.2	92	49.5	89	5	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62062
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62062-1MS	G0054968.D	1	12/18/08	MM	n/a	n/a	VG2075
F62062-1MSD	G0054969.D	1	12/18/08	MM	n/a	n/a	VG2075
F62062-1	G0054967.D	1	12/18/08	MM	n/a	n/a	VG2075

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62062-1, F62062-2, F62062-3, F62062-4, F62062-5, F62062-6, F62062-7, F62062-8

CAS No.	Compound	F62062-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		56.9	53.2	93	50.9	91	4	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		56.9	53.6	94	52.3	94	2	79-129/31
127-18-4	Tetrachloroethylene	ND		56.9	55.0	97	53.5	96	3	79-132/27
108-88-3	Toluene	ND		56.9	50.4	89	48.8	87	3	80-123/26
79-01-6	Trichloroethylene	ND		56.9	52.6	92	49.4	88	6	78-132/28
75-69-4	Trichlorofluoromethane	ND		56.9	45.6	80	44.7	80	2	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		56.9	97.4	171*	90.2	161*	8	74-138/30
75-01-4	Vinyl chloride	ND		56.9	41.1	72	39.8	71	3	60-145/29
108-05-4	Vinyl Acetate	ND		285	66.7	23*	56.8	20*	16	25-164/35
	m,p-Xylene	ND		114	105	92	102	91	3	82-128/25
95-47-6	o-Xylene	ND		56.9	50.9	89	49.1	88	4	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F62062-1	Limits
1868-53-7	Dibromofluoromethane	102%	103%	106%	80-121%
2037-26-5	Toluene-D8	95%	97%	95%	71-130%
460-00-4	4-Bromofluorobenzene	101%	99%	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	105%	96%	109%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62062
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62255-1MS	G0055018.D	1	12/19/08	MM	n/a	n/a	VG2076
F62255-1MSD	G0055019.D	1	12/19/08	MM	n/a	n/a	VG2076
F62255-1	G0055017.D	1	12/19/08	MM	n/a	n/a	VG2076

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62062-2, F62062-5, F62062-6

CAS No.	Compound	F62255-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
98-82-8	Isopropylbenzene	4.3	U	58	56.7	98	48.6	85	15	82-133/27
95-63-6	1,2,4-Trimethylbenzene	4.3	U	58	56.8	98	48.3	84	16	77-129/29

CAS No.	Surrogate Recoveries	MS	MSD	F62255-1	Limits
1868-53-7	Dibromofluoromethane	103%	102%	106%	80-121%
2037-26-5	Toluene-D8	99%	96%	103%	71-130%
460-00-4	4-Bromofluorobenzene	102%	98%	103%	59-148%
17060-07-0	1,2-Dichloroethane-D4	97%	98%	109%	77-123%

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F62062
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1970-MB	QR045326.D	1	12/18/08	AH	n/a	n/a	GQR1970

The QC reported here applies to the following samples: **Method:** SW846 8015

F62062-1, F62062-4, F62062-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	90%	56-136%
98-08-8	aaa-Trifluorotoluene	79%	61-121%

Method Blank Summary

Job Number: F62062
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1972-MB	QR045392.D	1	12/19/08	AH	n/a	n/a	GQR1972

The QC reported here applies to the following samples: **Method:** SW846 8015

F62062-2, F62062-3, F62062-5, F62062-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	76%	56-136%
98-08-8	aaa-Trifluorotoluene	80%	61-121%

Blank Spike Summary

Job Number: F62062
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1970-BS	QR045325.D	1	12/18/08	AH	n/a	n/a	GQR1970

The QC reported here applies to the following samples: **Method:** SW846 8015

F62062-1, F62062-4, F62062-7

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	20.7	104	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	109%	56-136%
98-08-8	aaa-Trifluorotoluene	97%	61-121%

Blank Spike Summary

Job Number: F62062
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1972-BS	QR045391.D	1	12/19/08	AH	n/a	n/a	GQR1972

The QC reported here applies to the following samples: **Method:** SW846 8015

F62062-2, F62062-3, F62062-5, F62062-6

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	18.6	93	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	96%	56-136%
98-08-8	aaa-Trifluorotoluene	101%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62062
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62103-4MS	QR045348.D	1	12/18/08	AH	n/a	n/a	GQR1970
F62103-4MSD	QR045349.D	1	12/18/08	AH	n/a	n/a	GQR1970
F62103-4	QR045344.D	1	12/18/08	AH	n/a	n/a	GQR1970

The QC reported here applies to the following samples: **Method:** SW846 8015

F62062-1, F62062-4, F62062-7

CAS No.	Compound	F62103-4 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	26.6		28.2	47.0	72*	47.5	74	1	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F62103-4	Limits
460-00-4	4-Bromofluorobenzene	107%	112%	103%	56-136%
98-08-8	aaa-Trifluorotoluene	104%	109%	91%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62062
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62062-3MS	QR045416.D	1	12/20/08	AH	n/a	n/a	GQR1972
F62062-3MSD	QR045417.D	1	12/20/08	AH	n/a	n/a	GQR1972
F62062-3	QR045394.D	1	12/19/08	AH	n/a	n/a	GQR1972

The QC reported here applies to the following samples: **Method:** SW846 8015

F62062-2, F62062-3, F62062-5, F62062-6

CAS No.	Compound	F62062-3 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		22	20.7	94	20.7	94	0	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F62062-3	Limits
460-00-4	4-Bromofluorobenzene	93%	101%	74%	56-136%
98-08-8	aaa-Trifluorotoluene	100%	96%	80%	61-121%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F62062
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27403-MB	YY10618.D	1	12/18/08	NY	12/10/08	OP27403	GYY380

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62062-1, F62062-2, F62062-3, F62062-4, F62062-5, F62062-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	96%	49-108%

Method Blank Summary

Job Number: F62062
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27403-MB	LL24636.D	1	12/19/08	NY	12/10/08	OP27403	GLL918

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62062-1, F62062-2, F62062-3, F62062-4, F62062-5, F62062-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	87%	49-108%

Method Blank Summary

Job Number: F62062
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27416-MB	LL24604.D	1	12/18/08	NY	12/11/08	OP27416	GLL917

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62062-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	86%	49-108%

Blank Spike Summary

Job Number: F62062
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27403-BS	YY10617.D	1	12/18/08	NY	12/10/08	OP27403	GYY380

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62062-1, F62062-2, F62062-3, F62062-4, F62062-5, F62062-6

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	34.5	104*	64-102
	TPH (> C22-C36)	33.3	36.6	110	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	100%	49-108%

Blank Spike Summary

Job Number: F62062
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27416-BS	LL24603.D	1	12/18/08	NY	12/11/08	OP27416	GLL917

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62062-7

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	31.0	93	64-102
	TPH (> C22-C36)	33.3	37.1	111	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	91%	49-108%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62062
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27403-MS	YY10622.D	1	12/18/08	NY	12/10/08	OP27403	GYY380
OP27403-MSD	YY10623.D	1	12/18/08	NY	12/10/08	OP27403	GYY380
F62060-1	YY10619.D	1	12/18/08	NY	12/10/08	OP27403	GYY380

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62062-1, F62062-2, F62062-3, F62062-4, F62062-5, F62062-6

CAS No.	Compound	F62060-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		38.6	36.2	94	32.0	84	12	64-102/32
	TPH (> C22-C36)	ND		38.6	35.7	92	36.1	95	1	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F62060-1	Limits
84-15-1	o-Terphenyl	91%	83%	85%	49-108%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62062
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27416-MS	LL24627.D	1	12/19/08	NY	12/11/08	OP27416	GLL917
OP27416-MSD	LL24628.D	1	12/19/08	NY	12/11/08	OP27416	GLL917
F62103-4	LL24626.D	1	12/19/08	NY	12/11/08	OP27416	GLL917

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62062-7

CAS No.	Compound	F62103-4 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		43	39.4	92	38.3	90	3	64-102/32
	TPH (> C22-C36)	ND		43	50.1	116	52.0	122	4	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F62103-4	Limits
84-15-1	o-Terphenyl	91%	92%	84%	49-108%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/29/08

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F62063

Sampling Date: 12/06/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: 75

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Note: This report is password protected to disallow document modification or assembly.
A password to unlock this report is available from your client service representative.

Sections: 1 2 3 4 5 6 7

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F62063-1: SS61-SB51-20 7
3.2: F62063-2: SS61-SB51-25 12
3.3: F62063-3: SS61-SB51-35 17
3.4: F62063-4: SS61-SB52-21 22
3.5: F62063-5: SS61-SB52-30 27
3.6: F62063-6: SS61-SB52-35 32
3.7: F62063-7: TRIP BLANK 37
Section 4: Misc. Forms **40**
4.1: Chain of Custody 41
Section 5: GC/MS Volatiles - QC Data Summaries **43**
5.1: Method Blank Summary 44
5.2: Blank Spike Summary 51
5.3: Matrix Spike/Matrix Spike Duplicate Summary 58
Section 6: GC Volatiles - QC Data Summaries **65**
6.1: Method Blank Summary 66
6.2: Blank Spike Summary 68
6.3: Matrix Spike/Matrix Spike Duplicate Summary 70
Section 7: GC Semi-volatiles - QC Data Summaries **72**
7.1: Method Blank Summary 73
7.2: Blank Spike Summary 74
7.3: Matrix Spike/Matrix Spike Duplicate Summary 75

Sample Summary

North Wind, Inc

Job No: F62063

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F62063-1	12/06/08	13:35	ZB	12/09/08	SO	Soil	SS61-SB51-20
F62063-2	12/06/08	13:45	ZB	12/09/08	SO	Soil	SS61-SB51-25
F62063-3	12/06/08	13:55	ZB	12/09/08	SO	Soil	SS61-SB51-35
F62063-4	12/06/08	14:55	ZB	12/09/08	SO	Soil	SS61-SB52-21
F62063-5	12/06/08	15:10	ZB	12/09/08	SO	Soil	SS61-SB52-30
F62063-6	12/06/08	15:25	ZB	12/09/08	SO	Soil	SS61-SB52-35
F62063-7	12/06/08	00:00	ZB	12/09/08	SO	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F62063

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/23/2008 1:57:08

6 Samples, 1 Trip Blank were collected on 12/06/2008 and received at Accutest on 12/09/2008 properly preserved, at 0.2 Deg. C and intact. These Samples received an Accutest job number of F62063. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2074

All samples were analyzed within the recommended method holding time.

Sample(s) F62060-1MS, F62060-1MSD were used as the QC samples indicated.

Sample(s) F62063-1, F62063-2, F62063-3, F62063-4, F62063-5, F62063-6 have compound(s) reported with a “B” qualifier, indicating analyte is found in the associated method blank.

Blank Spike Recovery(s) for 1,2,3-Trichloropropane, Acrylonitrile, Bromoform, Ethyl methacrylate, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for Acetone, Acrolein, Acrylonitrile, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for Acetone, Acrolein, Acrylonitrile, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

RPD(s) for MSD for 2-Chloroethyl vinyl ether, Chloroethane, cis-1,3-Dichloropropene, Dichlorodifluoromethane, Methyl bromide, Methyl chloride, Vinyl Acetate, Vinyl chloride are outside control limits for sample F62060-1MSD. Probable cause due to sample homogeneity.

F62063-1: En Core samples were not preserved within 48 hours.

F62063-2: En Core samples were not preserved within 48 hours.

F62063-3: En Core samples were not preserved within 48 hours.

F62063-4: En Core samples were not preserved within 48 hours.

F62063-5: En Core samples were not preserved within 48 hours.

F62063-6: En Core samples were not preserved within 48 hours.

F62063-6 for Methylene chloride: Suspected laboratory contaminant.

F62063-4 for Methylene chloride: Suspected laboratory contaminant.

F62063-2 for Methylene chloride: Suspected laboratory contaminant.

F62063-5 for Methylene chloride: Suspected laboratory contaminant.

F62063-1 for Methylene chloride: Suspected laboratory contaminant.

F62063-3 for Methylene chloride: Suspected laboratory contaminant.

Matrix: SO **Batch ID:** VG2075

All samples were analyzed within the recommended method holding time.

Sample(s) F62062-1MS, F62062-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

F62063-2: En Core samples were not preserved within 48 hours.

Matrix: SO **Batch ID:** VG2077

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2077

Sample(s) F62103-4MS, F62103-4MSD were used as the QC samples indicated.

Blank Spike Recovery(s) for 2,2-Dichloropropane, 2-Hexanone, Acetone, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for 2-Hexanone, Acetone, Acrolein, Benzyl Chloride, Ethyl methacrylate, Isopropylbenzene, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for Acetone, Acrolein, Ethyl methacrylate, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene

are outside control limits. Probable cause due to matrix interference.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GCD3634

All samples were analyzed within the recommended method holding time.
All method blanks for this batch meet method specific criteria.
Sample(s) F62063-1MS, F62063-1MSD were used as the QC samples indicated.
F62063-1: En Core samples were not preserved within 48 hours.
F62063-3: En Core samples were not preserved within 48 hours.
F62063-4: En Core samples were not preserved within 48 hours.
F62063-5: En Core samples were not preserved within 48 hours.
F62063-6: En Core samples were not preserved within 48 hours.

Matrix: SO **Batch ID:** GQR1972

All samples were analyzed within the recommended method holding time.
All method blanks for this batch meet method specific criteria.
Sample(s) F62062-3MS, F62062-3MSD were used as the QC samples indicated.
F62063-2: En Core samples were not preserved within 48 hours.

Extractables by GC By Method SW846 8015 M

Matrix: SO **Batch ID:** OP27416

All samples were extracted within the recommended method holding time.
All samples were analyzed within the recommended method holding time.
Sample(s) F62103-4MS, F62103-4MSD were used as the QC samples indicated.
All method blanks for this batch meet method specific criteria.

Wet Chemistry By Method SM19 2540B M

Matrix: SO **Batch ID:** GN33103

Sample(s) F62062-1DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____

Svetlana Izosimova, QAO (signature on file)

Date: December 24, 2008

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-SB51-20		
Lab Sample ID:	F62063-1	**Date Sampled:**	12/06/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	89.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054927.D	1	12/17/08	MM	12/09/08 16:04	n/a	VG2074
Run #2							

	Initial Weight
Run #1	5.64 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.7	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	0.99	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	0.99	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	0.99	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	0.99	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	0.99	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	9.9	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	0.99	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	0.99	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB51-20		
Lab Sample ID:	F62063-1	**Date Sampled:**	12/06/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	89.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	0.99	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	0.99	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	0.99	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	0.99	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	0.99	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	0.99	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	9.9	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride [b]	8.6	9.9	5.0	ug/kg	JB
78-93-3	Methyl ethyl ketone	ND	25	8.2	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	0.99	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.99	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.99	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB51-20		
Lab Sample ID:	F62063-1	**Date Sampled:**	12/06/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	89.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.99	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.99	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	0.99	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	9.9	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	0.99	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		80-121%
2037-26-5	Toluene-D8	93%		71-130%
460-00-4	4-Bromofluorobenzene	103%		59-148%
17060-07-0	1,2-Dichloroethane-D4	113%		77-123%

(a) En Core samples were not preserved within 48 hours.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB51-20		
Lab Sample ID:	F62063-1	**Date Sampled:**	12/06/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	89.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD086419.D	1	12/12/08	JG	12/09/08 16:04	n/a	GCD3634
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.87 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.4	2.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	85%		56-136%
98-08-8	aaa-Trifluorotoluene	86%		61-121%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB51-20		
Lab Sample ID:	F62063-1	**Date Sampled:**	12/06/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	89.2
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24606.D	1	12/18/08	NY	12/11/08	OP27416	GLL917
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.3	5.6	mg/kg	
	TPH (> C22-C36)	ND	9.3	5.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	86%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB51-25		
Lab Sample ID:	F62063-2	**Date Sampled:**	12/06/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054928.D	1	12/17/08	MM	12/09/08 16:04	n/a	VG2074
Run #2 [a]	G0054983.D	1	12/18/08	MM	12/09/08 16:04	n/a	VG2075

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.62 g	5.0 ml	100 ul
Run #2	5.62 g	5.0 ml	20.0 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	2900	1400	ug/kg	
75-05-8	Acetonitrile	ND	2900	930	ug/kg	
107-02-8	Acrolein	ND	1400	570	ug/kg	
107-13-1	Acrylonitrile	ND	1400	400	ug/kg	
107-05-1	Allyl chloride	ND	1400	290	ug/kg	
71-43-2	Benzene	349	290	58	ug/kg	
100-44-7	Benzyl Chloride	ND	290	64	ug/kg	
108-86-1	Bromobenzene	ND	290	58	ug/kg	
74-97-5	Bromochloromethane	ND	290	99	ug/kg	
75-27-4	Bromodichloromethane	ND	290	70	ug/kg	
75-25-2	Bromoform	ND	290	87	ug/kg	
104-51-8	n-Butylbenzene	ND	290	81	ug/kg	
135-98-8	sec-Butylbenzene	646	290	64	ug/kg	
98-06-6	tert-Butylbenzene	259	290	64	ug/kg	J
108-90-7	Chlorobenzene	ND	290	58	ug/kg	
75-00-3	Chloroethane	ND	290	120	ug/kg	
67-66-3	Chloroform	ND	290	99	ug/kg	
544-10-5	1-Chlorohexane	ND	290	75	ug/kg	
95-49-8	o-Chlorotoluene	ND	290	58	ug/kg	
106-43-4	p-Chlorotoluene	ND	290	58	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1400	580	ug/kg	
75-15-0	Carbon disulfide	ND	290	64	ug/kg	
56-23-5	Carbon tetrachloride	ND	290	81	ug/kg	
75-34-3	1,1-Dichloroethane	ND	290	120	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	290	75	ug/kg	
563-58-6	1,1-Dichloropropene	ND	290	81	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	290	140	ug/kg	
106-93-4	1,2-Dibromoethane	ND	290	58	ug/kg	
107-06-2	1,2-Dichloroethane	ND	290	64	ug/kg	
78-87-5	1,2-Dichloropropane	ND	290	81	ug/kg	
142-28-9	1,3-Dichloropropane	ND	290	58	ug/kg	
594-20-7	2,2-Dichloropropane	ND	290	120	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB51-25		
Lab Sample ID:	F62063-2	**Date Sampled:**	12/06/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	290	58	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	290	120	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	290	93	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	290	75	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	1400	290	ug/kg	
541-73-1	m-Dichlorobenzene	ND	290	58	ug/kg	
95-50-1	o-Dichlorobenzene	ND	290	58	ug/kg	
106-46-7	p-Dichlorobenzene	ND	290	58	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	290	70	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	290	58	ug/kg	
100-41-4	Ethylbenzene	5650	290	58	ug/kg	
97-63-2	Ethyl methacrylate	ND	1400	290	ug/kg	
76-13-1	Freon 113	ND	290	150	ug/kg	
591-78-6	2-Hexanone	ND	1400	290	ug/kg	
87-68-3	Hexachlorobutadiene	ND	290	70	ug/kg	
110-54-3	Hexane	532	290	140	ug/kg	
98-82-8	Isopropylbenzene	26900 [b]	1400	320	ug/kg	
99-87-6	p-Isopropyltoluene	ND	290	64	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1400	370	ug/kg	
126-98-7	Methacrylonitrile	ND	1400	320	ug/kg	
74-83-9	Methyl bromide	ND	290	130	ug/kg	
74-87-3	Methyl chloride	ND	290	140	ug/kg	
74-88-4	Methyl iodide	ND	580	120	ug/kg	
80-62-6	Methyl methacrylate	ND	1400	290	ug/kg	
74-95-3	Methylene bromide	ND	290	87	ug/kg	
75-09-2	Methylene chloride [c]	601	580	290	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	1400	480	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	290	87	ug/kg	
91-20-3	Naphthalene	ND	290	120	ug/kg	
76-01-7	Pentachloroethane	ND	1400	290	ug/kg	
107-12-0	Propionitrile	ND	2900	700	ug/kg	
103-65-1	n-Propylbenzene	1330	290	70	ug/kg	
100-42-5	Styrene	ND	290	58	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	290	58	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	290	64	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	290	100	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	290	58	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	290	120	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	290	110	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	290	120	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB51-25		
Lab Sample ID:	F62063-2	**Date Sampled:**	12/06/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	316	290	58	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	285	290	58	ug/kg	J
127-18-4	Tetrachloroethylene	ND	290	70	ug/kg	
108-88-3	Toluene	ND	290	58	ug/kg	
79-01-6	Trichloroethylene	ND	290	70	ug/kg	
75-69-4	Trichlorofluoromethane	ND	290	120	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	1400	290	ug/kg	
75-01-4	Vinyl chloride	ND	290	120	ug/kg	
108-05-4	Vinyl Acetate	ND	1400	700	ug/kg	
	m,p-Xylene	ND	580	110	ug/kg	
95-47-6	o-Xylene	258	290	58	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%	100%	80-121%
2037-26-5	Toluene-D8	98%	92%	71-130%
460-00-4	4-Bromofluorobenzene	94%	96%	59-148%
17060-07-0	1,2-Dichloroethane-D4	106%	112%	77-123%

(a) En Core samples were not preserved within 48 hours.
(b) Result is from Run# 2
(c) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB51-25		
Lab Sample ID:	F62063-2	**Date Sampled:**	12/06/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	87.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	QR045399.D	10	12/19/08	AH	12/09/08 16:04	n/a	GQR1972
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.62 g	5.0 ml	50.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	519	120	58	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	87%		56-136%
98-08-8	aaa-Trifluorotoluene	107%		61-121%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB51-25		
Lab Sample ID:	F62063-2	**Date Sampled:**	12/06/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	87.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24607.D	1	12/18/08	NY	12/11/08	OP27416	GLL917
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.5	5.7	mg/kg	
	TPH (> C22-C36)	ND	9.5	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	77%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB51-35		
Lab Sample ID:	F62063-3	**Date Sampled:**	12/06/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054929.D	1	12/17/08	MM	12/09/08 14:19	n/a	VG2074
Run #2							

	Initial Weight
Run #1	2.32 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	120	62	ug/kg	
75-05-8	Acetonitrile	ND	120	40	ug/kg	
107-02-8	Acrolein	ND	62	24	ug/kg	
107-13-1	Acrylonitrile	ND	62	17	ug/kg	
107-05-1	Allyl chloride	ND	62	12	ug/kg	
71-43-2	Benzene	13.3	12	2.5	ug/kg	
100-44-7	Benzyl Chloride	ND	12	2.7	ug/kg	
108-86-1	Bromobenzene	ND	12	2.5	ug/kg	
74-97-5	Bromochloromethane	ND	12	4.2	ug/kg	
75-27-4	Bromodichloromethane	ND	12	3.0	ug/kg	
75-25-2	Bromoform	ND	12	3.7	ug/kg	
104-51-8	n-Butylbenzene	ND	12	3.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	12	2.7	ug/kg	
98-06-6	tert-Butylbenzene	ND	12	2.7	ug/kg	
108-90-7	Chlorobenzene	ND	12	2.5	ug/kg	
75-00-3	Chloroethane	ND	12	5.0	ug/kg	
67-66-3	Chloroform	ND	12	4.2	ug/kg	
544-10-5	1-Chlorohexane	ND	12	3.2	ug/kg	
95-49-8	o-Chlorotoluene	ND	12	2.5	ug/kg	
106-43-4	p-Chlorotoluene	ND	12	2.5	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	62	25	ug/kg	
75-15-0	Carbon disulfide	ND	12	2.7	ug/kg	
56-23-5	Carbon tetrachloride	ND	12	3.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	12	5.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	12	3.2	ug/kg	
563-58-6	1,1-Dichloropropene	ND	12	3.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	6.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	12	2.5	ug/kg	
107-06-2	1,2-Dichloroethane	4.2	12	2.7	ug/kg	J
78-87-5	1,2-Dichloropropane	ND	12	3.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	12	2.5	ug/kg	
594-20-7	2,2-Dichloropropane	ND	12	5.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB51-35		
Lab Sample ID:	F62063-3	**Date Sampled:**	12/06/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	12	2.5	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	12	5.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	12	4.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	12	3.2	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	62	12	ug/kg	
541-73-1	m-Dichlorobenzene	ND	12	2.5	ug/kg	
95-50-1	o-Dichlorobenzene	ND	12	2.5	ug/kg	
106-46-7	p-Dichlorobenzene	ND	12	2.5	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	12	3.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	12	2.5	ug/kg	
100-41-4	Ethylbenzene	ND	12	2.5	ug/kg	
97-63-2	Ethyl methacrylate	ND	62	12	ug/kg	
76-13-1	Freon 113	ND	12	6.5	ug/kg	
591-78-6	2-Hexanone	ND	62	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	12	3.0	ug/kg	
110-54-3	Hexane	ND	12	6.0	ug/kg	
98-82-8	Isopropylbenzene	295	12	2.7	ug/kg	
99-87-6	p-Isopropyltoluene	ND	12	2.7	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	62	16	ug/kg	
126-98-7	Methacrylonitrile	ND	62	14	ug/kg	
74-83-9	Methyl bromide	ND	12	5.5	ug/kg	
74-87-3	Methyl chloride	ND	12	6.0	ug/kg	
74-88-4	Methyl iodide	ND	25	5.0	ug/kg	
80-62-6	Methyl methacrylate	ND	62	12	ug/kg	
74-95-3	Methylene bromide	ND	12	3.7	ug/kg	
75-09-2	Methylene chloride [b]	46.4	25	12	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	62	21	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	12	3.7	ug/kg	
91-20-3	Naphthalene	ND	12	5.0	ug/kg	
76-01-7	Pentachloroethane	ND	62	12	ug/kg	
107-12-0	Propionitrile	ND	120	30	ug/kg	
103-65-1	n-Propylbenzene	ND	12	3.0	ug/kg	
100-42-5	Styrene	ND	12	2.5	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	12	2.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	12	2.7	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	12	4.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	12	2.5	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	12	5.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	12	4.7	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	12	5.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB51-35		
Lab Sample ID:	F62063-3	**Date Sampled:**	12/06/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	12	2.5	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	12	2.5	ug/kg	
127-18-4	Tetrachloroethylene	ND	12	3.0	ug/kg	
108-88-3	Toluene	ND	12	2.5	ug/kg	
79-01-6	Trichloroethylene	ND	12	3.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	12	5.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	62	12	ug/kg	
75-01-4	Vinyl chloride	ND	12	5.0	ug/kg	
108-05-4	Vinyl Acetate	ND	62	30	ug/kg	
	m,p-Xylene	ND	25	4.7	ug/kg	
95-47-6	o-Xylene	ND	12	2.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-121%
2037-26-5	Toluene-D8	97%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	106%		77-123%

(a) En Core samples were not preserved within 48 hours.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB51-35		
Lab Sample ID:	F62063-3	**Date Sampled:**	12/06/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	86.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD086421.D	1	12/12/08	JG	12/09/08 14:19	n/a	GCD3634
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.57 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.0	3.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	87%		56-136%
98-08-8	aaa-Trifluorotoluene	80%		61-121%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB51-35		
Lab Sample ID:	F62063-3	**Date Sampled:**	12/06/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	86.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24608.D	1	12/18/08	NY	12/11/08	OP27416	GLL917
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.4	5.7	mg/kg	
	TPH (> C22-C36)	ND	9.4	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB52-21		
Lab Sample ID:	F62063-4	**Date Sampled:**	12/06/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054930.D	1	12/17/08	MM	12/09/08 14:52	n/a	VG2074
Run #2							

	Initial Weight
Run #1	6.26 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	47	23	ug/kg	
75-05-8	Acetonitrile	ND	47	15	ug/kg	
107-02-8	Acrolein	ND	23	9.2	ug/kg	
107-13-1	Acrylonitrile	ND	23	6.5	ug/kg	
107-05-1	Allyl chloride	ND	23	4.7	ug/kg	
71-43-2	Benzene	ND	4.7	0.94	ug/kg	
100-44-7	Benzyl Chloride	ND	4.7	1.0	ug/kg	
108-86-1	Bromobenzene	ND	4.7	0.94	ug/kg	
74-97-5	Bromochloromethane	ND	4.7	1.6	ug/kg	
75-27-4	Bromodichloromethane	ND	4.7	1.1	ug/kg	
75-25-2	Bromoform	ND	4.7	1.4	ug/kg	
104-51-8	n-Butylbenzene	ND	4.7	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	4.7	1.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	4.7	1.0	ug/kg	
108-90-7	Chlorobenzene	ND	4.7	0.94	ug/kg	
75-00-3	Chloroethane	ND	4.7	1.9	ug/kg	
67-66-3	Chloroform	ND	4.7	1.6	ug/kg	
544-10-5	1-Chlorohexane	ND	4.7	1.2	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.7	0.94	ug/kg	
106-43-4	p-Chlorotoluene	ND	4.7	0.94	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	23	9.4	ug/kg	
75-15-0	Carbon disulfide	ND	4.7	1.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.7	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.7	1.9	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.7	1.2	ug/kg	
563-58-6	1,1-Dichloropropene	ND	4.7	1.3	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.7	2.2	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4.7	0.94	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.7	1.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.7	1.3	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4.7	0.94	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4.7	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB52-21		
Lab Sample ID:	F62063-4	**Date Sampled:**	12/06/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	4.7	0.94	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.7	1.9	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.7	1.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.7	1.2	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	23	4.7	ug/kg	
541-73-1	m-Dichlorobenzene	ND	4.7	0.94	ug/kg	
95-50-1	o-Dichlorobenzene	ND	4.7	0.94	ug/kg	
106-46-7	p-Dichlorobenzene	ND	4.7	0.94	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	4.7	1.1	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.7	0.94	ug/kg	
100-41-4	Ethylbenzene	ND	4.7	0.94	ug/kg	
97-63-2	Ethyl methacrylate	ND	23	4.7	ug/kg	
76-13-1	Freon 113	ND	4.7	2.4	ug/kg	
591-78-6	2-Hexanone	ND	23	4.7	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.7	1.1	ug/kg	
110-54-3	Hexane	ND	4.7	2.2	ug/kg	
98-82-8	Isopropylbenzene	ND	4.7	1.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	4.7	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	23	6.0	ug/kg	
126-98-7	Methacrylonitrile	ND	23	5.2	ug/kg	
74-83-9	Methyl bromide	ND	4.7	2.1	ug/kg	
74-87-3	Methyl chloride	ND	4.7	2.2	ug/kg	
74-88-4	Methyl iodide	ND	9.4	1.9	ug/kg	
80-62-6	Methyl methacrylate	ND	23	4.7	ug/kg	
74-95-3	Methylene bromide	ND	4.7	1.4	ug/kg	
75-09-2	Methylene chloride [b]	6.9	9.4	4.7	ug/kg	JB
78-93-3	Methyl ethyl ketone	ND	23	7.8	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.7	1.4	ug/kg	
91-20-3	Naphthalene	ND	4.7	1.9	ug/kg	
76-01-7	Pentachloroethane	ND	23	4.7	ug/kg	
107-12-0	Propionitrile	ND	47	11	ug/kg	
103-65-1	n-Propylbenzene	ND	4.7	1.1	ug/kg	
100-42-5	Styrene	ND	4.7	0.94	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.7	0.94	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.7	1.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.7	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.7	0.94	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.7	1.9	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.7	1.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	1.9	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB52-21		
Lab Sample ID:	F62063-4	**Date Sampled:**	12/06/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	4.7	0.94	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.7	0.94	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.7	1.1	ug/kg	
108-88-3	Toluene	ND	4.7	0.94	ug/kg	
79-01-6	Trichloroethylene	ND	4.7	1.1	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.7	1.9	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	23	4.7	ug/kg	
75-01-4	Vinyl chloride	ND	4.7	1.9	ug/kg	
108-05-4	Vinyl Acetate	ND	23	11	ug/kg	
	m,p-Xylene	ND	9.4	1.8	ug/kg	
95-47-6	o-Xylene	ND	4.7	0.94	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-121%
2037-26-5	Toluene-D8	92%		71-130%
460-00-4	4-Bromofluorobenzene	98%		59-148%
17060-07-0	1,2-Dichloroethane-D4	106%		77-123%

(a) En Core samples were not preserved within 48 hours.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB52-21		
Lab Sample ID:	F62063-4	**Date Sampled:**	12/06/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	85.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD086422.D	1	12/12/08	JG	12/09/08 14:52	n/a	GCD3634
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.97 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.8	2.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%		56-136%
98-08-8	aaa-Trifluorotoluene	80%		61-121%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB52-21		
Lab Sample ID:	F62063-4	**Date Sampled:**	12/06/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	85.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24609.D	1	12/18/08	NY	12/11/08	OP27416	GLL917
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.6	5.8	mg/kg	
	TPH (> C22-C36)	ND	9.6	5.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB52-30		
Lab Sample ID:	F62063-5	**Date Sampled:**	12/06/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054931.D	1	12/17/08	MM	12/09/08 14:52	n/a	VG2074
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.54 g	5.0 ml	100 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3300	1700	ug/kg	
75-05-8	Acetonitrile	ND	3300	1100	ug/kg	
107-02-8	Acrolein	ND	1700	650	ug/kg	
107-13-1	Acrylonitrile	ND	1700	460	ug/kg	
107-05-1	Allyl chloride	ND	1700	330	ug/kg	
71-43-2	Benzene	2210	330	66	ug/kg	
100-44-7	Benzyl Chloride	ND	330	73	ug/kg	
108-86-1	Bromobenzene	ND	330	66	ug/kg	
74-97-5	Bromochloromethane	ND	330	110	ug/kg	
75-27-4	Bromodichloromethane	ND	330	79	ug/kg	
75-25-2	Bromoform	ND	330	99	ug/kg	
104-51-8	n-Butylbenzene	ND	330	92	ug/kg	
135-98-8	sec-Butylbenzene	ND	330	73	ug/kg	
98-06-6	tert-Butylbenzene	ND	330	73	ug/kg	
108-90-7	Chlorobenzene	ND	330	66	ug/kg	
75-00-3	Chloroethane	ND	330	130	ug/kg	
67-66-3	Chloroform	ND	330	110	ug/kg	
544-10-5	1-Chlorohexane	ND	330	86	ug/kg	
95-49-8	o-Chlorotoluene	ND	330	66	ug/kg	
106-43-4	p-Chlorotoluene	ND	330	66	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1700	660	ug/kg	
75-15-0	Carbon disulfide	ND	330	73	ug/kg	
56-23-5	Carbon tetrachloride	ND	330	92	ug/kg	
75-34-3	1,1-Dichloroethane	ND	330	130	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	330	86	ug/kg	
563-58-6	1,1-Dichloropropene	ND	330	92	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	330	160	ug/kg	
106-93-4	1,2-Dibromoethane	ND	330	66	ug/kg	
107-06-2	1,2-Dichloroethane	ND	330	73	ug/kg	
78-87-5	1,2-Dichloropropane	ND	330	92	ug/kg	
142-28-9	1,3-Dichloropropane	ND	330	66	ug/kg	
594-20-7	2,2-Dichloropropane	ND	330	140	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB52-30		
Lab Sample ID:	F62063-5	**Date Sampled:**	12/06/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	330	66	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	330	130	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	330	110	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	330	86	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	1700	330	ug/kg	
541-73-1	m-Dichlorobenzene	ND	330	66	ug/kg	
95-50-1	o-Dichlorobenzene	ND	330	66	ug/kg	
106-46-7	p-Dichlorobenzene	ND	330	66	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	330	79	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	330	66	ug/kg	
100-41-4	Ethylbenzene	134	330	66	ug/kg	J
97-63-2	Ethyl methacrylate	ND	1700	330	ug/kg	
76-13-1	Freon 113	ND	330	170	ug/kg	
591-78-6	2-Hexanone	ND	1700	330	ug/kg	
87-68-3	Hexachlorobutadiene	ND	330	79	ug/kg	
110-54-3	Hexane	ND	330	160	ug/kg	
98-82-8	Isopropylbenzene	521	330	73	ug/kg	
99-87-6	p-Isopropyltoluene	ND	330	73	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1700	420	ug/kg	
126-98-7	Methacrylonitrile	ND	1700	360	ug/kg	
74-83-9	Methyl bromide	ND	330	150	ug/kg	
74-87-3	Methyl chloride	ND	330	160	ug/kg	
74-88-4	Methyl iodide	ND	660	130	ug/kg	
80-62-6	Methyl methacrylate	ND	1700	330	ug/kg	
74-95-3	Methylene bromide	ND	330	99	ug/kg	
75-09-2	Methylene chloride [b]	791	660	330	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	1700	550	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	330	99	ug/kg	
91-20-3	Naphthalene	ND	330	130	ug/kg	
76-01-7	Pentachloroethane	ND	1700	330	ug/kg	
107-12-0	Propionitrile	ND	3300	790	ug/kg	
103-65-1	n-Propylbenzene	ND	330	79	ug/kg	
100-42-5	Styrene	ND	330	66	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	330	66	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	330	73	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	330	120	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	330	66	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	330	130	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	330	130	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	330	130	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB52-30		
Lab Sample ID:	F62063-5	**Date Sampled:**	12/06/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	330	66	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	330	66	ug/kg	
127-18-4	Tetrachloroethylene	ND	330	79	ug/kg	
108-88-3	Toluene	ND	330	66	ug/kg	
79-01-6	Trichloroethylene	ND	330	79	ug/kg	
75-69-4	Trichlorofluoromethane	ND	330	130	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	1700	330	ug/kg	
75-01-4	Vinyl chloride	ND	330	130	ug/kg	
108-05-4	Vinyl Acetate	ND	1700	790	ug/kg	
	m,p-Xylene	ND	660	130	ug/kg	
95-47-6	o-Xylene	ND	330	66	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-121%
2037-26-5	Toluene-D8	97%		71-130%
460-00-4	4-Bromofluorobenzene	100%		59-148%
17060-07-0	1,2-Dichloroethane-D4	105%		77-123%

(a) En Core samples were not preserved within 48 hours.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB52-30		
Lab Sample ID:	F62063-5	**Date Sampled:**	12/06/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	82.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD086423.D	1	12/12/08	JG	12/09/08 14:52	n/a	GCD3634
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.54 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	8.57	6.6	3.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%		56-136%
98-08-8	aaa-Trifluorotoluene	84%		61-121%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB52-30		
Lab Sample ID:	F62063-5	**Date Sampled:**	12/06/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	82.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24612.D	1	12/18/08	NY	12/11/08	OP27416	GLL917
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.9	5.9	mg/kg	
	TPH (> C22-C36)	ND	9.9	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	84%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB52-35		
Lab Sample ID:	F62063-6	**Date Sampled:**	12/06/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0054932.D	1	12/17/08	MM	12/09/08 14:52	n/a	VG2074
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.56 g	5.0 ml	100 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3100	1500	ug/kg	
75-05-8	Acetonitrile	ND	3100	990	ug/kg	
107-02-8	Acrolein	ND	1500	610	ug/kg	
107-13-1	Acrylonitrile	ND	1500	430	ug/kg	
107-05-1	Allyl chloride	ND	1500	310	ug/kg	
71-43-2	Benzene	860	310	62	ug/kg	
100-44-7	Benzyl Chloride	ND	310	68	ug/kg	
108-86-1	Bromobenzene	ND	310	62	ug/kg	
74-97-5	Bromochloromethane	ND	310	110	ug/kg	
75-27-4	Bromodichloromethane	ND	310	74	ug/kg	
75-25-2	Bromoform	ND	310	93	ug/kg	
104-51-8	n-Butylbenzene	ND	310	87	ug/kg	
135-98-8	sec-Butylbenzene	ND	310	68	ug/kg	
98-06-6	tert-Butylbenzene	ND	310	68	ug/kg	
108-90-7	Chlorobenzene	ND	310	62	ug/kg	
75-00-3	Chloroethane	ND	310	120	ug/kg	
67-66-3	Chloroform	ND	310	110	ug/kg	
544-10-5	1-Chlorohexane	ND	310	80	ug/kg	
95-49-8	o-Chlorotoluene	ND	310	62	ug/kg	
106-43-4	p-Chlorotoluene	ND	310	62	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1500	620	ug/kg	
75-15-0	Carbon disulfide	ND	310	68	ug/kg	
56-23-5	Carbon tetrachloride	ND	310	87	ug/kg	
75-34-3	1,1-Dichloroethane	ND	310	120	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	310	80	ug/kg	
563-58-6	1,1-Dichloropropene	ND	310	87	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	310	150	ug/kg	
106-93-4	1,2-Dibromoethane	ND	310	62	ug/kg	
107-06-2	1,2-Dichloroethane	ND	310	68	ug/kg	
78-87-5	1,2-Dichloropropane	ND	310	87	ug/kg	
142-28-9	1,3-Dichloropropane	ND	310	62	ug/kg	
594-20-7	2,2-Dichloropropane	ND	310	130	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB52-35		
Lab Sample ID:	F62063-6	**Date Sampled:**	12/06/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	310	62	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	310	120	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	310	99	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	310	80	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	1500	310	ug/kg	
541-73-1	m-Dichlorobenzene	ND	310	62	ug/kg	
95-50-1	o-Dichlorobenzene	ND	310	62	ug/kg	
106-46-7	p-Dichlorobenzene	ND	310	62	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	310	74	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	310	62	ug/kg	
100-41-4	Ethylbenzene	ND	310	62	ug/kg	
97-63-2	Ethyl methacrylate	ND	1500	310	ug/kg	
76-13-1	Freon 113	ND	310	160	ug/kg	
591-78-6	2-Hexanone	ND	1500	310	ug/kg	
87-68-3	Hexachlorobutadiene	ND	310	74	ug/kg	
110-54-3	Hexane	ND	310	150	ug/kg	
98-82-8	Isopropylbenzene	125	310	68	ug/kg	J
99-87-6	p-Isopropyltoluene	ND	310	68	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1500	400	ug/kg	
126-98-7	Methacrylonitrile	ND	1500	340	ug/kg	
74-83-9	Methyl bromide	ND	310	140	ug/kg	
74-87-3	Methyl chloride	ND	310	150	ug/kg	
74-88-4	Methyl iodide	ND	620	120	ug/kg	
80-62-6	Methyl methacrylate	ND	1500	310	ug/kg	
74-95-3	Methylene bromide	ND	310	93	ug/kg	
75-09-2	Methylene chloride [b]	1060	620	310	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	1500	510	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	310	93	ug/kg	
91-20-3	Naphthalene	ND	310	120	ug/kg	
76-01-7	Pentachloroethane	ND	1500	310	ug/kg	
107-12-0	Propionitrile	ND	3100	740	ug/kg	
103-65-1	n-Propylbenzene	ND	310	74	ug/kg	
100-42-5	Styrene	ND	310	62	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	310	62	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	310	68	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	310	110	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	310	62	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	310	120	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	310	120	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	310	120	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB52-35		
Lab Sample ID:	F62063-6	**Date Sampled:**	12/06/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	310	62	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	310	62	ug/kg	
127-18-4	Tetrachloroethylene	ND	310	74	ug/kg	
108-88-3	Toluene	ND	310	62	ug/kg	
79-01-6	Trichloroethylene	ND	310	74	ug/kg	
75-69-4	Trichlorofluoromethane	ND	310	120	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	1500	310	ug/kg	
75-01-4	Vinyl chloride	ND	310	120	ug/kg	
108-05-4	Vinyl Acetate	ND	1500	740	ug/kg	
	m,p-Xylene	ND	620	120	ug/kg	
95-47-6	o-Xylene	ND	310	62	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-121%
2037-26-5	Toluene-D8	94%		71-130%
460-00-4	4-Bromofluorobenzene	95%		59-148%
17060-07-0	1,2-Dichloroethane-D4	104%		77-123%

(a) En Core samples were not preserved within 48 hours.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB52-35		
Lab Sample ID:	F62063-6	**Date Sampled:**	12/06/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	84.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD086426.D	1	12/12/08	JG	12/09/08 14:52	n/a	GCD3634
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.56 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.2	3.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	88%		56-136%
98-08-8	aaa-Trifluorotoluene	80%		61-121%

(a) En Core samples were not preserved within 48 hours.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB52-35		
Lab Sample ID:	F62063-6	**Date Sampled:**	12/06/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	84.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24613.D	1	12/18/08	NY	12/11/08	OP27416	GLL917
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.8	5.9	mg/kg	
	TPH (> C22-C36)	ND	9.8	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	78%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F62063-7	**Date Sampled:**	12/06/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/09/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0055045.D	1	12/20/08	MM	n/a	n/a	VG2077
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F62063-7	**Date Sampled:**	12/06/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/09/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F62063-7	**Date Sampled:**	12/06/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/09/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		80-121%
2037-26-5	Toluene-D8	89%		71-130%
460-00-4	4-Bromofluorobenzene	101%		59-148%
17060-07-0	1,2-Dichloroethane-D4	111%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

F62063

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

Page 1 of 1

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number (1): 12-08-2008 - 4

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Zachary Beck / Greg Kinsman

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code (2)	Sample Number (3)	Sample Matrix (4)	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)					Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
1	SS61-SB51-20	SS61-SB51	06-Dec-2008	1335	18 - 20	N	01	SO	5	X	X	X									4
2	SS61-SB51-25	SS61-SB51	06-Dec-2008	1345	23 - 25	N	01	SO	5	X	X	X									4
3	SS61-SB51-35	SS61-SB51	06-Dec-2008	1355	33 - 35	N	01	SO	5	X	X	X									4
4	SS61-SB52-21	SS61-SB52	06-Dec-2008	1455	19 - 21	N	01	SO	5	X	X	X									4
5	SS61-SB52-30	SS61-SB52	06-Dec-2008	1510	28 - 30	N	01	SO	5	X	X	X									4
6	SS61-SB52-35	SS61-SB52	06-Dec-2008	1525	34 - 35	N	01	SO	5	X	X	X									4
7	Trip Blank				-	TB		WQ	3	X											4
					-																
					-																
					-																
					-																

Sample Analysis Requested (5) | Quality Assurance Samples (6)

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

Note! VOC Enclosures pack with Any ICE

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time		Received by (signed)	Date	Time
1.		12/8/08	1400	1.		12.8.08	09:20
2.				2.			
3.				3.			

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: Shipped No.:

Method of Shipment: Airbill Number:

Analytical Lab: Accutest Laboratories Delivery Location:

Lab Recipient: Delivery Date/Time:

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

0.2

4.1 4

F62063: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F62063 CLIENT: Bhate PROJECT: SS-61

DATE/TIME RECEIVED: 12-9-08 09:30 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 0-2

METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8683 0096 6704

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [X] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABEE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 42

NUMBER OF 5035 FIELD KITS ? 8 TB

NUMBER OF LAB FILTERED METALS ? 8

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE E.T. 12-9-08 TECHNICIAN SIGNATURE/DATE 12-9-08

ASBD 12/17/07

F62063: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F62063
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2074-MB	G0054907.D	1	12/17/08	MM	n/a	n/a	VG2074

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62063-1, F62063-2, F62063-3, F62063-4, F62063-5, F62063-6

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F62063
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2074-MB	G0054907.D	1	12/17/08	MM	n/a	n/a	VG2074

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62063-1, F62063-2, F62063-3, F62063-4, F62063-5, F62063-6

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	9.5	10	5.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F62063
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2074-MB	G0054907.D	1	12/17/08	MM	n/a	n/a	VG2074

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62063-1, F62063-2, F62063-3, F62063-4, F62063-5, F62063-6

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	80-121%
2037-26-5	Toluene-D8	93%	71-130%
460-00-4	4-Bromofluorobenzene	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	107%	77-123%

Method Blank Summary

Job Number: F62063
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2075-MB	G0054966.D	1	12/18/08	MM	n/a	n/a	VG2075

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62063-2

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	104%	80-121%
2037-26-5	Toluene-D8	91%	71-130%
460-00-4	4-Bromofluorobenzene	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	109%	77-123%

Method Blank Summary

Job Number: F62063
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2077-MB	G0055034.D	1	12/20/08	MM	n/a	n/a	VG2077

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62063-7

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F62063
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2077-MB	G0055034.D	1	12/20/08	MM	n/a	n/a	VG2077

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62063-7

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F62063
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2077-MB	G0055034.D	1	12/20/08	MM	n/a	n/a	VG2077

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62063-7

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	110%	80-121%
2037-26-5	Toluene-D8	89%	71-130%
460-00-4	4-Bromofluorobenzene	95%	59-148%
17060-07-0	1,2-Dichloroethane-D4	115%	77-123%

Blank Spike Summary

Job Number: F62063
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2074-BS	G0054906.D	1	12/17/08	MM	n/a	n/a	VG2074

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62063-1, F62063-2, F62063-3, F62063-4, F62063-5, F62063-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	157	63	61-144
75-05-8	Acetonitrile	500	450	90	59-139
107-02-8	Acrolein	250	99.1	40	27-156
107-13-1	Acrylonitrile	250	436	174*	55-144
107-05-1	Allyl chloride	50	51.2	102	41-152
71-43-2	Benzene	50	46.7	93	78-130
100-44-7	Benzyl Chloride	50	38.2	76	74-130
108-86-1	Bromobenzene	50	46.1	92	78-123
74-97-5	Bromochloromethane	50	38.6	77	72-122
75-27-4	Bromodichloromethane	50	42.1	84	73-122
75-25-2	Bromoform	50	34.0	68*	70-139
104-51-8	n-Butylbenzene	50	50.7	101	80-138
135-98-8	sec-Butylbenzene	50	50.2	100	82-132
98-06-6	tert-Butylbenzene	50	48.1	96	79-130
108-90-7	Chlorobenzene	50	47.0	94	83-122
75-00-3	Chloroethane	50	41.2	82	61-153
67-66-3	Chloroform	50	46.1	92	79-129
544-10-5	1-Chlorohexane	50	49.2	98	85-137
95-49-8	o-Chlorotoluene	50	47.3	95	77-123
106-43-4	p-Chlorotoluene	50	48.3	97	78-129
110-75-8	2-Chloroethyl vinyl ether	250	203	81	52-142
75-15-0	Carbon disulfide	50	42.2	84	61-142
56-23-5	Carbon tetrachloride	50	49.2	98	79-135
75-34-3	1,1-Dichloroethane	50	45.8	92	77-132
75-35-4	1,1-Dichloroethylene	50	44.0	88	66-132
563-58-6	1,1-Dichloropropene	50	44.2	88	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	35.0	70	67-129
106-93-4	1,2-Dibromoethane	50	38.8	78	77-126
107-06-2	1,2-Dichloroethane	50	40.7	81	78-129
78-87-5	1,2-Dichloropropane	50	42.1	84	74-127
142-28-9	1,3-Dichloropropane	50	39.4	79	78-118
594-20-7	2,2-Dichloropropane	50	49.2	98	80-137
124-48-1	Dibromochloromethane	50	40.7	81	78-117
75-71-8	Dichlorodifluoromethane	50	26.9	54	35-162
156-59-2	cis-1,2-Dichloroethylene	50	43.3	87	74-123
10061-01-5	cis-1,3-Dichloropropene	50	45.0	90	79-130

Blank Spike Summary

Job Number: F62063
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2074-BS	G0054906.D	1	12/17/08	MM	n/a	n/a	VG2074

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62063-1, F62063-2, F62063-3, F62063-4, F62063-5, F62063-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	37.2	74	71-126
541-73-1	m-Dichlorobenzene	50	46.8	94	82-126
95-50-1	o-Dichlorobenzene	50	45.8	92	83-123
106-46-7	p-Dichlorobenzene	50	48.7	97	84-124
156-60-5	trans-1,2-Dichloroethylene	50	43.4	87	77-129
10061-02-6	trans-1,3-Dichloropropene	50	45.7	91	87-131
100-41-4	Ethylbenzene	50	49.1	98	82-124
97-63-2	Ethyl methacrylate	50	31.6	63*	78-118
76-13-1	Freon 113	50	46.5	93	62-147
591-78-6	2-Hexanone	250	175	70	67-130
87-68-3	Hexachlorobutadiene	50	53.8	108	77-150
110-54-3	Hexane	50	51.2	102	65-147
98-82-8	Isopropylbenzene	50	50.6	101	82-133
99-87-6	p-Isopropyltoluene	50	50.6	101	82-132
108-10-1	4-Methyl-2-pentanone	250	180	72	69-125
126-98-7	Methacrylonitrile	500	374	75	70-138
74-83-9	Methyl bromide	50	39.0	78	60-146
74-87-3	Methyl chloride	50	39.3	79	58-163
74-88-4	Methyl iodide	50	38.3	77	66-128
80-62-6	Methyl methacrylate	50	36.4	73	73-125
74-95-3	Methylene bromide	50	39.7	79	75-128
75-09-2	Methylene chloride	50	46.2	92	62-140
78-93-3	Methyl ethyl ketone	250	164	66	66-134
1634-04-4	Methyl Tert Butyl Ether	50	39.6	79	70-131
91-20-3	Naphthalene	50	39.0	78	59-143
76-01-7	Pentachloroethane	50	50.5	101	64-156
107-12-0	Propionitrile	500	367	73	73-133
103-65-1	n-Propylbenzene	50	49.2	98	78-129
100-42-5	Styrene	50	46.9	94	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	46.7	93	81-121
71-55-6	1,1,1-Trichloroethane	50	45.8	92	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	38.8	78	70-128
79-00-5	1,1,2-Trichloroethane	50	38.9	78	76-118
87-61-6	1,2,3-Trichlorobenzene	50	44.1	88	78-136
96-18-4	1,2,3-Trichloropropane	50	32.1	64*	74-125
120-82-1	1,2,4-Trichlorobenzene	50	48.7	97	82-137

Blank Spike Summary

Job Number: F62063
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2074-BS	G0054906.D	1	12/17/08	MM	n/a	n/a	VG2074

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62063-1, F62063-2, F62063-3, F62063-4, F62063-5, F62063-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	47.5	95	77-129
108-67-8	1,3,5-Trimethylbenzene	50	49.4	99	79-129
127-18-4	Tetrachloroethylene	50	47.5	95	79-132
108-88-3	Toluene	50	45.9	92	80-123
79-01-6	Trichloroethylene	50	45.6	91	78-132
75-69-4	Trichlorofluoromethane	50	43.4	87	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	74.7	149*	74-138
75-01-4	Vinyl chloride	50	38.5	77	60-145
108-05-4	Vinyl Acetate	250	339	136	25-164
	m,p-Xylene	100	98.4	98	82-128
95-47-6	o-Xylene	50	48.5	97	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	80-121%
2037-26-5	Toluene-D8	96%	71-130%
460-00-4	4-Bromofluorobenzene	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	94%	77-123%

Blank Spike Summary

Job Number: F62063
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2075-BS	G0054965.D	1	12/18/08	MM	n/a	n/a	VG2075

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62063-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
98-82-8	Isopropylbenzene	50	51.5	103	82-133

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	95%	80-121%
2037-26-5	Toluene-D8	99%	71-130%
460-00-4	4-Bromofluorobenzene	100%	59-148%
17060-07-0	1,2-Dichloroethane-D4	89%	77-123%

Blank Spike Summary

Job Number: F62063
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2077-BS	G0055033.D	1	12/20/08	MM	n/a	n/a	VG2077

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62063-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	105	42*	61-144
75-05-8	Acetonitrile	500	500	100	59-139
107-02-8	Acrolein	250	85.3	34	27-156
107-13-1	Acrylonitrile	250	222	89	55-144
107-05-1	Allyl chloride	50	72.8	146	41-152
71-43-2	Benzene	50	59.6	119	78-130
100-44-7	Benzyl Chloride	50	41.0	82	74-130
108-86-1	Bromobenzene	50	52.2	104	78-123
74-97-5	Bromochloromethane	50	47.4	95	72-122
75-27-4	Bromodichloromethane	50	53.2	106	73-122
75-25-2	Bromoform	50	41.3	83	70-139
104-51-8	n-Butylbenzene	50	61.9	124	80-138
135-98-8	sec-Butylbenzene	50	60.0	120	82-132
98-06-6	tert-Butylbenzene	50	59.6	119	79-130
108-90-7	Chlorobenzene	50	54.6	109	83-122
75-00-3	Chloroethane	50	48.2	96	61-153
67-66-3	Chloroform	50	62.1	124	79-129
544-10-5	1-Chlorohexane	50	59.7	119	85-137
95-49-8	o-Chlorotoluene	50	58.0	116	77-123
106-43-4	p-Chlorotoluene	50	57.1	114	78-129
110-75-8	2-Chloroethyl vinyl ether	250	284	114	52-142
75-15-0	Carbon disulfide	50	55.5	111	61-142
56-23-5	Carbon tetrachloride	50	52.2	104	79-135
75-34-3	1,1-Dichloroethane	50	61.1	122	77-132
75-35-4	1,1-Dichloroethylene	50	61.4	123	66-132
563-58-6	1,1-Dichloropropene	50	61.2	122	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	38.6	77	67-129
106-93-4	1,2-Dibromoethane	50	41.2	82	77-126
107-06-2	1,2-Dichloroethane	50	50.4	101	78-129
78-87-5	1,2-Dichloropropane	50	52.9	106	74-127
142-28-9	1,3-Dichloropropane	50	42.7	85	78-118
594-20-7	2,2-Dichloropropane	50	70.2	140*	80-137
124-48-1	Dibromochloromethane	50	45.8	92	78-117
75-71-8	Dichlorodifluoromethane	50	38.3	77	35-162
156-59-2	cis-1,2-Dichloroethylene	50	53.1	106	74-123
10061-01-5	cis-1,3-Dichloropropene	50	54.4	109	79-130

Blank Spike Summary

Job Number: F62063
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2077-BS	G0055033.D	1	12/20/08	MM	n/a	n/a	VG2077

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62063-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	45.8	92	71-126
541-73-1	m-Dichlorobenzene	50	59.3	119	82-126
95-50-1	o-Dichlorobenzene	50	55.3	111	83-123
106-46-7	p-Dichlorobenzene	50	58.2	116	84-124
156-60-5	trans-1,2-Dichloroethylene	50	61.2	122	77-129
10061-02-6	trans-1,3-Dichloropropene	50	52.3	105	87-131
100-41-4	Ethylbenzene	50	56.0	112	82-124
97-63-2	Ethyl methacrylate	50	39.7	79	78-118
76-13-1	Freon 113	50	62.5	125	62-147
591-78-6	2-Hexanone	250	150	60*	67-130
87-68-3	Hexachlorobutadiene	50	72.6	145	77-150
110-54-3	Hexane	50	68.9	138	65-147
98-82-8	Isopropylbenzene	50	57.2	114	82-133
99-87-6	p-Isopropyltoluene	50	62.1	124	82-132
108-10-1	4-Methyl-2-pentanone	250	175	70	69-125
126-98-7	Methacrylonitrile	500	496	99	70-138
74-83-9	Methyl bromide	50	52.7	105	60-146
74-87-3	Methyl chloride	50	49.3	99	58-163
74-88-4	Methyl iodide	50	48.1	96	66-128
80-62-6	Methyl methacrylate	50	41.7	83	73-125
74-95-3	Methylene bromide	50	46.6	93	75-128
75-09-2	Methylene chloride	50	57.4	115	62-140
78-93-3	Methyl ethyl ketone	250	140	56*	66-134
1634-04-4	Methyl Tert Butyl Ether	50	42.1	84	70-131
91-20-3	Naphthalene	50	42.6	85	59-143
76-01-7	Pentachloroethane	50	60.8	122	64-156
107-12-0	Propionitrile	500	365	73	73-133
103-65-1	n-Propylbenzene	50	58.6	117	78-129
100-42-5	Styrene	50	52.6	105	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	50.0	100	81-121
71-55-6	1,1,1-Trichloroethane	50	62.4	125	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	41.9	84	70-128
79-00-5	1,1,2-Trichloroethane	50	44.7	89	76-118
87-61-6	1,2,3-Trichlorobenzene	50	47.3	95	78-136
96-18-4	1,2,3-Trichloropropane	50	37.2	74	74-125
120-82-1	1,2,4-Trichlorobenzene	50	54.4	109	82-137

Blank Spike Summary

Job Number: F62063
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2077-BS	G0055033.D	1	12/20/08	MM	n/a	n/a	VG2077

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62063-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	58.0	116	77-129
108-67-8	1,3,5-Trimethylbenzene	50	60.4	121	79-129
127-18-4	Tetrachloroethylene	50	56.5	113	79-132
108-88-3	Toluene	50	53.0	106	80-123
79-01-6	Trichloroethylene	50	57.8	116	78-132
75-69-4	Trichlorofluoromethane	50	56.2	112	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	85.9	172*	74-138
75-01-4	Vinyl chloride	50	45.8	92	60-145
108-05-4	Vinyl Acetate	250	218	87	25-164
	m,p-Xylene	100	113	113	82-128
95-47-6	o-Xylene	50	54.6	109	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	80-121%
2037-26-5	Toluene-D8	93%	71-130%
460-00-4	4-Bromofluorobenzene	91%	59-148%
17060-07-0	1,2-Dichloroethane-D4	91%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62063
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62060-1MS	G0054918.D	1	12/17/08	MM	n/a	n/a	VG2074
F62060-1MSD	G0054919.D	1	12/17/08	MM	n/a	n/a	VG2074
F62060-1 [a]	G0054917.D	1	12/17/08	MM	n/a	n/a	VG2074

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62063-1, F62063-2, F62063-3, F62063-4, F62063-5, F62063-6

CAS No.	Compound	F62060-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		254	117	46*	119	47*	2	61-144/29
75-05-8	Acetonitrile	ND		508	383	75	416	82	8	59-139/30
107-02-8	Acrolein	ND		254	ND	0*	ND	0*	nc	27-156/39
107-13-1	Acrylonitrile	ND		254	393	155*	411	163*	4	55-144/24
107-05-1	Allyl chloride	ND		50.8	57.1	112	58.3	115	2	41-152/24
71-43-2	Benzene	ND		50.8	55.2	109	52.7	104	5	78-130/25
100-44-7	Benzyl Chloride	ND		50.8	32.2	63*	33.4	66*	4	74-130/28
108-86-1	Bromobenzene	ND		50.8	57.0	112	53.7	106	6	78-123/30
74-97-5	Bromochloromethane	ND		50.8	45.4	89	44.0	87	3	72-122/23
75-27-4	Bromodichloromethane	ND		50.8	50.0	98	49.3	98	1	73-122/25
75-25-2	Bromoform	ND		50.8	41.5	82	41.4	82	0	70-139/26
104-51-8	n-Butylbenzene	ND		50.8	57.4	113	55.1	109	4	80-138/31
135-98-8	sec-Butylbenzene	ND		50.8	59.7	117	56.2	111	6	82-132/29
98-06-6	tert-Butylbenzene	ND		50.8	57.8	114	55.8	110	4	79-130/29
108-90-7	Chlorobenzene	ND		50.8	55.0	108	52.0	103	6	83-122/23
75-00-3	Chloroethane	ND		50.8	32.8	65	47.3	94	36*	61-153/31
67-66-3	Chloroform	ND		50.8	54.9	108	53.7	106	2	79-129/27
544-10-5	1-Chlorohexane	ND		50.8	53.8	106	52.6	104	2	85-137/29
95-49-8	o-Chlorotoluene	ND		50.8	59.1	116	54.0	107	9	77-123/31
106-43-4	p-Chlorotoluene	ND		50.8	56.6	111	55.2	109	3	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		254	237	93	322	127	30*	52-142/25
75-15-0	Carbon disulfide	ND		50.8	44.1	87	43.9	87	0	61-142/27
56-23-5	Carbon tetrachloride	ND		50.8	55.4	109	49.3	98	12	79-135/29
75-34-3	1,1-Dichloroethane	ND		50.8	53.3	105	52.1	103	2	77-132/26
75-35-4	1,1-Dichloroethylene	ND		50.8	48.6	96	49.8	98	2	66-132/27
563-58-6	1,1-Dichloropropene	ND		50.8	52.3	103	50.0	99	4	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		50.8	44.3	87	43.6	86	2	67-129/29
106-93-4	1,2-Dibromoethane	ND		50.8	47.0	92	45.8	91	3	77-126/24
107-06-2	1,2-Dichloroethane	ND		50.8	48.5	95	48.2	95	1	78-129/24
78-87-5	1,2-Dichloropropane	ND		50.8	53.0	104	48.3	96	9	74-127/27
142-28-9	1,3-Dichloropropane	ND		50.8	47.0	92	44.9	89	5	78-118/26
594-20-7	2,2-Dichloropropane	ND		50.8	43.4	85	44.6	88	3	80-137/28
124-48-1	Dibromochloromethane	ND		50.8	51.4	101	48.8	97	5	78-117/27
75-71-8	Dichlorodifluoromethane	ND		50.8	21.2	42	30.4	60	36*	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		50.8	50.0	98	49.4	98	1	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		50.8	50.8	100	65.8	130	26*	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62063
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62060-1MS	G0054918.D	1	12/17/08	MM	n/a	n/a	VG2074
F62060-1MSD	G0054919.D	1	12/17/08	MM	n/a	n/a	VG2074
F62060-1 [a]	G0054917.D	1	12/17/08	MM	n/a	n/a	VG2074

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62063-1, F62063-2, F62063-3, F62063-4, F62063-5, F62063-6

CAS No.	Compound	F62060-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		50.8	44.9	88	42.9	85	5	71-126/28
541-73-1	m-Dichlorobenzene	ND		50.8	57.8	114	55.1	109	5	82-126/29
95-50-1	o-Dichlorobenzene	ND		50.8	56.5	111	54.3	107	4	83-123/28
106-46-7	p-Dichlorobenzene	ND		50.8	58.6	115	55.3	109	6	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		50.8	49.9	98	50.5	100	1	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		50.8	50.7	100	51.6	102	2	87-131/27
100-41-4	Ethylbenzene	ND		50.8	56.0	110	52.3	103	7	82-124/25
97-63-2	Ethyl methacrylate	ND		50.8	10.4	20*	10	20*	4	78-118/30
76-13-1	Freon 113	ND		50.8	47.6	94	50.8	100	7	62-147/29
591-78-6	2-Hexanone	ND		254	182	72	180	71	1	67-130/29
87-68-3	Hexachlorobutadiene	ND		50.8	62.4	123	58.8	116	6	77-150/36
110-54-3	Hexane	ND		50.8	50.7	100	50.1	99	1	65-147/27
98-82-8	Isopropylbenzene	ND		50.8	57.4	113	56.5	112	2	82-133/27
99-87-6	p-Isopropyltoluene	ND		50.8	60.4	119	56.8	112	6	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		254	214	84	208	82	3	69-125/24
126-98-7	Methacrylonitrile	ND		508	466	92	464	92	0	70-138/22
74-83-9	Methyl bromide	ND		50.8	32.0	63	45.9	91	36*	60-146/31
74-87-3	Methyl chloride	ND		50.8	31.7	62	42.3	84	29*	58-163/26
74-88-4	Methyl iodide	ND		50.8	40.9	80	41.7	82	2	66-128/27
80-62-6	Methyl methacrylate	ND		50.8	51.7	102	50.3	99	3	73-125/24
74-95-3	Methylene bromide	ND		50.8	48.6	96	47.8	95	2	75-128/26
75-09-2	Methylene chloride	6.6	JB	50.8	53.7	93	52.2	90	3	62-140/25
78-93-3	Methyl ethyl ketone	ND		254	145	57*	152	60*	5	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		50.8	43.9	86	45.3	90	3	70-131/25
91-20-3	Naphthalene	ND		50.8	50.8	100	47.3	94	7	59-143/31
76-01-7	Pentachloroethane	ND		50.8	61.9	122	56.4	112	9	64-156/37
107-12-0	Propionitrile	ND		508	443	87	447	88	1	73-133/23
103-65-1	n-Propylbenzene	ND		50.8	58.9	116	55.6	110	6	78-129/29
100-42-5	Styrene	ND		50.8	53.2	105	52.4	104	2	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		50.8	54.9	108	51.0	101	7	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		50.8	52.7	104	52.8	104	0	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		50.8	49.7	98	46.5	92	7	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		50.8	46.8	92	45.0	89	4	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		50.8	54.4	107	52.9	105	3	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		50.8	43.4	85	39.9	79	8	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		50.8	56.1	110	54.2	107	3	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62063
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62060-1MS	G0054918.D	1	12/17/08	MM	n/a	n/a	VG2074
F62060-1MSD	G0054919.D	1	12/17/08	MM	n/a	n/a	VG2074
F62060-1 [a]	G0054917.D	1	12/17/08	MM	n/a	n/a	VG2074

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62063-1, F62063-2, F62063-3, F62063-4, F62063-5, F62063-6

CAS No.	Compound	F62060-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		50.8	59.6	117	55.6	110	7	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		50.8	58.3	115	55.6	110	5	79-129/31
127-18-4	Tetrachloroethylene	ND		50.8	57.9	114	57.2	113	1	79-132/27
108-88-3	Toluene	ND		50.8	52.9	104	51.3	101	3	80-123/26
79-01-6	Trichloroethylene	ND		50.8	53.8	106	51.1	101	5	78-132/28
75-69-4	Trichlorofluoromethane	ND		50.8	35.0	69	47.1	93	29	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		50.8	91.7	180*	84.8	168*	8	74-138/30
75-01-4	Vinyl chloride	ND		50.8	31.4	62	42.3	84	30*	60-145/29
108-05-4	Vinyl Acetate	ND		254	24.9	10*	15.4	6*	47*	25-164/35
	m,p-Xylene	ND		102	112	110	107	106	5	82-128/25
95-47-6	o-Xylene	ND		50.8	54.0	106	52.7	104	2	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F62060-1	Limits
1868-53-7	Dibromofluoromethane	102%	103%	104%	80-121%
2037-26-5	Toluene-D8	99%	99%	95%	71-130%
460-00-4	4-Bromofluorobenzene	101%	98%	93%	59-148%
17060-07-0	1,2-Dichloroethane-D4	99%	90%	110%	77-123%

(a) En Core samples were not preserved within 48 hours.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62063
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62062-1MS	G0054968.D	1	12/18/08	MM	n/a	n/a	VG2075
F62062-1MSD	G0054969.D	1	12/18/08	MM	n/a	n/a	VG2075
F62062-1	G0054967.D	1	12/18/08	MM	n/a	n/a	VG2075

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62063-2

CAS No.	Compound	F62062-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
98-82-8	Isopropylbenzene	ND		56.9	51.0	90	49.3	88	3	82-133/27

CAS No.	Surrogate Recoveries	MS	MSD	F62062-1	Limits
1868-53-7	Dibromofluoromethane	102%	103%	106%	80-121%
2037-26-5	Toluene-D8	95%	97%	95%	71-130%
460-00-4	4-Bromofluorobenzene	101%	99%	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	105%	96%	109%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62063
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62103-4MS	G0055036.D	1	12/20/08	MM	n/a	n/a	VG2077
F62103-4MSD	G0055037.D	1	12/20/08	MM	n/a	n/a	VG2077
F62103-4	G0055035.D	1	12/20/08	MM	n/a	n/a	VG2077

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62063-7

CAS No.	Compound	F62103-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		351	147	42*	171	49*	15	61-144/29
75-05-8	Acetonitrile	ND		702	529	75	642	92	19	59-139/30
107-02-8	Acrolein	ND		351	53.3	15*	38.5	11*	32	27-156/39
107-13-1	Acrylonitrile	ND		351	308	88	351	101	13	55-144/24
107-05-1	Allyl chloride	ND		70.2	45.8	65	41.9	60	9	41-152/24
71-43-2	Benzene	ND		70.2	72.9	104	76.3	110	5	78-130/25
100-44-7	Benzyl Chloride	ND		70.2	50.9	72*	53.1	76	4	74-130/28
108-86-1	Bromobenzene	ND		70.2	68.1	97	71.7	103	5	78-123/30
74-97-5	Bromochloromethane	ND		70.2	62.3	89	63.5	91	2	72-122/23
75-27-4	Bromodichloromethane	ND		70.2	64.9	92	69.8	100	7	73-122/25
75-25-2	Bromoform	ND		70.2	51.0	73	49.4	71	3	70-139/26
104-51-8	n-Butylbenzene	ND		70.2	71.8	102	72.9	105	2	80-138/31
135-98-8	sec-Butylbenzene	11.3		70.2	73.9	89	75.7	92	2	82-132/29
98-06-6	tert-Butylbenzene	7.4		70.2	70.7	90	73.2	94	3	79-130/29
108-90-7	Chlorobenzene	ND		70.2	69.1	98	71.4	103	3	83-122/23
75-00-3	Chloroethane	ND		70.2	61.4	87	64.3	92	5	61-153/31
67-66-3	Chloroform	ND		70.2	73.1	104	77.4	111	6	79-129/27
544-10-5	1-Chlorohexane	ND		70.2	74.0	105	75.3	108	2	85-137/29
95-49-8	o-Chlorotoluene	ND		70.2	70.5	100	71.7	103	2	77-123/31
106-43-4	p-Chlorotoluene	ND		70.2	69.2	99	72.1	104	4	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		351	370	105	431	124	15	52-142/25
75-15-0	Carbon disulfide	ND		70.2	66.9	95	68.4	98	2	61-142/27
56-23-5	Carbon tetrachloride	ND		70.2	74.4	106	79.5	114	7	79-135/29
75-34-3	1,1-Dichloroethane	ND		70.2	74.2	106	75.9	109	2	77-132/26
75-35-4	1,1-Dichloroethylene	2.4	J	70.2	76.0	105	79.4	111	4	66-132/27
563-58-6	1,1-Dichloropropene	ND		70.2	73.8	105	76.7	110	4	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		70.2	54.9	78	59.4	85	8	67-129/29
106-93-4	1,2-Dibromoethane	ND		70.2	59.7	85	66.6	96	11	77-126/24
107-06-2	1,2-Dichloroethane	ND		70.2	64.8	92	69.6	100	7	78-129/24
78-87-5	1,2-Dichloropropane	ND		70.2	64.3	92	68.0	98	6	74-127/27
142-28-9	1,3-Dichloropropane	ND		70.2	58.9	84	63.1	91	7	78-118/26
594-20-7	2,2-Dichloropropane	ND		70.2	66.3	94	66.5	95	0	80-137/28
124-48-1	Dibromochloromethane	ND		70.2	64.5	92	69.0	99	7	78-117/27
75-71-8	Dichlorodifluoromethane	ND		70.2	36.6	52	46.2	66	23	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		70.2	67.8	97	71.2	102	5	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		70.2	63.2	90	69.4	100	9	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62063
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62103-4MS	G0055036.D	1	12/20/08	MM	n/a	n/a	VG2077
F62103-4MSD	G0055037.D	1	12/20/08	MM	n/a	n/a	VG2077
F62103-4	G0055035.D	1	12/20/08	MM	n/a	n/a	VG2077

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62063-7

CAS No.	Compound	F62103-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		70.2	61.8	88	63.5	91	3	71-126/28
541-73-1	m-Dichlorobenzene	ND		70.2	71.9	102	74.9	108	4	82-126/29
95-50-1	o-Dichlorobenzene	ND		70.2	69.2	99	71.5	103	3	83-123/28
106-46-7	p-Dichlorobenzene	ND		70.2	70.9	101	72.0	103	2	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		70.2	72.4	103	75.2	108	4	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		70.2	65.8	94	70.8	102	7	87-131/27
100-41-4	Ethylbenzene	ND		70.2	69.5	99	72.6	104	4	82-124/25
97-63-2	Ethyl methacrylate	ND		70.2	35.2	50*	33.6	48*	5	78-118/30
76-13-1	Freon 113	ND		70.2	75.7	108	76.0	109	0	62-147/29
591-78-6	2-Hexanone	ND		351	229	65*	261	75	13	67-130/29
87-68-3	Hexachlorobutadiene	ND		70.2	87.8	125	86.2	124	2	77-150/36
110-54-3	Hexane	ND		70.2	78.3	111	80.4	115	3	65-147/27
98-82-8	Isopropylbenzene	15.7		70.2	72.2	80*	76.9	88	6	82-133/27
99-87-6	p-Isopropyltoluene	ND		70.2	73.1	104	78.5	113	7	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		351	274	78	307	88	11	69-125/24
126-98-7	Methacrylonitrile	ND		702	697	99	780	112	11	70-138/22
74-83-9	Methyl bromide	ND		70.2	67.0	95	69.7	100	4	60-146/31
74-87-3	Methyl chloride	ND		70.2	60.4	86	62.3	89	3	58-163/26
74-88-4	Methyl iodide	ND		70.2	59.3	84	60.2	86	2	66-128/27
80-62-6	Methyl methacrylate	ND		70.2	64.8	92	76.3	110	16	73-125/24
74-95-3	Methylene bromide	ND		70.2	63.6	91	66.9	96	5	75-128/26
75-09-2	Methylene chloride	8.8	J	70.2	74.7	94	81.9	105	9	62-140/25
78-93-3	Methyl ethyl ketone	ND		351	189	54*	219	63*	15	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		70.2	59.9	85	65.3	94	9	70-131/25
91-20-3	Naphthalene	ND		70.2	61.8	88	65.9	95	6	59-143/31
76-01-7	Pentachloroethane	ND		70.2	73.3	104	73.4	105	0	64-156/37
107-12-0	Propionitrile	ND		702	515	73	586	84	13	73-133/23
103-65-1	n-Propylbenzene	ND		70.2	72.0	102	73.9	106	3	78-129/29
100-42-5	Styrene	ND		70.2	65.9	94	71.9	103	9	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		70.2	66.0	94	68.6	98	4	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		70.2	75.8	108	76.8	110	1	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		70.2	60.5	86	65.8	94	8	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		70.2	61.7	88	63.8	92	3	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		70.2	66.2	94	67.4	97	2	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		70.2	57.1	81	61.1	88	7	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		70.2	70.4	100	74.8	107	6	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62063
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62103-4MS	G0055036.D	1	12/20/08	MM	n/a	n/a	VG2077
F62103-4MSD	G0055037.D	1	12/20/08	MM	n/a	n/a	VG2077
F62103-4	G0055035.D	1	12/20/08	MM	n/a	n/a	VG2077

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62063-7

CAS No.	Compound	F62103-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		70.2	72.9	104	75.3	108	3	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		70.2	74.3	106	76.2	109	3	79-129/31
127-18-4	Tetrachloroethylene	ND		70.2	78.9	112	82.4	118	4	79-132/27
108-88-3	Toluene	ND		70.2	69.6	99	72.3	104	4	80-123/26
79-01-6	Trichloroethylene	ND		70.2	73.4	104	76.9	110	5	78-132/28
75-69-4	Trichlorofluoromethane	ND		70.2	69.8	99	69.8	100	0	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		70.2	116	165*	131	188*	12	74-138/30
75-01-4	Vinyl chloride	ND		70.2	59.3	84	60.6	87	2	60-145/29
108-05-4	Vinyl Acetate	ND		351	112	32	101	29	10	25-164/35
	m,p-Xylene	ND		140	143	102	151	108	5	82-128/25
95-47-6	o-Xylene	ND		70.2	67.8	97	71.7	103	6	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F62103-4	Limits
1868-53-7	Dibromofluoromethane	104%	100%	106%	80-121%
2037-26-5	Toluene-D8	97%	96%	98%	71-130%
460-00-4	4-Bromofluorobenzene	98%	96%	96%	59-148%
17060-07-0	1,2-Dichloroethane-D4	98%	108%	111%	77-123%

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F62063
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3634-MB	CD086408.D	1	12/12/08	JG	n/a	n/a	GCD3634

The QC reported here applies to the following samples: **Method:** SW846 8015

F62063-1, F62063-3, F62063-4, F62063-5, F62063-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	86%	56-136%
98-08-8	aaa-Trifluorotoluene	80%	61-121%

Method Blank Summary

Job Number: F62063
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1972-MB	QR045392.D	1	12/19/08	AH	n/a	n/a	GQR1972

The QC reported here applies to the following samples: **Method:** SW846 8015

F62063-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	76%	56-136%
98-08-8	aaa-Trifluorotoluene	80%	61-121%

Blank Spike Summary

Job Number: F62063
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3634-BS	CD086407.D	1	12/12/08	JG	n/a	n/a	GCD3634

The QC reported here applies to the following samples: **Method:** SW846 8015

F62063-1, F62063-3, F62063-4, F62063-5, F62063-6

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	19.0	95	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	103%	56-136%
98-08-8	aaa-Trifluorotoluene	91%	61-121%

Blank Spike Summary

Job Number: F62063
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1972-BS	QR045391.D	1	12/19/08	AH	n/a	n/a	GQR1972

The QC reported here applies to the following samples: **Method:** SW846 8015

F62063-2

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	18.6	93	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	96%	56-136%
98-08-8	aaa-Trifluorotoluene	101%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62063
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62063-1MS	CD086424.D	1	12/12/08	JG	n/a	n/a	GCD3634
F62063-1MSD	CD086425.D	1	12/12/08	JG	n/a	n/a	GCD3634
F62063-1 [a]	CD086419.D	1	12/12/08	JG	n/a	n/a	GCD3634

The QC reported here applies to the following samples: **Method:** SW846 8015

F62063-1, F62063-3, F62063-4, F62063-5, F62063-6

CAS No.	Compound	F62063-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		21.5	20.7	96	20.4	95	1	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F62063-1	Limits
460-00-4	4-Bromofluorobenzene	117%	112%	85%	56-136%
98-08-8	aaa-Trifluorotoluene	100%	96%	86%	61-121%

(a) En Core samples were not preserved within 48 hours.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62063
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62062-3MS	QR045416.D	1	12/20/08	AH	n/a	n/a	GQR1972
F62062-3MSD	QR045417.D	1	12/20/08	AH	n/a	n/a	GQR1972
F62062-3	QR045394.D	1	12/19/08	AH	n/a	n/a	GQR1972

The QC reported here applies to the following samples: **Method:** SW846 8015

F62063-2

CAS No.	Compound	F62062-3 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		22	20.7	94	20.7	94	0	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F62062-3	Limits
460-00-4	4-Bromofluorobenzene	93%	101%	74%	56-136%
98-08-8	aaa-Trifluorotoluene	100%	96%	80%	61-121%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F62063
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27416-MB	LL24604.D	1	12/18/08	NY	12/11/08	OP27416	GLL917

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62063-1, F62063-2, F62063-3, F62063-4, F62063-5, F62063-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	86%	49-108%

Blank Spike Summary

Job Number: F62063
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27416-BS	LL24603.D	1	12/18/08	NY	12/11/08	OP27416	GLL917

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62063-1, F62063-2, F62063-3, F62063-4, F62063-5, F62063-6

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	31.0	93	64-102
	TPH (> C22-C36)	33.3	37.1	111	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	91%	49-108%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62063
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27416-MS	LL24627.D	1	12/19/08	NY	12/11/08	OP27416	GLL917
OP27416-MSD	LL24628.D	1	12/19/08	NY	12/11/08	OP27416	GLL917
F62103-4	LL24626.D	1	12/19/08	NY	12/11/08	OP27416	GLL917

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62063-1, F62063-2, F62063-3, F62063-4, F62063-5, F62063-6

CAS No.	Compound	F62103-4 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		43	39.4	92	38.3	90	3	64-102/32
	TPH (> C22-C36)	ND		43	50.1	116	52.0	122	4	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F62103-4	Limits
84-15-1	o-Terphenyl	91%	92%	84%	49-108%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/29/08

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F62066

Sampling Date: 12/08/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: 75

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Note: This report is password protected to disallow document modification or assembly.
A password to unlock this report is available from your client service representative.

Sections: 1 2 3 4 5 6 7

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F62066-1: SS61-SB57-22 7
3.2: F62066-2: SS61-SB57-28 12
3.3: F62066-3: SS61-SB57-35 17
3.4: F62066-4: SS61-SB58-20 22
3.5: F62066-5: SS61-SB58-25 27
3.6: F62066-6: SS61-SB58-35 32
3.7: F62066-7: TRIP BLANK 37
Section 4: Misc. Forms **40**
4.1: Chain of Custody 41
Section 5: GC/MS Volatiles - QC Data Summaries **43**
5.1: Method Blank Summary 44
5.2: Blank Spike Summary 51
5.3: Matrix Spike/Matrix Spike Duplicate Summary 58
Section 6: GC Volatiles - QC Data Summaries **65**
6.1: Method Blank Summary 66
6.2: Blank Spike Summary 68
6.3: Matrix Spike/Matrix Spike Duplicate Summary 70
Section 7: GC Semi-volatiles - QC Data Summaries **72**
7.1: Method Blank Summary 73
7.2: Blank Spike Summary 74
7.3: Matrix Spike/Matrix Spike Duplicate Summary 75

Sample Summary

North Wind, Inc

Job No: F62066

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F62066-1	12/08/08	08:00	ZB	12/09/08	SO	Soil	SS61-SB57-22
F62066-2	12/08/08	08:10	ZB	12/09/08	SO	Soil	SS61-SB57-28
F62066-3	12/08/08	08:20	ZB	12/09/08	SO	Soil	SS61-SB57-35
F62066-4	12/08/08	09:15	ZB	12/09/08	SO	Soil	SS61-SB58-20
F62066-5	12/08/08	09:30	ZB	12/09/08	SO	Soil	SS61-SB58-25
F62066-6	12/08/08	09:45	ZB	12/09/08	SO	Soil	SS61-SB58-35
F62066-7	12/08/08	00:00	ZB	12/09/08	SO	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F62066

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/23/2008 2:04:12

6 Samples, 1 Trip Blank were collected on 12/08/2008 and received at Accutest on 12/09/2008 properly preserved, at 2.4 Deg. C and intact. These Samples received an Accutest job number of F62066. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2075

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F62062-1MS, F62062-1MSD were used as the QC samples indicated.

Blank Spike Recovery(s) for Acetone, Acrolein, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for Acetone, Acrolein, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 2-Hexanone, Acetone, Acrolein, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Sample(s) F62066-7 have surrogates outside control limits. Probable cause due to matrix interference.

F62066-3 for Methylene chloride: Suspected laboratory contaminant.

F62066-2 for Methylene chloride: Suspected laboratory contaminant.

F62066-1 for Methylene chloride: Suspected laboratory contaminant.

F62066-5 for Methylene chloride: Suspected laboratory contaminant.

F62066-4 for Methylene chloride: Suspected laboratory contaminant.

Matrix: SO **Batch ID:** VG2076

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F62255-1MS, F62255-1MSD were used as the QC samples indicated.

Blank Spike Recovery(s) for 2-Hexanone, Acetone, Bromoform, Ethyl methacrylate, Methyl ethyl ketone, Propionitrile, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for 1,1,2-Trichloroethane, 2,2-Dichloropropane, Acetone, Acrolein, Benzyl Chloride, cis-1,2-Dichloroethylene, Ethyl methacrylate, Methyl ethyl ketone, Methyl methacrylate, Methylene chloride, Tetrachloroethylene, Trans-1,4-Dichloro-2-Butene, Trichloroethylene, Vinyl Acetate, Vinyl chloride are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1-Chlorohexane, 2,2-Dichloropropane, 2-Hexanone, Acetone, Acrolein, Benzyl Chloride, cis-1,2-Dichloroethylene, Ethyl methacrylate, Hexachlorobutadiene, m-Dichlorobenzene, Methyl ethyl ketone, n-Butylbenzene, o-Dichlorobenzene, p-Dichlorobenzene, p-Isopropyltoluene, sec-Butylbenzene, tert-Butylbenzene, Tetrachloroethylene, Trans-1,4-Dichloro-2-Butene, Trichloroethylene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

RPD(s) for MSD for 1,1,2-Trichloroethane, Acrolein, Methyl methacrylate are outside control limits for sample F62255-1MSD. Probable cause due to sample homogeneity.

Sample(s) F62066-7 have surrogates outside control limits. Probable cause due to matrix interference.

F62066-7 for Methylene chloride: Suspected laboratory contaminant.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2076

F62066-6 for Methylene chloride: Suspected laboratory contaminant.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GQR1970

All samples were analyzed within the recommended method holding time.
Sample(s) F62103-4MS, F62103-4MSD were used as the QC samples indicated.
All method blanks for this batch meet method specific criteria.
Matrix Spike Recovery(s) for TPH-GRO (C6-C10) are outside control limits. Probable cause due to matrix interference.
Sample(s) F62066-2, F62066-5 have surrogates outside control limits. Probable cause due to matrix interference.

Matrix: SO **Batch ID:** GQR1972

All samples were analyzed within the recommended method holding time.
All method blanks for this batch meet method specific criteria.
Sample(s) F62062-3MS, F62062-3MSD were used as the QC samples indicated.
Sample(s) F62066-2, F62066-5 have surrogates outside control limits. Probable cause due to matrix interference.
F62066-2 for aaa-Trifluorotoluene: Outside control limits due to matrix interference.
F62066-2 for aaa-Trifluorotoluene: Result reported from PID.
F62066-5 for aaa-Trifluorotoluene: Outside control limits due to matrix interference.

Extractables by GC By Method SW846 8015 M

Matrix: SO **Batch ID:** OP27416

All samples were extracted within the recommended method holding time.
All samples were analyzed within the recommended method holding time.
Sample(s) F62103-4MS, F62103-4MSD were used as the QC samples indicated.
All method blanks for this batch meet method specific criteria.

Wet Chemistry By Method SM19 2540B M

Matrix: SO **Batch ID:** GN33116

Sample(s) F62027-1DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: December 24, 2008

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-SB57-22		
Lab Sample ID:	F62066-1	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054977.D	1	12/18/08	MM	12/09/08 16:04	n/a	VG2075
Run #2							

	Initial Weight
Run #1	6.25 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	46	23	ug/kg	
75-05-8	Acetonitrile	ND	46	15	ug/kg	
107-02-8	Acrolein	ND	23	8.9	ug/kg	
107-13-1	Acrylonitrile	ND	23	6.3	ug/kg	
107-05-1	Allyl chloride	ND	23	4.6	ug/kg	
71-43-2	Benzene	10.2	4.6	0.91	ug/kg	
100-44-7	Benzyl Chloride	ND	4.6	1.0	ug/kg	
108-86-1	Bromobenzene	ND	4.6	0.91	ug/kg	
74-97-5	Bromochloromethane	ND	4.6	1.6	ug/kg	
75-27-4	Bromodichloromethane	ND	4.6	1.1	ug/kg	
75-25-2	Bromoform	ND	4.6	1.4	ug/kg	
104-51-8	n-Butylbenzene	ND	4.6	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	4.6	1.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	4.6	1.0	ug/kg	
108-90-7	Chlorobenzene	ND	4.6	0.91	ug/kg	
75-00-3	Chloroethane	ND	4.6	1.8	ug/kg	
67-66-3	Chloroform	ND	4.6	1.6	ug/kg	
544-10-5	1-Chlorohexane	ND	4.6	1.2	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.6	0.91	ug/kg	
106-43-4	p-Chlorotoluene	ND	4.6	0.91	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	23	9.1	ug/kg	
75-15-0	Carbon disulfide	ND	4.6	1.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.6	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.6	1.8	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.6	1.2	ug/kg	
563-58-6	1,1-Dichloropropene	ND	4.6	1.3	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.6	2.2	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4.6	0.91	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.6	1.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.6	1.3	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4.6	0.91	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4.6	1.9	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB57-22		
Lab Sample ID:	F62066-1	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	4.6	0.91	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.6	1.8	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.6	1.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.6	1.2	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	23	4.6	ug/kg	
541-73-1	m-Dichlorobenzene	ND	4.6	0.91	ug/kg	
95-50-1	o-Dichlorobenzene	ND	4.6	0.91	ug/kg	
106-46-7	p-Dichlorobenzene	ND	4.6	0.91	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	4.6	1.1	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.6	0.91	ug/kg	
100-41-4	Ethylbenzene	ND	4.6	0.91	ug/kg	
97-63-2	Ethyl methacrylate	ND	23	4.6	ug/kg	
76-13-1	Freon 113	ND	4.6	2.4	ug/kg	
591-78-6	2-Hexanone	ND	23	4.6	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.6	1.1	ug/kg	
110-54-3	Hexane	ND	4.6	2.2	ug/kg	
98-82-8	Isopropylbenzene	2.9	4.6	1.0	ug/kg	J
99-87-6	p-Isopropyltoluene	ND	4.6	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	23	5.8	ug/kg	
126-98-7	Methacrylonitrile	ND	23	5.0	ug/kg	
74-83-9	Methyl bromide	ND	4.6	2.0	ug/kg	
74-87-3	Methyl chloride	ND	4.6	2.2	ug/kg	
74-88-4	Methyl iodide	ND	9.1	1.8	ug/kg	
80-62-6	Methyl methacrylate	ND	23	4.6	ug/kg	
74-95-3	Methylene bromide	ND	4.6	1.4	ug/kg	
75-09-2	Methylene chloride [a]	5.9	9.1	4.6	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	23	7.6	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.6	1.4	ug/kg	
91-20-3	Naphthalene	ND	4.6	1.8	ug/kg	
76-01-7	Pentachloroethane	ND	23	4.6	ug/kg	
107-12-0	Propionitrile	ND	46	11	ug/kg	
103-65-1	n-Propylbenzene	ND	4.6	1.1	ug/kg	
100-42-5	Styrene	ND	4.6	0.91	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.6	0.91	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.6	1.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.6	1.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.6	0.91	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.6	1.8	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.6	1.7	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.6	1.8	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB57-22		
Lab Sample ID:	F62066-1	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	87.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	4.6	0.91	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.6	0.91	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.6	1.1	ug/kg	
108-88-3	Toluene	ND	4.6	0.91	ug/kg	
79-01-6	Trichloroethylene	ND	4.6	1.1	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.6	1.8	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	23	4.6	ug/kg	
75-01-4	Vinyl chloride	ND	4.6	1.8	ug/kg	
108-05-4	Vinyl Acetate	ND	23	11	ug/kg	
	m,p-Xylene	ND	9.1	1.7	ug/kg	
95-47-6	o-Xylene	ND	4.6	0.91	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-121%
2037-26-5	Toluene-D8	91%		71-130%
460-00-4	4-Bromofluorobenzene	100%		59-148%
17060-07-0	1,2-Dichloroethane-D4	120%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB57-22		
Lab Sample ID:	F62066-1	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	87.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045337.D	1	12/18/08	AH	12/09/08 16:04	n/a	GQR1970
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.95 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.5	2.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	78%		56-136%
98-08-8	aaa-Trifluorotoluene	78%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB57-22		
Lab Sample ID:	F62066-1	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	87.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24614.D	1	12/18/08	NY	12/11/08	OP27416	GLL917
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.4	5.6	mg/kg	
	TPH (> C22-C36)	ND	9.4	5.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	82%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB57-28		
Lab Sample ID:	F62066-2	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054978.D	1	12/18/08	MM	12/09/08 16:04	n/a	VG2075
Run #2	G0055014.D	1	12/19/08	MM	12/09/08 16:04	n/a	VG2076

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.61 g	5.0 ml	50.0 ul
Run #2	5.61 g	5.0 ml	10.0 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	6700	3400	ug/kg	
75-05-8	Acetonitrile	ND	6700	2200	ug/kg	
107-02-8	Acrolein	ND	3400	1300	ug/kg	
107-13-1	Acrylonitrile	ND	3400	930	ug/kg	
107-05-1	Allyl chloride	ND	3400	670	ug/kg	
71-43-2	Benzene	8490	670	130	ug/kg	
100-44-7	Benzyl Chloride	ND	670	150	ug/kg	
108-86-1	Bromobenzene	ND	670	130	ug/kg	
74-97-5	Bromochloromethane	ND	670	230	ug/kg	
75-27-4	Bromodichloromethane	ND	670	160	ug/kg	
75-25-2	Bromoform	ND	670	200	ug/kg	
104-51-8	n-Butylbenzene	ND	670	190	ug/kg	
135-98-8	sec-Butylbenzene	1210	670	150	ug/kg	
98-06-6	tert-Butylbenzene	613	670	150	ug/kg	J
108-90-7	Chlorobenzene	ND	670	130	ug/kg	
75-00-3	Chloroethane	ND	670	270	ug/kg	
67-66-3	Chloroform	ND	670	230	ug/kg	
544-10-5	1-Chlorohexane	ND	670	180	ug/kg	
95-49-8	o-Chlorotoluene	ND	670	130	ug/kg	
106-43-4	p-Chlorotoluene	ND	670	130	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	3400	1300	ug/kg	
75-15-0	Carbon disulfide	ND	670	150	ug/kg	
56-23-5	Carbon tetrachloride	ND	670	190	ug/kg	
75-34-3	1,1-Dichloroethane	ND	670	270	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	670	180	ug/kg	
563-58-6	1,1-Dichloropropene	ND	670	190	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	670	320	ug/kg	
106-93-4	1,2-Dibromoethane	ND	670	130	ug/kg	
107-06-2	1,2-Dichloroethane	ND	670	150	ug/kg	
78-87-5	1,2-Dichloropropane	ND	670	190	ug/kg	
142-28-9	1,3-Dichloropropane	ND	670	130	ug/kg	
594-20-7	2,2-Dichloropropane	ND	670	280	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB57-28		
Lab Sample ID:	F62066-2	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	670	130	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	670	270	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	670	220	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	670	180	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	3400	670	ug/kg	
541-73-1	m-Dichlorobenzene	ND	670	130	ug/kg	
95-50-1	o-Dichlorobenzene	ND	670	130	ug/kg	
106-46-7	p-Dichlorobenzene	ND	670	130	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	670	160	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	670	130	ug/kg	
100-41-4	Ethylbenzene	19300	670	130	ug/kg	
97-63-2	Ethyl methacrylate	ND	3400	670	ug/kg	
76-13-1	Freon 113	ND	670	350	ug/kg	
591-78-6	2-Hexanone	ND	3400	670	ug/kg	
87-68-3	Hexachlorobutadiene	ND	670	160	ug/kg	
110-54-3	Hexane	ND	670	320	ug/kg	
98-82-8	Isopropylbenzene	79100 [a]	3400	740	ug/kg	
99-87-6	p-Isopropyltoluene	ND	670	150	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	3400	860	ug/kg	
126-98-7	Methacrylonitrile	ND	3400	740	ug/kg	
74-83-9	Methyl bromide	ND	670	300	ug/kg	
74-87-3	Methyl chloride	ND	670	320	ug/kg	
74-88-4	Methyl iodide	ND	1300	270	ug/kg	
80-62-6	Methyl methacrylate	ND	3400	670	ug/kg	
74-95-3	Methylene bromide	ND	670	200	ug/kg	
75-09-2	Methylene chloride [b]	2540	1300	670	ug/kg	
78-93-3	Methyl ethyl ketone	ND	3400	1100	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	670	200	ug/kg	
91-20-3	Naphthalene	ND	670	270	ug/kg	
76-01-7	Pentachloroethane	ND	3400	670	ug/kg	
107-12-0	Propionitrile	ND	6700	1600	ug/kg	
103-65-1	n-Propylbenzene	3160	670	160	ug/kg	
100-42-5	Styrene	ND	670	130	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	670	130	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	670	150	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	670	240	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	670	130	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	670	270	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	670	260	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	670	270	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB57-28		
Lab Sample ID:	F62066-2	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	670	130	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	578	670	130	ug/kg	J
127-18-4	Tetrachloroethylene	ND	670	160	ug/kg	
108-88-3	Toluene	ND	670	130	ug/kg	
79-01-6	Trichloroethylene	ND	670	160	ug/kg	
75-69-4	Trichlorofluoromethane	ND	670	270	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	3400	670	ug/kg	
75-01-4	Vinyl chloride	ND	670	270	ug/kg	
108-05-4	Vinyl Acetate	ND	3400	1600	ug/kg	
	m,p-Xylene	ND	1300	260	ug/kg	
95-47-6	o-Xylene	ND	670	130	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	103%	80-121%
2037-26-5	Toluene-D8	105%	94%	71-130%
460-00-4	4-Bromofluorobenzene	97%	96%	59-148%
17060-07-0	1,2-Dichloroethane-D4	108%	110%	77-123%

(a) Result is from Run# 2
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB57-28		
Lab Sample ID:	F62066-2	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	80.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045397.D	10	12/19/08	AH	12/09/08 16:04	n/a	GQR1972
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.61 g	5.0 ml	25.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1860	270	130	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	80%		56-136%
98-08-8	aaa-Trifluorotoluene	109% [a]		61-121%
98-08-8	aaa-Trifluorotoluene	155% [b]		61-121%

(a) Result reported from PID.
(b) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB57-28		
Lab Sample ID:	F62066-2	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	80.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24615.D	1	12/18/08	NY	12/11/08	OP27416	GLL917
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	8.01	10	6.1	mg/kg	J
	TPH (> C22-C36)	ND	10	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	91%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB57-35		
Lab Sample ID:	F62066-3	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054979.D	1	12/18/08	MM	12/09/08 17:19	n/a	VG2075
Run #2							

	Initial Weight
Run #1	5.98 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	49	24	ug/kg	
75-05-8	Acetonitrile	ND	49	16	ug/kg	
107-02-8	Acrolein	ND	24	9.5	ug/kg	
107-13-1	Acrylonitrile	ND	24	6.7	ug/kg	
107-05-1	Allyl chloride	ND	24	4.9	ug/kg	
71-43-2	Benzene	ND	4.9	0.97	ug/kg	
100-44-7	Benzyl Chloride	ND	4.9	1.1	ug/kg	
108-86-1	Bromobenzene	ND	4.9	0.97	ug/kg	
74-97-5	Bromochloromethane	ND	4.9	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	4.9	1.2	ug/kg	
75-25-2	Bromoform	ND	4.9	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	4.9	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	4.9	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	4.9	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	4.9	0.97	ug/kg	
75-00-3	Chloroethane	ND	4.9	1.9	ug/kg	
67-66-3	Chloroform	ND	4.9	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	4.9	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.9	0.97	ug/kg	
106-43-4	p-Chlorotoluene	ND	4.9	0.97	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	24	9.7	ug/kg	
75-15-0	Carbon disulfide	ND	4.9	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.9	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.9	1.9	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.9	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	4.9	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.9	2.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4.9	0.97	ug/kg	
107-06-2	1,2-Dichloroethane	19.4	4.9	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.9	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4.9	0.97	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4.9	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB57-35		
Lab Sample ID:	F62066-3	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	4.9	0.97	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.9	1.9	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.9	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.9	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	24	4.9	ug/kg	
541-73-1	m-Dichlorobenzene	ND	4.9	0.97	ug/kg	
95-50-1	o-Dichlorobenzene	ND	4.9	0.97	ug/kg	
106-46-7	p-Dichlorobenzene	ND	4.9	0.97	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	4.9	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.9	0.97	ug/kg	
100-41-4	Ethylbenzene	ND	4.9	0.97	ug/kg	
97-63-2	Ethyl methacrylate	ND	24	4.9	ug/kg	
76-13-1	Freon 113	ND	4.9	2.5	ug/kg	
591-78-6	2-Hexanone	ND	24	4.9	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.9	1.2	ug/kg	
110-54-3	Hexane	ND	4.9	2.3	ug/kg	
98-82-8	Isopropylbenzene	6.3	4.9	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	4.9	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	24	6.2	ug/kg	
126-98-7	Methacrylonitrile	ND	24	5.4	ug/kg	
74-83-9	Methyl bromide	ND	4.9	2.1	ug/kg	
74-87-3	Methyl chloride	ND	4.9	2.3	ug/kg	
74-88-4	Methyl iodide	ND	9.7	1.9	ug/kg	
80-62-6	Methyl methacrylate	ND	24	4.9	ug/kg	
74-95-3	Methylene bromide	ND	4.9	1.5	ug/kg	
75-09-2	Methylene chloride [a]	6.9	9.7	4.9	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	24	8.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.9	1.5	ug/kg	
91-20-3	Naphthalene	ND	4.9	1.9	ug/kg	
76-01-7	Pentachloroethane	ND	24	4.9	ug/kg	
107-12-0	Propionitrile	ND	49	12	ug/kg	
103-65-1	n-Propylbenzene	ND	4.9	1.2	ug/kg	
100-42-5	Styrene	ND	4.9	0.97	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.9	0.97	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.9	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.9	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.9	0.97	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.9	1.9	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.9	1.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	1.9	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB57-35		
Lab Sample ID:	F62066-3	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	4.9	0.97	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.9	0.97	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.9	1.2	ug/kg	
108-88-3	Toluene	ND	4.9	0.97	ug/kg	
79-01-6	Trichloroethylene	ND	4.9	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.9	1.9	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	24	4.9	ug/kg	
75-01-4	Vinyl chloride	ND	4.9	1.9	ug/kg	
108-05-4	Vinyl Acetate	ND	24	12	ug/kg	
	m,p-Xylene	ND	9.7	1.8	ug/kg	
95-47-6	o-Xylene	ND	4.9	0.97	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-121%
2037-26-5	Toluene-D8	92%		71-130%
460-00-4	4-Bromofluorobenzene	97%		59-148%
17060-07-0	1,2-Dichloroethane-D4	113%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB57-35		
Lab Sample ID:	F62066-3	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	85.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045339.D	1	12/18/08	AH	12/09/08 17:19	n/a	GQR1970
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.79 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.8	2.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	93%		56-136%
98-08-8	aaa-Trifluorotoluene	82%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB57-35		
Lab Sample ID:	F62066-3	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	85.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24616.D	1	12/18/08	NY	12/11/08	OP27416	GLL917
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.5	5.7	mg/kg	
	TPH (> C22-C36)	ND	9.5	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB58-20		
Lab Sample ID:	F62066-4	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	90.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054980.D	1	12/18/08	MM	12/09/08 17:19	n/a	VG2075
Run #2							

	Initial Weight
Run #1	5.54 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB58-20		
Lab Sample ID:	F62066-4	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	90.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	1.6	5.0	1.1	ug/kg	J
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride [a]	10.5	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB58-20		
Lab Sample ID:	F62066-4	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	90.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-121%
2037-26-5	Toluene-D8	90%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	110%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB58-20		
Lab Sample ID:	F62066-4	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	90.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045340.D	1	12/18/08	AH	12/09/08 17:19	n/a	GQR1970
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.58 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.5	2.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	87%		56-136%
98-08-8	aaa-Trifluorotoluene	78%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB58-20		
Lab Sample ID:	F62066-4	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	90.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24617.D	1	12/18/08	NY	12/11/08	OP27416	GLL917
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.0	5.4	mg/kg	
	TPH (> C22-C36)	ND	9.0	5.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	86%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB58-25		
Lab Sample ID:	F62066-5	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0054984.D	1	12/18/08	MM	12/09/08 17:19	n/a	VG2075
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.52 g	5.0 ml	20.0 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	17000	8600	ug/kg	
75-05-8	Acetonitrile	ND	17000	5500	ug/kg	
107-02-8	Acrolein	ND	8600	3400	ug/kg	
107-13-1	Acrylonitrile	ND	8600	2400	ug/kg	
107-05-1	Allyl chloride	ND	8600	1700	ug/kg	
71-43-2	Benzene	2130	1700	350	ug/kg	
100-44-7	Benzyl Chloride	ND	1700	380	ug/kg	
108-86-1	Bromobenzene	ND	1700	350	ug/kg	
74-97-5	Bromochloromethane	ND	1700	590	ug/kg	
75-27-4	Bromodichloromethane	ND	1700	410	ug/kg	
75-25-2	Bromoform	ND	1700	520	ug/kg	
104-51-8	n-Butylbenzene	ND	1700	480	ug/kg	
135-98-8	sec-Butylbenzene	1810	1700	380	ug/kg	
98-06-6	tert-Butylbenzene	772	1700	380	ug/kg	J
108-90-7	Chlorobenzene	ND	1700	350	ug/kg	
75-00-3	Chloroethane	ND	1700	690	ug/kg	
67-66-3	Chloroform	ND	1700	590	ug/kg	
544-10-5	1-Chlorohexane	ND	1700	450	ug/kg	
95-49-8	o-Chlorotoluene	ND	1700	350	ug/kg	
106-43-4	p-Chlorotoluene	ND	1700	350	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	8600	3500	ug/kg	
75-15-0	Carbon disulfide	ND	1700	380	ug/kg	
56-23-5	Carbon tetrachloride	ND	1700	480	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1700	690	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	1700	450	ug/kg	
563-58-6	1,1-Dichloropropene	ND	1700	480	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1700	830	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1700	350	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1700	380	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1700	480	ug/kg	
142-28-9	1,3-Dichloropropane	ND	1700	350	ug/kg	
594-20-7	2,2-Dichloropropane	ND	1700	730	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB58-25		
Lab Sample ID:	F62066-5	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1700	350	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	1700	690	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	1700	550	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1700	450	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	8600	1700	ug/kg	
541-73-1	m-Dichlorobenzene	ND	1700	350	ug/kg	
95-50-1	o-Dichlorobenzene	ND	1700	350	ug/kg	
106-46-7	p-Dichlorobenzene	ND	1700	350	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	1700	410	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1700	350	ug/kg	
100-41-4	Ethylbenzene	ND	1700	350	ug/kg	
97-63-2	Ethyl methacrylate	ND	8600	1700	ug/kg	
76-13-1	Freon 113	ND	1700	900	ug/kg	
591-78-6	2-Hexanone	ND	8600	1700	ug/kg	
87-68-3	Hexachlorobutadiene	ND	1700	410	ug/kg	
110-54-3	Hexane	3830	1700	830	ug/kg	
98-82-8	Isopropylbenzene	68100	1700	380	ug/kg	
99-87-6	p-Isopropyltoluene	ND	1700	380	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	8600	2200	ug/kg	
126-98-7	Methacrylonitrile	ND	8600	1900	ug/kg	
74-83-9	Methyl bromide	ND	1700	760	ug/kg	
74-87-3	Methyl chloride	ND	1700	830	ug/kg	
74-88-4	Methyl iodide	ND	3500	690	ug/kg	
80-62-6	Methyl methacrylate	ND	8600	1700	ug/kg	
74-95-3	Methylene bromide	ND	1700	520	ug/kg	
75-09-2	Methylene chloride [a]	6350	3500	1700	ug/kg	
78-93-3	Methyl ethyl ketone	ND	8600	2900	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1700	520	ug/kg	
91-20-3	Naphthalene	ND	1700	690	ug/kg	
76-01-7	Pentachloroethane	ND	8600	1700	ug/kg	
107-12-0	Propionitrile	ND	17000	4100	ug/kg	
103-65-1	n-Propylbenzene	1680	1700	410	ug/kg	J
100-42-5	Styrene	ND	1700	350	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1700	350	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1700	380	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1700	620	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1700	350	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	1700	690	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	1700	660	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	1700	690	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB58-25		
Lab Sample ID:	F62066-5	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	20500	1700	350	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	12200	1700	350	ug/kg	
127-18-4	Tetrachloroethylene	ND	1700	410	ug/kg	
108-88-3	Toluene	ND	1700	350	ug/kg	
79-01-6	Trichloroethylene	ND	1700	410	ug/kg	
75-69-4	Trichlorofluoromethane	ND	1700	690	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	8600	1700	ug/kg	
75-01-4	Vinyl chloride	ND	1700	690	ug/kg	
108-05-4	Vinyl Acetate	ND	8600	4100	ug/kg	
	m,p-Xylene	13000	3500	660	ug/kg	
95-47-6	o-Xylene	376	1700	350	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-121%
2037-26-5	Toluene-D8	91%		71-130%
460-00-4	4-Bromofluorobenzene	95%		59-148%
17060-07-0	1,2-Dichloroethane-D4	108%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB58-25		
Lab Sample ID:	F62066-5	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	80.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045398.D	10	12/19/08	AH	12/09/08 17:19	n/a	GQR1972
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.52 g	5.0 ml	25.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1680	280	140	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	97%		56-136%
98-08-8	aaa-Trifluorotoluene	181% [a]		61-121%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB58-25		
Lab Sample ID:	F62066-5	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	80.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24618.D	1	12/18/08	NY	12/11/08	OP27416	GLL917
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.2	mg/kg	
	TPH (> C22-C36)	ND	10	6.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	87%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB58-35		
Lab Sample ID:	F62066-6	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0055015.D	1	12/19/08	MM	12/09/08 17:19	n/a	VG2076
Run #2							

	Initial Weight
Run #1	6.04 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	48	24	ug/kg	
75-05-8	Acetonitrile	ND	48	15	ug/kg	
107-02-8	Acrolein	ND	24	9.4	ug/kg	
107-13-1	Acrylonitrile	ND	24	6.6	ug/kg	
107-05-1	Allyl chloride	ND	24	4.8	ug/kg	
71-43-2	Benzene	10.2	4.8	0.96	ug/kg	
100-44-7	Benzyl Chloride	ND	4.8	1.1	ug/kg	
108-86-1	Bromobenzene	ND	4.8	0.96	ug/kg	
74-97-5	Bromochloromethane	ND	4.8	1.6	ug/kg	
75-27-4	Bromodichloromethane	ND	4.8	1.2	ug/kg	
75-25-2	Bromoform	ND	4.8	1.4	ug/kg	
104-51-8	n-Butylbenzene	ND	4.8	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	4.8	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	4.8	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	4.8	0.96	ug/kg	
75-00-3	Chloroethane	ND	4.8	1.9	ug/kg	
67-66-3	Chloroform	ND	4.8	1.6	ug/kg	
544-10-5	1-Chlorohexane	ND	4.8	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.8	0.96	ug/kg	
106-43-4	p-Chlorotoluene	ND	4.8	0.96	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	24	9.6	ug/kg	
75-15-0	Carbon disulfide	1.2	4.8	1.1	ug/kg	J
56-23-5	Carbon tetrachloride	ND	4.8	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.8	1.9	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.8	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	4.8	1.3	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.8	2.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4.8	0.96	ug/kg	
107-06-2	1,2-Dichloroethane	4.2	4.8	1.1	ug/kg	J
78-87-5	1,2-Dichloropropane	ND	4.8	1.3	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4.8	0.96	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4.8	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB58-35		
Lab Sample ID:	F62066-6	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	4.8	0.96	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.8	1.9	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.8	1.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.8	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	24	4.8	ug/kg	
541-73-1	m-Dichlorobenzene	ND	4.8	0.96	ug/kg	
95-50-1	o-Dichlorobenzene	ND	4.8	0.96	ug/kg	
106-46-7	p-Dichlorobenzene	ND	4.8	0.96	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	4.8	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.8	0.96	ug/kg	
100-41-4	Ethylbenzene	ND	4.8	0.96	ug/kg	
97-63-2	Ethyl methacrylate	ND	24	4.8	ug/kg	
76-13-1	Freon 113	ND	4.8	2.5	ug/kg	
591-78-6	2-Hexanone	ND	24	4.8	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.8	1.2	ug/kg	
110-54-3	Hexane	ND	4.8	2.3	ug/kg	
98-82-8	Isopropylbenzene	3.9	4.8	1.1	ug/kg	J
99-87-6	p-Isopropyltoluene	ND	4.8	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	24	6.2	ug/kg	
126-98-7	Methacrylonitrile	ND	24	5.3	ug/kg	
74-83-9	Methyl bromide	ND	4.8	2.1	ug/kg	
74-87-3	Methyl chloride	ND	4.8	2.3	ug/kg	
74-88-4	Methyl iodide	ND	9.6	1.9	ug/kg	
80-62-6	Methyl methacrylate	ND	24	4.8	ug/kg	
74-95-3	Methylene bromide	ND	4.8	1.4	ug/kg	
75-09-2	Methylene chloride [a]	5.5	9.6	4.8	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	24	8.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.8	1.4	ug/kg	
91-20-3	Naphthalene	ND	4.8	1.9	ug/kg	
76-01-7	Pentachloroethane	ND	24	4.8	ug/kg	
107-12-0	Propionitrile	ND	48	12	ug/kg	
103-65-1	n-Propylbenzene	ND	4.8	1.2	ug/kg	
100-42-5	Styrene	ND	4.8	0.96	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.8	0.96	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.8	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.8	1.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.8	0.96	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.8	1.9	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.8	1.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	1.9	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB58-35		
Lab Sample ID:	F62066-6	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	4.8	0.96	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.8	0.96	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.8	1.2	ug/kg	
108-88-3	Toluene	ND	4.8	0.96	ug/kg	
79-01-6	Trichloroethylene	ND	4.8	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.8	1.9	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	24	4.8	ug/kg	
75-01-4	Vinyl chloride	ND	4.8	1.9	ug/kg	
108-05-4	Vinyl Acetate	ND	24	12	ug/kg	
	m,p-Xylene	ND	9.6	1.8	ug/kg	
95-47-6	o-Xylene	ND	4.8	0.96	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		80-121%
2037-26-5	Toluene-D8	92%		71-130%
460-00-4	4-Bromofluorobenzene	96%		59-148%
17060-07-0	1,2-Dichloroethane-D4	107%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB58-35		
Lab Sample ID:	F62066-6	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	85.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045342.D	1	12/18/08	AH	12/09/08 17:19	n/a	GQR1970
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.95 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.7	2.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	84%		56-136%
98-08-8	aaa-Trifluorotoluene	84%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB58-35		
Lab Sample ID:	F62066-6	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/09/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	85.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24619.D	1	12/18/08	NY	12/11/08	OP27416	GLL917
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.6	5.8	mg/kg	
	TPH (> C22-C36)	ND	9.6	5.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	89%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F62066-7	**Date Sampled:**	12/08/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/09/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0055016.D	1	12/19/08	MM	n/a	n/a	VG2076
Run #2 [a]	F032906.D	1	12/23/08	SH	n/a	n/a	VF829

	Initial Weight
Run #1	5.00 g
Run #2	5.00 g

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F62066-7	**Date Sampled:**	12/08/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/09/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride [b]	32.4	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F62066-7	**Date Sampled:**	12/08/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/09/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%	87%	80-121%
2037-26-5	Toluene-D8	87%	106%	71-130%
460-00-4	4-Bromofluorobenzene	99%	108%	59-148%
17060-07-0	1,2-Dichloroethane-D4	128% [c]	84%	77-123%

(a) Confirmation run. Sample re-analyzed beyond hold time; reported results are considered minimum values.
(b) Suspected laboratory contaminant.
(c) Outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

F62066

Page 1 of 1

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number [1]: 12-08-2009-2

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Zack Beck / Greg Kinsman

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)	Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
	Sample Analysis Requested [5]													**Quality Assurance Samples [6]**			
1	SS61-SB57-22	SS61-SB57	08-Dec-2008	0800	20 - 22	N	01	SO	5	X	X	X					2
2	SS61-SB57-28	SS61-SB57	08-Dec-2008	0810	26 - 28	N	01	SO	5	X	X	X					2
3	SS61-SB57-35	SS61-SB57	08-Dec-2008	0820	33 - 35	N	01	SO	5	X	X	X					2
4	SS61-SB58-20	SS61-SB58	08-Dec-2008	0915	18 - 20	N	01	SO	5	X	X	X					2
5	SS61-SB58-25	SS61-SB58	08-Dec-2008	0930	23 - 25	N	01	SO	5	X	X	X					2
6	SS61-SB58-35	SS61-SB58	08-Dec-2008	0945	34 - 35	N	01	SO	5	X	X	X					2
7	Trip Blank				-	WQ		TB	3	X							2
					-												
					-												
					-												
					-												

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1.		12/8/08	1400			
2.					12-9-08	09:30
3.						

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: Shipped No.:

Method of Shipment: Airbill Number:

Analytical Lab: Accutest Laboratories Delivery Location:

Lab Recipient: Delivery Date/Time:

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

2 of 4

F62066: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F62066 CLIENT: Bhate PROJECT: SS-61

DATE/TIME RECEIVED: 12/9/08 09:30 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.4

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8693 0096 6690

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [X] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 24

NUMBER OF 5035 FIELD KITS ? TB

NUMBER OF LAB FILTERED METALS ? 8

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE: ET 12.9.08 TECHNICIAN SIGNATURE/DATE: JC 12-9-08

ASBD 12/17/07

F62066: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F62066
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2075-MB	G0054966.D	1	12/18/08	MM	n/a	n/a	VG2075

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62066-1, F62066-2, F62066-3, F62066-4, F62066-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F62066
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2075-MB	G0054966.D	1	12/18/08	MM	n/a	n/a	VG2075

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62066-1, F62066-2, F62066-3, F62066-4, F62066-5

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F62066
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2075-MB	G0054966.D	1	12/18/08	MM	n/a	n/a	VG2075

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62066-1, F62066-2, F62066-3, F62066-4, F62066-5

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	104%	80-121%
2037-26-5	Toluene-D8	91%	71-130%
460-00-4	4-Bromofluorobenzene	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	109%	77-123%

Method Blank Summary

Job Number: F62066
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2076-MB	G0055010.D	1	12/19/08	MM	n/a	n/a	VG2076

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62066-2, F62066-6, F62066-7

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F62066
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2076-MB	G0055010.D	1	12/19/08	MM	n/a	n/a	VG2076

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62066-2, F62066-6, F62066-7

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F62066
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2076-MB	G0055010.D	1	12/19/08	MM	n/a	n/a	VG2076

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62066-2, F62066-6, F62066-7

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	103%	80-121%
2037-26-5	Toluene-D8	93%	71-130%
460-00-4	4-Bromofluorobenzene	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	104%	77-123%

Method Blank Summary

Job Number: F62066
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF829-MB	F032894.D	1	12/23/08	SH	n/a	n/a	VF829

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62066-7

CAS No.	Compound	Result	RL	MDL	Units	Q

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	80-121%
2037-26-5	Toluene-D8	103%	71-130%
460-00-4	4-Bromofluorobenzene	104%	59-148%
17060-07-0	1,2-Dichloroethane-D4	96%	77-123%

Blank Spike Summary

Job Number: F62066
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2075-BS	G0054965.D	1	12/18/08	MM	n/a	n/a	VG2075

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62066-1, F62066-2, F62066-3, F62066-4, F62066-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	110	44*	61-144
75-05-8	Acetonitrile	500	455	91	59-139
107-02-8	Acrolein	250	59.5	24*	27-156
107-13-1	Acrylonitrile	250	237	95	55-144
107-05-1	Allyl chloride	50	35.8	72	41-152
71-43-2	Benzene	50	50.0	100	78-130
100-44-7	Benzyl Chloride	50	38.1	76	74-130
108-86-1	Bromobenzene	50	49.8	100	78-123
74-97-5	Bromochloromethane	50	41.3	83	72-122
75-27-4	Bromodichloromethane	50	47.6	95	73-122
75-25-2	Bromoform	50	43.2	86	70-139
104-51-8	n-Butylbenzene	50	51.4	103	80-138
135-98-8	sec-Butylbenzene	50	51.9	104	82-132
98-06-6	tert-Butylbenzene	50	53.0	106	79-130
108-90-7	Chlorobenzene	50	49.7	99	83-122
75-00-3	Chloroethane	50	42.2	84	61-153
67-66-3	Chloroform	50	51.2	102	79-129
544-10-5	1-Chlorohexane	50	53.1	106	85-137
95-49-8	o-Chlorotoluene	50	50.7	101	77-123
106-43-4	p-Chlorotoluene	50	51.1	102	78-129
110-75-8	2-Chloroethyl vinyl ether	250	275	110	52-142
75-15-0	Carbon disulfide	50	42.2	84	61-142
56-23-5	Carbon tetrachloride	50	48.6	97	79-135
75-34-3	1,1-Dichloroethane	50	51.8	104	77-132
75-35-4	1,1-Dichloroethylene	50	50.1	100	66-132
563-58-6	1,1-Dichloropropene	50	49.4	99	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	39.7	79	67-129
106-93-4	1,2-Dibromoethane	50	43.7	87	77-126
107-06-2	1,2-Dichloroethane	50	44.9	90	78-129
78-87-5	1,2-Dichloropropane	50	47.3	95	74-127
142-28-9	1,3-Dichloropropane	50	44.9	90	78-118
594-20-7	2,2-Dichloropropane	50	47.2	94	80-137
124-48-1	Dibromochloromethane	50	46.4	93	78-117
75-71-8	Dichlorodifluoromethane	50	30.7	61	35-162
156-59-2	cis-1,2-Dichloroethylene	50	46.8	94	74-123
10061-01-5	cis-1,3-Dichloropropene	50	49.9	100	79-130

Blank Spike Summary

Job Number: F62066
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2075-BS	G0054965.D	1	12/18/08	MM	n/a	n/a	VG2075

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62066-1, F62066-2, F62066-3, F62066-4, F62066-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	43.5	87	71-126
541-73-1	m-Dichlorobenzene	50	52.3	105	82-126
95-50-1	o-Dichlorobenzene	50	50.3	101	83-123
106-46-7	p-Dichlorobenzene	50	51.4	103	84-124
156-60-5	trans-1,2-Dichloroethylene	50	49.5	99	77-129
10061-02-6	trans-1,3-Dichloropropene	50	49.9	100	87-131
100-41-4	Ethylbenzene	50	49.9	100	82-124
97-63-2	Ethyl methacrylate	50	42.0	84	78-118
76-13-1	Freon 113	50	45.4	91	62-147
591-78-6	2-Hexanone	250	170	68	67-130
87-68-3	Hexachlorobutadiene	50	62.2	124	77-150
110-54-3	Hexane	50	49.2	98	65-147
98-82-8	Isopropylbenzene	50	51.5	103	82-133
99-87-6	p-Isopropyltoluene	50	51.4	103	82-132
108-10-1	4-Methyl-2-pentanone	250	194	78	69-125
126-98-7	Methacrylonitrile	500	490	98	70-138
74-83-9	Methyl bromide	50	43.5	87	60-146
74-87-3	Methyl chloride	50	43.5	87	58-163
74-88-4	Methyl iodide	50	38.9	78	66-128
80-62-6	Methyl methacrylate	50	43.4	87	73-125
74-95-3	Methylene bromide	50	45.8	92	75-128
75-09-2	Methylene chloride	50	56.6	113	62-140
78-93-3	Methyl ethyl ketone	250	150	60*	66-134
1634-04-4	Methyl Tert Butyl Ether	50	42.5	85	70-131
91-20-3	Naphthalene	50	44.5	89	59-143
76-01-7	Pentachloroethane	50	51.3	103	64-156
107-12-0	Propionitrile	500	367	73	73-133
103-65-1	n-Propylbenzene	50	52.8	106	78-129
100-42-5	Styrene	50	49.7	99	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	47.9	96	81-121
71-55-6	1,1,1-Trichloroethane	50	48.1	96	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	42.6	85	70-128
79-00-5	1,1,2-Trichloroethane	50	43.8	88	76-118
87-61-6	1,2,3-Trichlorobenzene	50	48.5	97	78-136
96-18-4	1,2,3-Trichloropropane	50	38.6	77	74-125
120-82-1	1,2,4-Trichlorobenzene	50	50.7	101	82-137

Blank Spike Summary

Job Number: F62066
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2075-BS	G0054965.D	1	12/18/08	MM	n/a	n/a	VG2075

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62066-1, F62066-2, F62066-3, F62066-4, F62066-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	52.1	104	77-129
108-67-8	1,3,5-Trimethylbenzene	50	53.3	107	79-129
127-18-4	Tetrachloroethylene	50	53.8	108	79-132
108-88-3	Toluene	50	49.2	98	80-123
79-01-6	Trichloroethylene	50	48.4	97	78-132
75-69-4	Trichlorofluoromethane	50	43.3	87	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	86.2	172*	74-138
75-01-4	Vinyl chloride	50	39.8	80	60-145
108-05-4	Vinyl Acetate	250	177	71	25-164
	m,p-Xylene	100	102	102	82-128
95-47-6	o-Xylene	50	49.3	99	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	95%	80-121%
2037-26-5	Toluene-D8	99%	71-130%
460-00-4	4-Bromofluorobenzene	100%	59-148%
17060-07-0	1,2-Dichloroethane-D4	89%	77-123%

Blank Spike Summary

Job Number: F62066
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2076-BS	G0055009.D	1	12/19/08	MM	n/a	n/a	VG2076

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62066-2, F62066-6, F62066-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	120	48*	61-144
75-05-8	Acetonitrile	500	453	91	59-139
107-02-8	Acrolein	250	68.6	27	27-156
107-13-1	Acrylonitrile	250	215	86	55-144
107-05-1	Allyl chloride	50	57.9	116	41-152
71-43-2	Benzene	50	53.9	108	78-130
100-44-7	Benzyl Chloride	50	41.5	83	74-130
108-86-1	Bromobenzene	50	53.4	107	78-123
74-97-5	Bromochloromethane	50	47.1	94	72-122
75-27-4	Bromodichloromethane	50	49.0	98	73-122
75-25-2	Bromoform	50	32.3	65*	70-139
104-51-8	n-Butylbenzene	50	53.3	107	80-138
135-98-8	sec-Butylbenzene	50	55.3	111	82-132
98-06-6	tert-Butylbenzene	50	55.1	110	79-130
108-90-7	Chlorobenzene	50	52.2	104	83-122
75-00-3	Chloroethane	50	43.4	87	61-153
67-66-3	Chloroform	50	55.7	111	79-129
544-10-5	1-Chlorohexane	50	51.3	103	85-137
95-49-8	o-Chlorotoluene	50	54.7	109	77-123
106-43-4	p-Chlorotoluene	50	54.1	108	78-129
110-75-8	2-Chloroethyl vinyl ether	250	245	98	52-142
75-15-0	Carbon disulfide	50	45.5	91	61-142
56-23-5	Carbon tetrachloride	50	51.5	103	79-135
75-34-3	1,1-Dichloroethane	50	55.6	111	77-132
75-35-4	1,1-Dichloroethylene	50	51.8	104	66-132
563-58-6	1,1-Dichloropropene	50	50.6	101	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	35.0	70	67-129
106-93-4	1,2-Dibromoethane	50	41.6	83	77-126
107-06-2	1,2-Dichloroethane	50	46.0	92	78-129
78-87-5	1,2-Dichloropropane	50	49.3	99	74-127
142-28-9	1,3-Dichloropropane	50	42.4	85	78-118
594-20-7	2,2-Dichloropropane	50	47.9	96	80-137
124-48-1	Dibromochloromethane	50	45.0	90	78-117
75-71-8	Dichlorodifluoromethane	50	23.5	47	35-162
156-59-2	cis-1,2-Dichloroethylene	50	49.6	99	74-123
10061-01-5	cis-1,3-Dichloropropene	50	50.6	101	79-130

Blank Spike Summary

Job Number: F62066
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2076-BS	G0055009.D	1	12/19/08	MM	n/a	n/a	VG2076

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62066-2, F62066-6, F62066-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	41.4	83	71-126
541-73-1	m-Dichlorobenzene	50	56.3	113	82-126
95-50-1	o-Dichlorobenzene	50	50.8	102	83-123
106-46-7	p-Dichlorobenzene	50	52.7	105	84-124
156-60-5	trans-1,2-Dichloroethylene	50	52.6	105	77-129
10061-02-6	trans-1,3-Dichloropropene	50	48.1	96	87-131
100-41-4	Ethylbenzene	50	52.2	104	82-124
97-63-2	Ethyl methacrylate	50	37.4	75*	78-118
76-13-1	Freon 113	50	50.4	101	62-147
591-78-6	2-Hexanone	250	152	61*	67-130
87-68-3	Hexachlorobutadiene	50	70.6	141	77-150
110-54-3	Hexane	50	58.0	116	65-147
98-82-8	Isopropylbenzene	50	52.0	104	82-133
99-87-6	p-Isopropyltoluene	50	56.2	112	82-132
108-10-1	4-Methyl-2-pentanone	250	173	69	69-125
126-98-7	Methacrylonitrile	500	473	95	70-138
74-83-9	Methyl bromide	50	49.4	99	60-146
74-87-3	Methyl chloride	50	42.9	86	58-163
74-88-4	Methyl iodide	50	44.5	89	66-128
80-62-6	Methyl methacrylate	50	38.6	77	73-125
74-95-3	Methylene bromide	50	45.5	91	75-128
75-09-2	Methylene chloride	50	51.4	103	62-140
78-93-3	Methyl ethyl ketone	250	152	61*	66-134
1634-04-4	Methyl Tert Butyl Ether	50	41.5	83	70-131
91-20-3	Naphthalene	50	38.7	77	59-143
76-01-7	Pentachloroethane	50	59.4	119	64-156
107-12-0	Propionitrile	500	353	71*	73-133
103-65-1	n-Propylbenzene	50	54.4	109	78-129
100-42-5	Styrene	50	49.4	99	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	50.8	102	81-121
71-55-6	1,1,1-Trichloroethane	50	50.3	101	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	38.8	78	70-128
79-00-5	1,1,2-Trichloroethane	50	43.0	86	76-118
87-61-6	1,2,3-Trichlorobenzene	50	46.0	92	78-136
96-18-4	1,2,3-Trichloropropane	50	40.0	80	74-125
120-82-1	1,2,4-Trichlorobenzene	50	51.8	104	82-137

Blank Spike Summary

Job Number: F62066
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2076-BS	G0055009.D	1	12/19/08	MM	n/a	n/a	VG2076

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62066-2, F62066-6, F62066-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	55.1	110	77-129
108-67-8	1,3,5-Trimethylbenzene	50	57.0	114	79-129
127-18-4	Tetrachloroethylene	50	53.5	107	79-132
108-88-3	Toluene	50	51.1	102	80-123
79-01-6	Trichloroethylene	50	52.8	106	78-132
75-69-4	Trichlorofluoromethane	50	44.8	90	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	80.0	160*	74-138
75-01-4	Vinyl chloride	50	39.2	78	60-145
108-05-4	Vinyl Acetate	250	181	72	25-164
	m,p-Xylene	100	108	108	82-128
95-47-6	o-Xylene	50	51.0	102	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	80-121%
2037-26-5	Toluene-D8	96%	71-130%
460-00-4	4-Bromofluorobenzene	100%	59-148%
17060-07-0	1,2-Dichloroethane-D4	89%	77-123%

Blank Spike Summary

Job Number: F62066
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF829-BS	F032893.D	1	12/23/08	SH	n/a	n/a	VF829

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62066-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	80-121%
2037-26-5	Toluene-D8	103%	71-130%
460-00-4	4-Bromofluorobenzene	105%	59-148%
17060-07-0	1,2-Dichloroethane-D4	94%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62066
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62062-1MS	G0054968.D	1	12/18/08	MM	n/a	n/a	VG2075
F62062-1MSD	G0054969.D	1	12/18/08	MM	n/a	n/a	VG2075
F62062-1	G0054967.D	1	12/18/08	MM	n/a	n/a	VG2075

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62066-1, F62066-2, F62066-3, F62066-4, F62066-5

CAS No.	Compound	F62062-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		285	125	44*	109	39*	14	61-144/29
75-05-8	Acetonitrile	ND		569	598	105	503	90	17	59-139/30
107-02-8	Acrolein	ND		285	ND	0*	ND	0*	nc	27-156/39
107-13-1	Acrylonitrile	ND		285	259	91	239	85	8	55-144/24
107-05-1	Allyl chloride	ND		56.9	36.6	64	31.9	57	14	41-152/24
71-43-2	Benzene	ND		56.9	53.3	94	50.9	91	5	78-130/25
100-44-7	Benzyl Chloride	ND		56.9	40.7	71*	33.6	60*	19	74-130/28
108-86-1	Bromobenzene	ND		56.9	52.0	91	49.3	88	5	78-123/30
74-97-5	Bromochloromethane	ND		56.9	48.0	84	47.0	84	2	72-122/23
75-27-4	Bromodichloromethane	ND		56.9	51.5	90	48.2	86	7	73-122/25
75-25-2	Bromoform	ND		56.9	48.7	86	44.7	80	9	70-139/26
104-51-8	n-Butylbenzene	ND		56.9	50.2	88	48.5	87	3	80-138/31
135-98-8	sec-Butylbenzene	ND		56.9	52.8	93	50.3	90	5	82-132/29
98-06-6	tert-Butylbenzene	ND		56.9	52.6	92	49.4	88	6	79-130/29
108-90-7	Chlorobenzene	ND		56.9	50.9	89	49.2	88	3	83-122/23
75-00-3	Chloroethane	ND		56.9	43.1	76	41.3	74	4	61-153/31
67-66-3	Chloroform	ND		56.9	55.4	97	52.1	93	6	79-129/27
544-10-5	1-Chlorohexane	ND		56.9	52.5	92	51.0	91	3	85-137/29
95-49-8	o-Chlorotoluene	ND		56.9	50.9	89	49.1	88	4	77-123/31
106-43-4	p-Chlorotoluene	ND		56.9	51.4	90	49.4	88	4	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		285	328	115	300	107	9	52-142/25
75-15-0	Carbon disulfide	ND		56.9	43.0	76	41.9	75	3	61-142/27
56-23-5	Carbon tetrachloride	ND		56.9	52.0	91	49.4	88	5	79-135/29
75-34-3	1,1-Dichloroethane	ND		56.9	54.9	96	52.5	94	4	77-132/26
75-35-4	1,1-Dichloroethylene	ND		56.9	52.6	92	52.1	93	1	66-132/27
563-58-6	1,1-Dichloropropene	ND		56.9	53.5	94	51.0	91	5	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		56.9	42.7	75	43.2	77	1	67-129/29
106-93-4	1,2-Dibromoethane	ND		56.9	47.5	83	44.5	80	7	77-126/24
107-06-2	1,2-Dichloroethane	ND		56.9	51.1	90	47.8	85	7	78-129/24
78-87-5	1,2-Dichloropropane	ND		56.9	52.7	93	49.1	88	7	74-127/27
142-28-9	1,3-Dichloropropane	ND		56.9	47.6	84	45.9	82	4	78-118/26
594-20-7	2,2-Dichloropropane	ND		56.9	47.5	83	44.8	80	6	80-137/28
124-48-1	Dibromochloromethane	ND		56.9	49.8	87	47.4	85	5	78-117/27
75-71-8	Dichlorodifluoromethane	ND		56.9	30.3	53	28.0	50	8	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		56.9	51.1	90	48.0	86	6	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		56.9	53.5	94	49.7	89	7	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62066
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62062-1MS	G0054968.D	1	12/18/08	MM	n/a	n/a	VG2075
F62062-1MSD	G0054969.D	1	12/18/08	MM	n/a	n/a	VG2075
F62062-1	G0054967.D	1	12/18/08	MM	n/a	n/a	VG2075

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62066-1, F62066-2, F62066-3, F62066-4, F62066-5

CAS No.	Compound	F62062-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		56.9	51.4	90	47.8	85	7	71-126/28
541-73-1	m-Dichlorobenzene	ND		56.9	54.5	96	51.4	92	6	82-126/29
95-50-1	o-Dichlorobenzene	ND		56.9	52.3	92	49.3	88	6	83-123/28
106-46-7	p-Dichlorobenzene	ND		56.9	52.6	92	50.8	91	3	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		56.9	52.2	92	51.9	93	1	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		56.9	52.7	93	51.3	92	3	87-131/27
100-41-4	Ethylbenzene	ND		56.9	50.8	89	49.2	88	3	82-124/25
97-63-2	Ethyl methacrylate	ND		56.9	24.2	42*	21.9	39*	10	78-118/30
76-13-1	Freon 113	ND		56.9	48.8	86	46.5	83	5	62-147/29
591-78-6	2-Hexanone	ND		285	193	68	174	62*	10	67-130/29
87-68-3	Hexachlorobutadiene	ND		56.9	58.7	103	57.8	103	2	77-150/36
110-54-3	Hexane	ND		56.9	50.3	88	47.9	86	5	65-147/27
98-82-8	Isopropylbenzene	ND		56.9	51.0	90	49.3	88	3	82-133/27
99-87-6	p-Isopropyltoluene	ND		56.9	51.6	91	49.9	89	3	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		285	239	84	213	76	12	69-125/24
126-98-7	Methacrylonitrile	ND		569	610	107	560	100	9	70-138/22
74-83-9	Methyl bromide	ND		56.9	45.8	80	42.9	77	7	60-146/31
74-87-3	Methyl chloride	ND		56.9	43.2	76	40.5	72	6	58-163/26
74-88-4	Methyl iodide	ND		56.9	41.1	72	40.5	72	1	66-128/27
80-62-6	Methyl methacrylate	ND		56.9	63.0	111	57.3	102	9	73-125/24
74-95-3	Methylene bromide	ND		56.9	50.5	89	49.0	88	3	75-128/26
75-09-2	Methylene chloride	15.8		56.9	73.5	101	73.6	103	0	62-140/25
78-93-3	Methyl ethyl ketone	ND		285	172	60*	153	55*	12	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		56.9	48.6	85	45.2	81	7	70-131/25
91-20-3	Naphthalene	ND		56.9	51.0	90	45.7	82	11	59-143/31
76-01-7	Pentachloroethane	ND		56.9	56.8	100	52.3	94	8	64-156/37
107-12-0	Propionitrile	ND		569	476	84	428	77	11	73-133/23
103-65-1	n-Propylbenzene	ND		56.9	51.0	90	49.4	88	3	78-129/29
100-42-5	Styrene	ND		56.9	50.9	89	50.2	90	1	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		56.9	50.8	89	46.5	83	9	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		56.9	53.5	94	50.2	90	6	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		56.9	50.4	89	44.7	80	12	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		56.9	48.4	85	44.1	79	9	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		56.9	48.9	86	46.9	84	4	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		56.9	44.9	79	41.4	74	8	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		56.9	52.2	92	49.5	89	5	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62066
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62062-1MS	G0054968.D	1	12/18/08	MM	n/a	n/a	VG2075
F62062-1MSD	G0054969.D	1	12/18/08	MM	n/a	n/a	VG2075
F62062-1	G0054967.D	1	12/18/08	MM	n/a	n/a	VG2075

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62066-1, F62066-2, F62066-3, F62066-4, F62066-5

CAS No.	Compound	F62062-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		56.9	53.2	93	50.9	91	4	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		56.9	53.6	94	52.3	94	2	79-129/31
127-18-4	Tetrachloroethylene	ND		56.9	55.0	97	53.5	96	3	79-132/27
108-88-3	Toluene	ND		56.9	50.4	89	48.8	87	3	80-123/26
79-01-6	Trichloroethylene	ND		56.9	52.6	92	49.4	88	6	78-132/28
75-69-4	Trichlorofluoromethane	ND		56.9	45.6	80	44.7	80	2	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		56.9	97.4	171*	90.2	161*	8	74-138/30
75-01-4	Vinyl chloride	ND		56.9	41.1	72	39.8	71	3	60-145/29
108-05-4	Vinyl Acetate	ND		285	66.7	23*	56.8	20*	16	25-164/35
	m,p-Xylene	ND		114	105	92	102	91	3	82-128/25
95-47-6	o-Xylene	ND		56.9	50.9	89	49.1	88	4	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F62062-1	Limits
1868-53-7	Dibromofluoromethane	102%	103%	106%	80-121%
2037-26-5	Toluene-D8	95%	97%	95%	71-130%
460-00-4	4-Bromofluorobenzene	101%	99%	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	105%	96%	109%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62066
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62255-1MS	G0055018.D	1	12/19/08	MM	n/a	n/a	VG2076
F62255-1MSD	G0055019.D	1	12/19/08	MM	n/a	n/a	VG2076
F62255-1	G0055017.D	1	12/19/08	MM	n/a	n/a	VG2076

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62066-2, F62066-6, F62066-7

CAS No.	Compound	F62255-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	43 U		290	111	38*	118	41*	6	61-144/29
75-05-8	Acetonitrile	43 U		580	563	97	508	89	10	59-139/30
107-02-8	Acrolein	22 U		290	22.8	8*	ND	0*	200*	27-156/39
107-13-1	Acrylonitrile	22 U		290	261	90	225	79	15	55-144/24
107-05-1	Allyl chloride	22 U		58	37.0	64	30.4	53	20	41-152/24
71-43-2	Benzene	4.3 U		58	60.0	103	56.2	98	7	78-130/25
100-44-7	Benzyl Chloride	4.3 U		58	36.9	64*	29.8	52*	21	74-130/28
108-86-1	Bromobenzene	4.3 U		58	56.6	98	47.4	83	18	78-123/30
74-97-5	Bromochloromethane	4.3 U		58	53.7	93	50.7	89	6	72-122/23
75-27-4	Bromodichloromethane	4.3 U		58	59.8	103	53.4	93	11	73-122/25
75-25-2	Bromoform	4.3 U		58	51.8	89	46.4	81	11	70-139/26
104-51-8	n-Butylbenzene	4.3 U		58	49.8	86	39.2	68*	24	80-138/31
135-98-8	sec-Butylbenzene	4.3 U		58	54.8	94	44.2	77*	21	82-132/29
98-06-6	tert-Butylbenzene	4.3 U		58	55.3	95	44.4	78*	22	79-130/29
108-90-7	Chlorobenzene	4.3 U		58	57.4	99	49.9	87	14	83-122/23
75-00-3	Chloroethane	4.3 U		58	49.4	85	44.7	78	10	61-153/31
67-66-3	Chloroform	4.3 U		58	63.3	109	57.3	100	10	79-129/27
544-10-5	1-Chlorohexane	4.3 U		58	54.3	94	46.8	82*	15	85-137/29
95-49-8	o-Chlorotoluene	4.3 U		58	55.9	96	47.5	83	16	77-123/31
106-43-4	p-Chlorotoluene	4.3 U		58	54.6	94	45.5	79	18	78-129/29
110-75-8	2-Chloroethyl vinyl ether	22 U		290	324	112	294	103	10	52-142/25
75-15-0	Carbon disulfide	4.3 U		58	52.9	91	46.1	81	14	61-142/27
56-23-5	Carbon tetrachloride	4.3 U		58	58.3	100	53.5	93	9	79-135/29
75-34-3	1,1-Dichloroethane	4.3 U		58	62.4	108	57.2	100	9	77-132/26
75-35-4	1,1-Dichloroethylene	4.3 U		58	62.5	108	54.4	95	14	66-132/27
563-58-6	1,1-Dichloropropene	4.3 U		58	59.2	102	52.6	92	12	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	4.3 U		58	47.7	82	41.4	72	14	67-129/29
106-93-4	1,2-Dibromoethane	4.3 U		58	54.0	93	47.0	82	14	77-126/24
107-06-2	1,2-Dichloroethane	4.3 U		58	57.1	98	50.7	89	12	78-129/24
78-87-5	1,2-Dichloropropane	4.3 U		58	56.1	97	52.1	91	7	74-127/27
142-28-9	1,3-Dichloropropane	4.3 U		58	51.8	89	47.2	82	9	78-118/26
594-20-7	2,2-Dichloropropane	4.3 U		58	46.1	79*	43.9	77*	5	80-137/28
124-48-1	Dibromochloromethane	4.3 U		58	55.7	96	49.8	87	11	78-117/27
75-71-8	Dichlorodifluoromethane	4.3 U		58	25.4	44	28.2	49	10	35-162/30
156-59-2	cis-1,2-Dichloroethylene	68.2		58	60.9	-13*	52.0	-28*	16	74-123/26
10061-01-5	cis-1,3-Dichloropropene	4.3 U		58	56.4	97	50.9	89	10	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62066
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62255-1MS	G0055018.D	1	12/19/08	MM	n/a	n/a	VG2076
F62255-1MSD	G0055019.D	1	12/19/08	MM	n/a	n/a	VG2076
F62255-1	G0055017.D	1	12/19/08	MM	n/a	n/a	VG2076

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62066-2, F62066-6, F62066-7

CAS No.	Compound	F62255-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	22 U		58	53.2	92	43.5	76	20	71-126/28
541-73-1	m-Dichlorobenzene	4.3 U		58	54.5	94	45.7	80*	18	82-126/29
95-50-1	o-Dichlorobenzene	4.3 U		58	52.5	90	44.9	78*	16	83-123/28
106-46-7	p-Dichlorobenzene	4.3 U		58	53.5	92	46.8	82*	13	84-124/28
156-60-5	trans-1,2-Dichloroethylene	4.3 U		58	59.0	102	53.1	93	11	77-129/27
10061-02-6	trans-1,3-Dichloropropene	4.3 U		58	57.4	99	51.6	90	11	87-131/27
100-41-4	Ethylbenzene	4.3 U		58	57.7	99	49.2	86	16	82-124/25
97-63-2	Ethyl methacrylate	22 U		58	16.2	28*	12.1	21*	29	78-118/30
76-13-1	Freon 113	4.3 U		58	58.2	100	51.2	89	13	62-147/29
591-78-6	2-Hexanone	22 U		290	199	69	175	61*	13	67-130/29
87-68-3	Hexachlorobutadiene	4.3 U		58	56.0	97	42.6	74*	27	77-150/36
110-54-3	Hexane	4.3 U		58	53.2	92	45.4	79	16	65-147/27
98-82-8	Isopropylbenzene	4.3 U		58	56.7	98	48.6	85	15	82-133/27
99-87-6	p-Isopropyltoluene	4.3 U		58	55.9	96	44.5	78*	23	82-132/29
108-10-1	4-Methyl-2-pentanone	22 U		290	245	84	216	75	13	69-125/24
126-98-7	Methacrylonitrile	22 U		580	616	106	570	100	8	70-138/22
74-83-9	Methyl bromide	4.3 U		58	54.5	94	47.4	83	14	60-146/31
74-87-3	Methyl chloride	4.3 U		58	35.5	61	42.6	74	18	58-163/26
74-88-4	Methyl iodide	8.6 U		58	49.6	85	42.5	74	15	66-128/27
80-62-6	Methyl methacrylate	22 U		58	99.9	172*	64.5	113	43*	73-125/24
74-95-3	Methylene bromide	4.3 U		58	56.2	97	52.3	91	7	75-128/26
75-09-2	Methylene chloride	4.3	J	58	87.1	143*	69.5	114	22	62-140/25
78-93-3	Methyl ethyl ketone	22 U		290	169	58*	149	52*	13	66-134/23
1634-04-4	Methyl Tert Butyl Ether	4.3 U		58	52.9	91	47.4	83	11	70-131/25
91-20-3	Naphthalene	4.3 U		58	43.1	74	36.2	63	17	59-143/31
76-01-7	Pentachloroethane	22 U		58	57.8	100	45.4	79	24	64-156/37
107-12-0	Propionitrile	43 U		580	475	82	450	79	5	73-133/23
103-65-1	n-Propylbenzene	4.3 U		58	56.4	97	45.8	80	21	78-129/29
100-42-5	Styrene	4.3 U		58	55.3	95	46.8	82	17	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	4.3 U		58	58.8	101	50.2	88	16	81-121/25
71-55-6	1,1,1-Trichloroethane	4.3 U		58	59.0	102	54.4	95	8	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	4.3 U		58	54.6	94	44.8	78	20	70-128/30
79-00-5	1,1,2-Trichloroethane	4.3 U		58	74.7	129*	52.7	92	35*	76-118/28
87-61-6	1,2,3-Trichlorobenzene	4.3 U		58	45.0	78	37.1	65*	19	78-136/34
96-18-4	1,2,3-Trichloropropane	4.3 U		58	50.6	87	43.6	76	15	74-125/30
120-82-1	1,2,4-Trichlorobenzene	4.3 U		58	50.0	86	38.0	66*	27	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62066
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62255-1MS	G0055018.D	1	12/19/08	MM	n/a	n/a	VG2076
F62255-1MSD	G0055019.D	1	12/19/08	MM	n/a	n/a	VG2076
F62255-1	G0055017.D	1	12/19/08	MM	n/a	n/a	VG2076

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62066-2, F62066-6, F62066-7

CAS No.	Compound	F62255-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	4.3 U		58	56.8	98	48.3	84	16	77-129/29
108-67-8	1,3,5-Trimethylbenzene	4.3 U		58	57.2	99	47.7	83	18	79-129/31
127-18-4	Tetrachloroethylene	35.8		58	75.5	68*	58.4	39*	26	79-132/27
108-88-3	Toluene	4.3 U		58	57.0	98	49.6	87	14	80-123/26
79-01-6	Trichloroethylene	33.2		58	67.2	59*	54.4	37*	21	78-132/28
75-69-4	Trichlorofluoromethane	4.3 U		58	52.2	90	46.5	81	12	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	22 U		58	103	178*	83.8	146*	21	74-138/30
75-01-4	Vinyl chloride	2.4	J	58	34.6	55*	40.6	67	16	60-145/29
108-05-4	Vinyl Acetate	22 U		290	23.1	8*	19.4	7*	17	25-164/35
	m,p-Xylene	8.6 U		116	116	100	101	88	14	82-128/25
95-47-6	o-Xylene	4.3 U		58	55.7	96	49.0	86	13	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F62255-1	Limits
1868-53-7	Dibromofluoromethane	103%	102%	106%	80-121%
2037-26-5	Toluene-D8	99%	96%	103%	71-130%
460-00-4	4-Bromofluorobenzene	102%	98%	103%	59-148%
17060-07-0	1,2-Dichloroethane-D4	97%	98%	109%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62066
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

	Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
(a)	F62128-1MS	F032901.D	1	12/23/08	SH	n/a	n/a	VF829
(a)	F62128-1MSD	F032902.D	1	12/23/08	SH	n/a	n/a	VF829
(a)	F62128-1	F032895.D	1	12/23/08	SH	n/a	n/a	VF829

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62066-7

CAS No.	Compound	F62128-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD

CAS No.	Surrogate Recoveries	MS	MSD	F62128-1	Limits
1868-53-7	Dibromofluoromethane	82%	85%	104%	80-121%
2037-26-5	Toluene-D8	115%	118%	120%	71-130%
460-00-4	4-Bromofluorobenzene	130%	144%	150%*	59-148%
17060-07-0	1,2-Dichloroethane-D4	71%*	73%*	98%	77-123%

(a) SAMPLE NOT YET APPROVED BY LAB. DO NOT REPORT.

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F62066
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1970-MB	QR045326.D	1	12/18/08	AH	n/a	n/a	GQR1970

The QC reported here applies to the following samples: **Method:** SW846 8015

F62066-1, F62066-3, F62066-4, F62066-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	90%	56-136%
98-08-8	aaa-Trifluorotoluene	79%	61-121%

Method Blank Summary

Job Number: F62066
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1972-MB	QR045392.D	1	12/19/08	AH	n/a	n/a	GQR1972

The QC reported here applies to the following samples: **Method:** SW846 8015

F62066-2, F62066-5

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	76%	56-136%
98-08-8	aaa-Trifluorotoluene	80%	61-121%

Blank Spike Summary

Job Number: F62066
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1970-BS	QR045325.D	1	12/18/08	AH	n/a	n/a	GQR1970

The QC reported here applies to the following samples: **Method:** SW846 8015

F62066-1, F62066-3, F62066-4, F62066-6

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	20.7	104	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	109%	56-136%
98-08-8	aaa-Trifluorotoluene	97%	61-121%

Blank Spike Summary

Job Number: F62066
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1972-BS	QR045391.D	1	12/19/08	AH	n/a	n/a	GQR1972

The QC reported here applies to the following samples: **Method:** SW846 8015

F62066-2, F62066-5

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	18.6	93	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	96%	56-136%
98-08-8	aaa-Trifluorotoluene	101%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62066
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62103-4MS	QR045348.D	1	12/18/08	AH	n/a	n/a	GQR1970
F62103-4MSD	QR045349.D	1	12/18/08	AH	n/a	n/a	GQR1970
F62103-4	QR045344.D	1	12/18/08	AH	n/a	n/a	GQR1970

The QC reported here applies to the following samples: **Method:** SW846 8015

F62066-1, F62066-3, F62066-4, F62066-6

CAS No.	Compound	F62103-4 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	26.6		28.2	47.0	72*	47.5	74	1	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F62103-4	Limits
460-00-4	4-Bromofluorobenzene	107%	112%	103%	56-136%
98-08-8	aaa-Trifluorotoluene	104%	109%	91%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62066
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62062-3MS	QR045416.D	1	12/20/08	AH	n/a	n/a	GQR1972
F62062-3MSD	QR045417.D	1	12/20/08	AH	n/a	n/a	GQR1972
F62062-3	QR045394.D	1	12/19/08	AH	n/a	n/a	GQR1972

The QC reported here applies to the following samples: **Method:** SW846 8015

F62066-2, F62066-5

CAS No.	Compound	F62062-3 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		22	20.7	94	20.7	94	0	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F62062-3	Limits
460-00-4	4-Bromofluorobenzene	93%	101%	74%	56-136%
98-08-8	aaa-Trifluorotoluene	100%	96%	80%	61-121%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F62066
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27416-MB	LL24604.D	1	12/18/08	NY	12/11/08	OP27416	GLL917

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62066-1, F62066-2, F62066-3, F62066-4, F62066-5, F62066-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	86%	49-108%

Blank Spike Summary

Job Number: F62066
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27416-BS	LL24603.D	1	12/18/08	NY	12/11/08	OP27416	GLL917

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62066-1, F62066-2, F62066-3, F62066-4, F62066-5, F62066-6

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	31.0	93	64-102
	TPH (> C22-C36)	33.3	37.1	111	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	91%	49-108%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62066
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27416-MS	LL24627.D	1	12/19/08	NY	12/11/08	OP27416	GLL917
OP27416-MSD	LL24628.D	1	12/19/08	NY	12/11/08	OP27416	GLL917
F62103-4	LL24626.D	1	12/19/08	NY	12/11/08	OP27416	GLL917

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62066-1, F62066-2, F62066-3, F62066-4, F62066-5, F62066-6

CAS No.	Compound	F62103-4 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		43	39.4	92	38.3	90	3	64-102/32
	TPH (> C22-C36)	ND		43	50.1	116	52.0	122	4	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F62103-4	Limits
84-15-1	o-Terphenyl	91%	92%	84%	49-108%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/29/08

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F62103

Sampling Dates: 12/08/08 - 12/09/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **68**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Sections: 1 2 3 4 5 6 7

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F62103-1: SS61-SB61-25 7
3.2: F62103-2: SS61-SB61-29 12
3.3: F62103-3: SS61-SB61-35 17
3.4: F62103-4: SS61-SB62-18 22
3.5: F62103-5: SS61-SB62-28 27
3.6: F62103-6: SS61-SB62-28-a 32
3.7: F62103-7: SS61-SB62-35 37
3.8: F62103-8: TRIP BLANK 42
Section 4: Misc. Forms **45**
4.1: Chain of Custody 46
Section 5: GC/MS Volatiles - QC Data Summaries **48**
5.1: Method Blank Summary 49
5.2: Blank Spike Summary 52
5.3: Matrix Spike/Matrix Spike Duplicate Summary 55
Section 6: GC Volatiles - QC Data Summaries **58**
6.1: Method Blank Summary 59
6.2: Blank Spike Summary 61
6.3: Matrix Spike/Matrix Spike Duplicate Summary 63
Section 7: GC Semi-volatiles - QC Data Summaries **65**
7.1: Method Blank Summary 66
7.2: Blank Spike Summary 67
7.3: Matrix Spike/Matrix Spike Duplicate Summary 68

Sample Summary

North Wind, Inc

Job No: F62103

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F62103-1	12/08/08	15:15	ZB	12/10/08	SO	Soil	SS61-SB61-25
F62103-2	12/08/08	15:30	ZB	12/10/08	SO	Soil	SS61-SB61-29
F62103-3	12/08/08	15:45	ZB	12/10/08	SO	Soil	SS61-SB61-35
F62103-4	12/09/08	07:45	ZB	12/10/08	SO	Soil	SS61-SB62-18
F62103-4D	12/09/08	07:45	ZB	12/10/08	SO	Soil Dup/MSD	SS61-SB62-18-MSD
F62103-4S	12/09/08	07:45	ZB	12/10/08	SO	Soil Matrix Spike	SS61-SB62-18-MS
F62103-5	12/09/08	08:00	ZB	12/10/08	SO	Soil	SS61-SB62-28
F62103-6	12/09/08	08:00	ZB	12/10/08	SO	Soil	SS61-SB62-28-a
F62103-7	12/09/08	08:15	ZB	12/10/08	SO	Soil	SS61-SB62-35
F62103-8	12/08/08	00:00	ZB	12/10/08	SO	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F62103

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/26/2008 2:20:38

7 Samples, 1 Trip Blank were collected on between 12/08/2008 and 12/09/2008 and received at Accutest on 12/10/2008 properly preserved, at 2.8 Deg. C and intact. These Samples received an Accutest job number of F62103. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2077

All samples were analyzed within the recommended method holding time.

Sample(s) F62103-4MS, F62103-4MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for 2,2-Dichloropropane, 2-Hexanone, Acetone, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for 2-Hexanone, Acetone, Acrolein, Benzyl Chloride, Ethyl methacrylate, Isopropylbenzene, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for Acetone, Acrolein, Ethyl methacrylate, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene are outside control limits. Probable cause due to matrix interference.

F62103-4 for Methylene chloride: Suspected laboratory contaminant.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GQR1970

All samples were analyzed within the recommended method holding time.

Sample(s) F62103-4MS, F62103-4MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Matrix Spike Recovery(s) for TPH-GRO (C6-C10) are outside control limits. Probable cause due to matrix interference.

Matrix: SO **Batch ID:** GQR1972

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F62062-3MS, F62062-3MSD were used as the QC samples indicated.

F62103-1: Sample was received in a bulk container but was not preserved within 48 hours of sampling.

F62103-7: Sample was received in a bulk container but was not preserved within 48 hours of sampling.

Extractables by GC By Method SW846 8015 M

Matrix: SO **Batch ID:** OP27416

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F62103-4MS, F62103-4MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

F62103-2 for TPH (C10-C22): Petroleum hydrocarbon pattern begins before C10.

Wet Chemistry By Method SM19 2540B M

Matrix: SO **Batch ID:** GN33137

Sample(s) F62103-1DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision,

accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____

Svetlana Izosimova, QAO (signature on file)

Date: December 26, 2008

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-SB61-25		
Lab Sample ID:	F62103-1	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0055038.D	1	12/20/08	MM	12/10/08 12:27	n/a	VG2077
Run #2							

	Initial Weight
Run #1	5.67 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	54	27	ug/kg	
75-05-8	Acetonitrile	ND	54	17	ug/kg	
107-02-8	Acrolein	ND	27	11	ug/kg	
107-13-1	Acrylonitrile	ND	27	7.5	ug/kg	
107-05-1	Allyl chloride	ND	27	5.4	ug/kg	
71-43-2	Benzene	ND	5.4	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.4	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.4	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.4	1.8	ug/kg	
75-27-4	Bromodichloromethane	ND	5.4	1.3	ug/kg	
75-25-2	Bromoform	ND	5.4	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	5.4	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.4	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.4	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.4	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.4	2.2	ug/kg	
67-66-3	Chloroform	ND	5.4	1.8	ug/kg	
544-10-5	1-Chlorohexane	ND	5.4	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.4	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.4	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	27	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.4	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.4	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.4	2.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.4	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.4	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.4	2.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.4	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	8.0	5.4	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.4	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.4	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.4	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB61-25		
Lab Sample ID:	F62103-1	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.4	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.4	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.4	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.4	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	27	5.4	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.4	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.4	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.4	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.4	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.4	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.4	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	27	5.4	ug/kg	
76-13-1	Freon 113	ND	5.4	2.8	ug/kg	
591-78-6	2-Hexanone	ND	27	5.4	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.4	1.3	ug/kg	
110-54-3	Hexane	ND	5.4	2.6	ug/kg	
98-82-8	Isopropylbenzene	ND	5.4	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.4	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	27	6.9	ug/kg	
126-98-7	Methacrylonitrile	ND	27	6.0	ug/kg	
74-83-9	Methyl bromide	ND	5.4	2.4	ug/kg	
74-87-3	Methyl chloride	ND	5.4	2.6	ug/kg	
74-88-4	Methyl iodide	ND	11	2.2	ug/kg	
80-62-6	Methyl methacrylate	ND	27	5.4	ug/kg	
74-95-3	Methylene bromide	ND	5.4	1.6	ug/kg	
75-09-2	Methylene chloride	ND	11	5.4	ug/kg	
78-93-3	Methyl ethyl ketone	ND	27	9.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.4	1.6	ug/kg	
91-20-3	Naphthalene	ND	5.4	2.2	ug/kg	
76-01-7	Pentachloroethane	ND	27	5.4	ug/kg	
107-12-0	Propionitrile	ND	54	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.4	1.3	ug/kg	
100-42-5	Styrene	ND	5.4	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.4	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.4	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.4	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.4	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.4	2.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.4	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.4	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB61-25		
Lab Sample ID:	F62103-1	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.4	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.4	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.4	1.3	ug/kg	
108-88-3	Toluene	ND	5.4	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.4	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.4	2.2	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	27	5.4	ug/kg	
75-01-4	Vinyl chloride	ND	5.4	2.2	ug/kg	
108-05-4	Vinyl Acetate	ND	27	13	ug/kg	
	m,p-Xylene	ND	11	2.1	ug/kg	
95-47-6	o-Xylene	ND	5.4	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		80-121%
2037-26-5	Toluene-D8	89%		71-130%
460-00-4	4-Bromofluorobenzene	95%		59-148%
17060-07-0	1,2-Dichloroethane-D4	114%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB61-25		
Lab Sample ID:	F62103-1	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	81.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	QR045403.D	1	12/19/08	AH	12/10/08 12:27	n/a	GQR1972
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.84 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.5	3.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	73%		56-136%
98-08-8	aaa-Trifluorotoluene	82%		61-121%

(a) Sample was received in a bulk container but was not preserved within 48 hours of sampling.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB61-25		
Lab Sample ID:	F62103-1	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	81.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24620.D	1	12/18/08	NY	12/11/08	OP27416	GLL917
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.1	mg/kg	
	TPH (> C22-C36)	ND	10	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	82%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB61-29		
Lab Sample ID:	F62103-2	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	75.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0055039.D	1	12/20/08	MM	12/10/08 12:27	n/a	VG2077
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.66 g	5.0 ml	100 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3700	1900	ug/kg	
75-05-8	Acetonitrile	ND	3700	1200	ug/kg	
107-02-8	Acrolein	ND	1900	730	ug/kg	
107-13-1	Acrylonitrile	ND	1900	520	ug/kg	
107-05-1	Allyl chloride	ND	1900	370	ug/kg	
71-43-2	Benzene	1380	370	75	ug/kg	
100-44-7	Benzyl Chloride	ND	370	82	ug/kg	
108-86-1	Bromobenzene	ND	370	75	ug/kg	
74-97-5	Bromochloromethane	ND	370	130	ug/kg	
75-27-4	Bromodichloromethane	ND	370	90	ug/kg	
75-25-2	Bromoform	ND	370	110	ug/kg	
104-51-8	n-Butylbenzene	ND	370	100	ug/kg	
135-98-8	sec-Butylbenzene	521	370	82	ug/kg	
98-06-6	tert-Butylbenzene	1070	370	82	ug/kg	
108-90-7	Chlorobenzene	ND	370	75	ug/kg	
75-00-3	Chloroethane	ND	370	150	ug/kg	
67-66-3	Chloroform	ND	370	130	ug/kg	
544-10-5	1-Chlorohexane	ND	370	97	ug/kg	
95-49-8	o-Chlorotoluene	ND	370	75	ug/kg	
106-43-4	p-Chlorotoluene	ND	370	75	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1900	750	ug/kg	
75-15-0	Carbon disulfide	ND	370	82	ug/kg	
56-23-5	Carbon tetrachloride	ND	370	100	ug/kg	
75-34-3	1,1-Dichloroethane	ND	370	150	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	370	97	ug/kg	
563-58-6	1,1-Dichloropropene	ND	370	100	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	370	180	ug/kg	
106-93-4	1,2-Dibromoethane	ND	370	75	ug/kg	
107-06-2	1,2-Dichloroethane	ND	370	82	ug/kg	
78-87-5	1,2-Dichloropropane	ND	370	100	ug/kg	
142-28-9	1,3-Dichloropropane	ND	370	75	ug/kg	
594-20-7	2,2-Dichloropropane	ND	370	160	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB61-29		
Lab Sample ID:	F62103-2	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	75.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	370	75	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	370	150	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	370	120	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	370	97	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	1900	370	ug/kg	
541-73-1	m-Dichlorobenzene	ND	370	75	ug/kg	
95-50-1	o-Dichlorobenzene	ND	370	75	ug/kg	
106-46-7	p-Dichlorobenzene	ND	370	75	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	370	90	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	370	75	ug/kg	
100-41-4	Ethylbenzene	ND	370	75	ug/kg	
97-63-2	Ethyl methacrylate	ND	1900	370	ug/kg	
76-13-1	Freon 113	ND	370	190	ug/kg	
591-78-6	2-Hexanone	ND	1900	370	ug/kg	
87-68-3	Hexachlorobutadiene	ND	370	90	ug/kg	
110-54-3	Hexane	ND	370	180	ug/kg	
98-82-8	Isopropylbenzene	310	370	82	ug/kg	J
99-87-6	p-Isopropyltoluene	ND	370	82	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1900	480	ug/kg	
126-98-7	Methacrylonitrile	ND	1900	410	ug/kg	
74-83-9	Methyl bromide	ND	370	160	ug/kg	
74-87-3	Methyl chloride	ND	370	180	ug/kg	
74-88-4	Methyl iodide	ND	750	150	ug/kg	
80-62-6	Methyl methacrylate	ND	1900	370	ug/kg	
74-95-3	Methylene bromide	ND	370	110	ug/kg	
75-09-2	Methylene chloride	ND	750	370	ug/kg	
78-93-3	Methyl ethyl ketone	ND	1900	620	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	370	110	ug/kg	
91-20-3	Naphthalene	ND	370	150	ug/kg	
76-01-7	Pentachloroethane	ND	1900	370	ug/kg	
107-12-0	Propionitrile	ND	3700	900	ug/kg	
103-65-1	n-Propylbenzene	ND	370	90	ug/kg	
100-42-5	Styrene	ND	370	75	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	370	75	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	370	82	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	370	130	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	370	75	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	370	150	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	370	140	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	370	150	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB61-29		
Lab Sample ID:	F62103-2	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	75.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	370	75	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	370	75	ug/kg	
127-18-4	Tetrachloroethylene	ND	370	90	ug/kg	
108-88-3	Toluene	ND	370	75	ug/kg	
79-01-6	Trichloroethylene	ND	370	90	ug/kg	
75-69-4	Trichlorofluoromethane	ND	370	150	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	1900	370	ug/kg	
75-01-4	Vinyl chloride	ND	370	150	ug/kg	
108-05-4	Vinyl Acetate	ND	1900	900	ug/kg	
	m,p-Xylene	ND	750	140	ug/kg	
95-47-6	o-Xylene	ND	370	75	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-121%
2037-26-5	Toluene-D8	92%		71-130%
460-00-4	4-Bromofluorobenzene	92%		59-148%
17060-07-0	1,2-Dichloroethane-D4	108%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB61-29		
Lab Sample ID:	F62103-2	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	75.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045404.D	10	12/19/08	AH	12/10/08 12:27	n/a	GQR1972
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.66 g	5.0 ml	25.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1690	300	150	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	99%		56-136%
98-08-8	aaa-Trifluorotoluene	106%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB61-29		
Lab Sample ID:	F62103-2	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	75.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24621.D	1	12/18/08	NY	12/11/08	OP27416	GLL917
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22) [a]	7.34	11	6.5	mg/kg	J
	TPH (> C22-C36)	7.24	11	6.5	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	79%		49-108%

(a) Petroleum hydrocarbon pattern begins before C10.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB61-35		
Lab Sample ID:	F62103-3	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	75.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0055040.D	1	12/20/08	MM	12/10/08 12:27	n/a	VG2077
Run #2							

	Initial Weight
Run #1	5.39 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	62	31	ug/kg	
75-05-8	Acetonitrile	ND	62	20	ug/kg	
107-02-8	Acrolein	ND	31	12	ug/kg	
107-13-1	Acrylonitrile	ND	31	8.5	ug/kg	
107-05-1	Allyl chloride	ND	31	6.2	ug/kg	
71-43-2	Benzene	32.5	6.2	1.2	ug/kg	
100-44-7	Benzyl Chloride	ND	6.2	1.4	ug/kg	
108-86-1	Bromobenzene	ND	6.2	1.2	ug/kg	
74-97-5	Bromochloromethane	ND	6.2	2.1	ug/kg	
75-27-4	Bromodichloromethane	ND	6.2	1.5	ug/kg	
75-25-2	Bromoform	ND	6.2	1.9	ug/kg	
104-51-8	n-Butylbenzene	ND	6.2	1.7	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.2	1.4	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.2	1.4	ug/kg	
108-90-7	Chlorobenzene	ND	6.2	1.2	ug/kg	
75-00-3	Chloroethane	ND	6.2	2.5	ug/kg	
67-66-3	Chloroform	ND	6.2	2.1	ug/kg	
544-10-5	1-Chlorohexane	ND	6.2	1.6	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.2	1.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.2	1.2	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	31	12	ug/kg	
75-15-0	Carbon disulfide	ND	6.2	1.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.2	1.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.2	2.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.2	1.6	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.2	1.7	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.2	3.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.2	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	11.7	6.2	1.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.2	1.7	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.2	1.2	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.2	2.6	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB61-35		
Lab Sample ID:	F62103-3	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	75.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	6.2	1.2	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.2	2.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.2	2.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.2	1.6	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	31	6.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.2	1.2	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.2	1.2	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.2	1.2	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.2	1.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.2	1.2	ug/kg	
100-41-4	Ethylbenzene	ND	6.2	1.2	ug/kg	
97-63-2	Ethyl methacrylate	ND	31	6.2	ug/kg	
76-13-1	Freon 113	ND	6.2	3.2	ug/kg	
591-78-6	2-Hexanone	ND	31	6.2	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.2	1.5	ug/kg	
110-54-3	Hexane	ND	6.2	3.0	ug/kg	
98-82-8	Isopropylbenzene	102	6.2	1.4	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.2	1.4	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	31	7.9	ug/kg	
126-98-7	Methacrylonitrile	ND	31	6.8	ug/kg	
74-83-9	Methyl bromide	ND	6.2	2.7	ug/kg	
74-87-3	Methyl chloride	ND	6.2	3.0	ug/kg	
74-88-4	Methyl iodide	ND	12	2.5	ug/kg	
80-62-6	Methyl methacrylate	ND	31	6.2	ug/kg	
74-95-3	Methylene bromide	ND	6.2	1.9	ug/kg	
75-09-2	Methylene chloride	ND	12	6.2	ug/kg	
78-93-3	Methyl ethyl ketone	ND	31	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.2	1.9	ug/kg	
91-20-3	Naphthalene	ND	6.2	2.5	ug/kg	
76-01-7	Pentachloroethane	ND	31	6.2	ug/kg	
107-12-0	Propionitrile	ND	62	15	ug/kg	
103-65-1	n-Propylbenzene	ND	6.2	1.5	ug/kg	
100-42-5	Styrene	ND	6.2	1.2	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.2	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.2	1.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.2	2.2	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.2	1.2	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.2	2.5	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.2	2.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.2	2.5	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB61-35		
Lab Sample ID:	F62103-3	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	75.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	6.2	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.2	1.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.2	1.5	ug/kg	
108-88-3	Toluene	ND	6.2	1.2	ug/kg	
79-01-6	Trichloroethylene	ND	6.2	1.5	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.2	2.5	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	31	6.2	ug/kg	
75-01-4	Vinyl chloride	ND	6.2	2.5	ug/kg	
108-05-4	Vinyl Acetate	ND	31	15	ug/kg	
	m,p-Xylene	ND	12	2.3	ug/kg	
95-47-6	o-Xylene	ND	6.2	1.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-121%
2037-26-5	Toluene-D8	91%		71-130%
460-00-4	4-Bromofluorobenzene	100%		59-148%
17060-07-0	1,2-Dichloroethane-D4	108%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB61-35		
Lab Sample ID:	F62103-3	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	75.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045405.D	1	12/20/08	AH	12/10/08 12:27	n/a	GQR1972
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.18 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	8.1	4.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	71%		56-136%
98-08-8	aaa-Trifluorotoluene	81%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB61-35		
Lab Sample ID:	F62103-3	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	75.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24625.D	1	12/19/08	NY	12/11/08	OP27416	GLL917
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	11	6.6	mg/kg	
	TPH (> C22-C36)	ND	11	6.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	81%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB62-18		
Lab Sample ID:	F62103-4	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	76.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0055035.D	1	12/20/08	MM	12/10/08 12:27	n/a	VG2077
Run #2							

	Initial Weight
Run #1	5.91 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	55	28	ug/kg	
75-05-8	Acetonitrile	ND	55	18	ug/kg	
107-02-8	Acrolein	ND	28	11	ug/kg	
107-13-1	Acrylonitrile	ND	28	7.6	ug/kg	
107-05-1	Allyl chloride	ND	28	5.5	ug/kg	
71-43-2	Benzene	ND	5.5	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.5	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.5	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.5	1.9	ug/kg	
75-27-4	Bromodichloromethane	ND	5.5	1.3	ug/kg	
75-25-2	Bromoform	ND	5.5	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	5.5	1.5	ug/kg	
135-98-8	sec-Butylbenzene	11.3	5.5	1.2	ug/kg	
98-06-6	tert-Butylbenzene	7.4	5.5	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.5	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.5	2.2	ug/kg	
67-66-3	Chloroform	ND	5.5	1.9	ug/kg	
544-10-5	1-Chlorohexane	ND	5.5	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.5	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.5	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	28	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.5	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.5	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.5	2.2	ug/kg	
75-35-4	1,1-Dichloroethylene	2.4	5.5	1.4	ug/kg	J
563-58-6	1,1-Dichloropropene	ND	5.5	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.5	2.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.5	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.5	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.5	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.5	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.5	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB62-18		
Lab Sample ID:	F62103-4	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	76.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.5	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.5	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.5	1.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.5	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	28	5.5	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.5	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.5	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.5	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.5	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.5	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.5	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	28	5.5	ug/kg	
76-13-1	Freon 113	ND	5.5	2.9	ug/kg	
591-78-6	2-Hexanone	ND	28	5.5	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.5	1.3	ug/kg	
110-54-3	Hexane	ND	5.5	2.6	ug/kg	
98-82-8	Isopropylbenzene	15.7	5.5	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.5	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	28	7.1	ug/kg	
126-98-7	Methacrylonitrile	ND	28	6.1	ug/kg	
74-83-9	Methyl bromide	ND	5.5	2.4	ug/kg	
74-87-3	Methyl chloride	ND	5.5	2.6	ug/kg	
74-88-4	Methyl iodide	ND	11	2.2	ug/kg	
80-62-6	Methyl methacrylate	ND	28	5.5	ug/kg	
74-95-3	Methylene bromide	ND	5.5	1.7	ug/kg	
75-09-2	Methylene chloride [a]	8.8	11	5.5	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	28	9.2	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.5	1.7	ug/kg	
91-20-3	Naphthalene	ND	5.5	2.2	ug/kg	
76-01-7	Pentachloroethane	ND	28	5.5	ug/kg	
107-12-0	Propionitrile	ND	55	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.5	1.3	ug/kg	
100-42-5	Styrene	ND	5.5	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.5	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.5	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.5	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.5	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.5	2.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.5	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.5	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB62-18		
Lab Sample ID:	F62103-4	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	76.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.5	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.5	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.5	1.3	ug/kg	
108-88-3	Toluene	ND	5.5	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.5	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.5	2.2	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	28	5.5	ug/kg	
75-01-4	Vinyl chloride	ND	5.5	2.2	ug/kg	
108-05-4	Vinyl Acetate	ND	28	13	ug/kg	
	m,p-Xylene	ND	11	2.1	ug/kg	
95-47-6	o-Xylene	ND	5.5	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		80-121%
2037-26-5	Toluene-D8	98%		71-130%
460-00-4	4-Bromofluorobenzene	96%		59-148%
17060-07-0	1,2-Dichloroethane-D4	111%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB62-18		
Lab Sample ID:	F62103-4	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	76.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045344.D	1	12/18/08	AH	12/10/08 12:27	n/a	GQR1970
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.88 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	26.6	7.1	3.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	103%		56-136%
98-08-8	aaa-Trifluorotoluene	91%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB62-18		
Lab Sample ID:	F62103-4	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	76.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24626.D	1	12/19/08	NY	12/11/08	OP27416	GLL917
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	11	6.4	mg/kg	
	TPH (> C22-C36)	ND	11	6.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	84%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB62-28		
Lab Sample ID:	F62103-5	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	73.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0055041.D	1	12/20/08	MM	12/10/08 13:13	n/a	VG2077
Run #2							

	Initial Weight
Run #1	5.33 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	64	32	ug/kg	
75-05-8	Acetonitrile	ND	64	20	ug/kg	
107-02-8	Acrolein	ND	32	12	ug/kg	
107-13-1	Acrylonitrile	ND	32	8.8	ug/kg	
107-05-1	Allyl chloride	ND	32	6.4	ug/kg	
71-43-2	Benzene	6.2	6.4	1.3	ug/kg	J
100-44-7	Benzyl Chloride	ND	6.4	1.4	ug/kg	
108-86-1	Bromobenzene	ND	6.4	1.3	ug/kg	
74-97-5	Bromochloromethane	ND	6.4	2.2	ug/kg	
75-27-4	Bromodichloromethane	ND	6.4	1.5	ug/kg	
75-25-2	Bromoform	ND	6.4	1.9	ug/kg	
104-51-8	n-Butylbenzene	ND	6.4	1.8	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.4	1.4	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.4	1.4	ug/kg	
108-90-7	Chlorobenzene	ND	6.4	1.3	ug/kg	
75-00-3	Chloroethane	ND	6.4	2.5	ug/kg	
67-66-3	Chloroform	ND	6.4	2.2	ug/kg	
544-10-5	1-Chlorohexane	ND	6.4	1.7	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.4	1.3	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.4	1.3	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	32	13	ug/kg	
75-15-0	Carbon disulfide	ND	6.4	1.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.4	1.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.4	2.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.4	1.7	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.4	1.8	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.4	3.1	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.4	1.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.4	1.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.4	1.8	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.4	1.3	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.4	2.7	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB62-28		
Lab Sample ID:	F62103-5	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	73.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	6.4	1.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.4	2.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.4	2.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.4	1.7	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	32	6.4	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.4	1.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.4	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.4	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.4	1.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.4	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	6.4	1.3	ug/kg	
97-63-2	Ethyl methacrylate	ND	32	6.4	ug/kg	
76-13-1	Freon 113	ND	6.4	3.3	ug/kg	
591-78-6	2-Hexanone	ND	32	6.4	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.4	1.5	ug/kg	
110-54-3	Hexane	ND	6.4	3.1	ug/kg	
98-82-8	Isopropylbenzene	8.6	6.4	1.4	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.4	1.4	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	32	8.1	ug/kg	
126-98-7	Methacrylonitrile	ND	32	7.0	ug/kg	
74-83-9	Methyl bromide	ND	6.4	2.8	ug/kg	
74-87-3	Methyl chloride	ND	6.4	3.1	ug/kg	
74-88-4	Methyl iodide	ND	13	2.5	ug/kg	
80-62-6	Methyl methacrylate	ND	32	6.4	ug/kg	
74-95-3	Methylene bromide	ND	6.4	1.9	ug/kg	
75-09-2	Methylene chloride	ND	13	6.4	ug/kg	
78-93-3	Methyl ethyl ketone	ND	32	11	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.4	1.9	ug/kg	
91-20-3	Naphthalene	ND	6.4	2.5	ug/kg	
76-01-7	Pentachloroethane	ND	32	6.4	ug/kg	
107-12-0	Propionitrile	ND	64	15	ug/kg	
103-65-1	n-Propylbenzene	ND	6.4	1.5	ug/kg	
100-42-5	Styrene	ND	6.4	1.3	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.4	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.4	1.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.4	2.3	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.4	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.4	2.5	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.4	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.4	2.5	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB62-28		
Lab Sample ID:	F62103-5	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	73.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	6.4	1.3	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.4	1.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.4	1.5	ug/kg	
108-88-3	Toluene	ND	6.4	1.3	ug/kg	
79-01-6	Trichloroethylene	ND	6.4	1.5	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.4	2.5	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	32	6.4	ug/kg	
75-01-4	Vinyl chloride	ND	6.4	2.5	ug/kg	
108-05-4	Vinyl Acetate	ND	32	15	ug/kg	
	m,p-Xylene	ND	13	2.4	ug/kg	
95-47-6	o-Xylene	ND	6.4	1.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-121%
2037-26-5	Toluene-D8	89%		71-130%
460-00-4	4-Bromofluorobenzene	98%		59-148%
17060-07-0	1,2-Dichloroethane-D4	105%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB62-28		
Lab Sample ID:	F62103-5	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	73.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045406.D	1	12/20/08	AH	12/10/08 13:13	n/a	GQR1972
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.93 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	8.6	4.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	71%		56-136%
98-08-8	aaa-Trifluorotoluene	86%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB62-28		
Lab Sample ID:	F62103-5	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	73.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24629.D	1	12/19/08	NY	12/11/08	OP27416	GLL917
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	11	6.6	mg/kg	
	TPH (> C22-C36)	ND	11	6.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	81%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB62-28-a		
Lab Sample ID:	F62103-6	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	73.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0055042.D	1	12/20/08	MM	12/10/08 13:13	n/a	VG2077
Run #2							

	Initial Weight
Run #1	5.14 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	66	33	ug/kg	
75-05-8	Acetonitrile	ND	66	21	ug/kg	
107-02-8	Acrolein	ND	33	13	ug/kg	
107-13-1	Acrylonitrile	ND	33	9.1	ug/kg	
107-05-1	Allyl chloride	ND	33	6.6	ug/kg	
71-43-2	Benzene	18.2	6.6	1.3	ug/kg	
100-44-7	Benzyl Chloride	ND	6.6	1.5	ug/kg	
108-86-1	Bromobenzene	ND	6.6	1.3	ug/kg	
74-97-5	Bromochloromethane	ND	6.6	2.2	ug/kg	
75-27-4	Bromodichloromethane	ND	6.6	1.6	ug/kg	
75-25-2	Bromoform	ND	6.6	2.0	ug/kg	
104-51-8	n-Butylbenzene	ND	6.6	1.9	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.6	1.5	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.6	1.5	ug/kg	
108-90-7	Chlorobenzene	ND	6.6	1.3	ug/kg	
75-00-3	Chloroethane	ND	6.6	2.6	ug/kg	
67-66-3	Chloroform	ND	6.6	2.2	ug/kg	
544-10-5	1-Chlorohexane	ND	6.6	1.7	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.6	1.3	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.6	1.3	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	33	13	ug/kg	
75-15-0	Carbon disulfide	2.0	6.6	1.5	ug/kg	J
56-23-5	Carbon tetrachloride	ND	6.6	1.9	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.6	2.6	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.6	1.7	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.6	1.9	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.6	3.2	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.6	1.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.6	1.5	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.6	1.9	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.6	1.3	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.6	2.8	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB62-28-a		
Lab Sample ID:	F62103-6	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	73.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	6.6	1.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.6	2.6	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.6	2.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.6	1.7	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	33	6.6	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.6	1.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.6	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.6	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.6	1.6	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.6	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	6.6	1.3	ug/kg	
97-63-2	Ethyl methacrylate	ND	33	6.6	ug/kg	
76-13-1	Freon 113	ND	6.6	3.4	ug/kg	
591-78-6	2-Hexanone	ND	33	6.6	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.6	1.6	ug/kg	
110-54-3	Hexane	ND	6.6	3.2	ug/kg	
98-82-8	Isopropylbenzene	8.3	6.6	1.5	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.6	1.5	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	33	8.5	ug/kg	
126-98-7	Methacrylonitrile	ND	33	7.3	ug/kg	
74-83-9	Methyl bromide	ND	6.6	2.9	ug/kg	
74-87-3	Methyl chloride	ND	6.6	3.2	ug/kg	
74-88-4	Methyl iodide	ND	13	2.6	ug/kg	
80-62-6	Methyl methacrylate	ND	33	6.6	ug/kg	
74-95-3	Methylene bromide	ND	6.6	2.0	ug/kg	
75-09-2	Methylene chloride	ND	13	6.6	ug/kg	
78-93-3	Methyl ethyl ketone	ND	33	11	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.6	2.0	ug/kg	
91-20-3	Naphthalene	ND	6.6	2.6	ug/kg	
76-01-7	Pentachloroethane	ND	33	6.6	ug/kg	
107-12-0	Propionitrile	ND	66	16	ug/kg	
103-65-1	n-Propylbenzene	ND	6.6	1.6	ug/kg	
100-42-5	Styrene	ND	6.6	1.3	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.6	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.6	1.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.6	2.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.6	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.6	2.6	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.6	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.6	2.6	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB62-28-a		
Lab Sample ID:	F62103-6	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	73.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	6.6	1.3	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.6	1.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.6	1.6	ug/kg	
108-88-3	Toluene	ND	6.6	1.3	ug/kg	
79-01-6	Trichloroethylene	ND	6.6	1.6	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.6	2.6	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	33	6.6	ug/kg	
75-01-4	Vinyl chloride	ND	6.6	2.6	ug/kg	
108-05-4	Vinyl Acetate	ND	33	16	ug/kg	
	m,p-Xylene	ND	13	2.5	ug/kg	
95-47-6	o-Xylene	ND	6.6	1.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-121%
2037-26-5	Toluene-D8	91%		71-130%
460-00-4	4-Bromofluorobenzene	96%		59-148%
17060-07-0	1,2-Dichloroethane-D4	106%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB62-28-a		
Lab Sample ID:	F62103-6	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	73.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045407.D	1	12/20/08	AH	12/10/08 13:13	n/a	GQR1972
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.80 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.7	3.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	75%		56-136%
98-08-8	aaa-Trifluorotoluene	82%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB62-28-a		
Lab Sample ID:	F62103-6	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	73.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24630.D	1	12/19/08	NY	12/11/08	OP27416	GLL917
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	11	6.8	mg/kg	
	TPH (> C22-C36)	ND	11	6.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	86%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB62-35		
Lab Sample ID:	F62103-7	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0055043.D	1	12/20/08	MM	12/10/08 13:13	n/a	VG2077
Run #2							

	Initial Weight
Run #1	5.38 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	58	29	ug/kg	
75-05-8	Acetonitrile	ND	58	19	ug/kg	
107-02-8	Acrolein	ND	29	11	ug/kg	
107-13-1	Acrylonitrile	ND	29	8.0	ug/kg	
107-05-1	Allyl chloride	ND	29	5.8	ug/kg	
71-43-2	Benzene	ND	5.8	1.2	ug/kg	
100-44-7	Benzyl Chloride	ND	5.8	1.3	ug/kg	
108-86-1	Bromobenzene	ND	5.8	1.2	ug/kg	
74-97-5	Bromochloromethane	ND	5.8	2.0	ug/kg	
75-27-4	Bromodichloromethane	ND	5.8	1.4	ug/kg	
75-25-2	Bromoform	ND	5.8	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	5.8	1.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.8	1.3	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.8	1.3	ug/kg	
108-90-7	Chlorobenzene	ND	5.8	1.2	ug/kg	
75-00-3	Chloroethane	ND	5.8	2.3	ug/kg	
67-66-3	Chloroform	ND	5.8	2.0	ug/kg	
544-10-5	1-Chlorohexane	ND	5.8	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.8	1.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.8	1.2	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	29	12	ug/kg	
75-15-0	Carbon disulfide	ND	5.8	1.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.8	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.8	2.3	ug/kg	
75-35-4	1,1-Dichloroethylene	2.5	5.8	1.5	ug/kg	J
563-58-6	1,1-Dichloropropene	ND	5.8	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.8	2.8	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.8	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	1.8	5.8	1.3	ug/kg	J
78-87-5	1,2-Dichloropropane	ND	5.8	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.8	1.2	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.8	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB62-35		
Lab Sample ID:	F62103-7	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.8	1.2	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.8	2.3	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.8	1.9	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.8	1.5	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	29	5.8	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.8	1.2	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.8	1.2	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.8	1.2	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.8	1.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.8	1.2	ug/kg	
100-41-4	Ethylbenzene	ND	5.8	1.2	ug/kg	
97-63-2	Ethyl methacrylate	ND	29	5.8	ug/kg	
76-13-1	Freon 113	ND	5.8	3.0	ug/kg	
591-78-6	2-Hexanone	ND	29	5.8	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.8	1.4	ug/kg	
110-54-3	Hexane	ND	5.8	2.8	ug/kg	
98-82-8	Isopropylbenzene	ND	5.8	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.8	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	29	7.4	ug/kg	
126-98-7	Methacrylonitrile	ND	29	6.4	ug/kg	
74-83-9	Methyl bromide	ND	5.8	2.6	ug/kg	
74-87-3	Methyl chloride	ND	5.8	2.8	ug/kg	
74-88-4	Methyl iodide	ND	12	2.3	ug/kg	
80-62-6	Methyl methacrylate	ND	29	5.8	ug/kg	
74-95-3	Methylene bromide	ND	5.8	1.7	ug/kg	
75-09-2	Methylene chloride	ND	12	5.8	ug/kg	
78-93-3	Methyl ethyl ketone	ND	29	9.6	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.8	1.7	ug/kg	
91-20-3	Naphthalene	ND	5.8	2.3	ug/kg	
76-01-7	Pentachloroethane	ND	29	5.8	ug/kg	
107-12-0	Propionitrile	ND	58	14	ug/kg	
103-65-1	n-Propylbenzene	ND	5.8	1.4	ug/kg	
100-42-5	Styrene	ND	5.8	1.2	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.8	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.8	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.8	2.1	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.8	1.2	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.8	2.3	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.8	2.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.8	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB62-35		
Lab Sample ID:	F62103-7	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.8	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.8	1.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.8	1.4	ug/kg	
108-88-3	Toluene	ND	5.8	1.2	ug/kg	
79-01-6	Trichloroethylene	ND	5.8	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.8	2.3	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	29	5.8	ug/kg	
75-01-4	Vinyl chloride	ND	5.8	2.3	ug/kg	
108-05-4	Vinyl Acetate	ND	29	14	ug/kg	
	m,p-Xylene	ND	12	2.2	ug/kg	
95-47-6	o-Xylene	ND	5.8	1.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-121%
2037-26-5	Toluene-D8	92%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	107%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB62-35		
Lab Sample ID:	F62103-7	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	80.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	QR045408.D	1	12/20/08	AH	12/10/08 13:13	n/a	GQR1972
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.20 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.3	3.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	72%		56-136%
98-08-8	aaa-Trifluorotoluene	81%		61-121%

(a) Sample was received in a bulk container but was not preserved within 48 hours of sampling.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB62-35		
Lab Sample ID:	F62103-7	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	80.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24631.D	1	12/19/08	NY	12/11/08	OP27416	GLL917
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.2	mg/kg	
	TPH (> C22-C36)	ND	10	6.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F62103-8	**Date Sampled:**	12/08/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/10/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0055044.D	1	12/20/08	MM	n/a	n/a	VG2077
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F62103-8	**Date Sampled:**	12/08/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/10/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F62103-8	**Date Sampled:**	12/08/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/10/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-121%
2037-26-5	Toluene-D8	94%		71-130%
460-00-4	4-Bromofluorobenzene	104%		59-148%
17060-07-0	1,2-Dichloroethane-D4	113%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

F62103 CH

Page 1 of 1

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number [1]: 12-09-2008-2

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Zack Beck / Greg Kinsman

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)					Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
	Sample Analysis Requested [5]																	**Quality Assurance Samples [6]**			
1	SS61-SB61-25	SS61-SB61	08-Dec-2008	1515	23 -25	N	01	SO	5	X	X	X									2
2	SS61-SB61-29	SS61-SB61	08-Dec-2008	1530	27 -29	N	01	SO	5	X	X	X									2
3	SS61-SB61-35	SS61-SB61	08-Dec-2008	1545	33 -35	N	01	SO	5	X	X	X									2
4	SS61-SB62-18	SS61-SB62	09-Dec-2008	0745	16 -18	N	01	SO	5	X	X	X									2
4S	SS61-SB62-18-MS	SS61-SB62	09-Dec-2008	0745	16 -18	MS	01	SO	5	X	X	X									2
4S	SS61-SB62-18-MSD	SS61-SB62	09-Dec-2008	0745	16 -18	SD	01	SO	5	X	X	X									2
5	SS61-SB62-28	SS61-SB62	09-Dec-2008	0800	26 -28	N	01	SO	5	X	X	X									2
6	SS61-SB62-28-a	SS61-SB62	09-Dec-2008	0800	26 -28	FD	01	SO	5	X	X	X									2
7	SS61-SB62-35	SS61-SB62	09-Dec-2008	0815	33 -35	N	01	SO	5	X	X	X									2
8	Trip Blank				-	TB		WQ	3	X											2
					-																

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (signed)	Date	Time		Received by (signed)	Date	Time
1.		12/09/08	1400	1.	FXO		
2.	FX	12/10/08	9:30	2.	CL	12/10/08	9:30
3.				3.			

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: _____ Shipped No.: _____

Method of Shipment: _____ Airbill Number: _____

Analytical Lab: Accutest Laboratories Delivery Location: _____

Lab Recipient: _____ Delivery Date/Time: _____

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

7 0

4.1 4

F62103: Chain of Custody

Page 1 of 2

ACCUTEST Laboratories F62103

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F62103 CL CLIENT: BHATE PROJECT: SS-61

DATE/TIME RECEIVED: 12/10/08 9:30 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.8

METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8683 0096 6759

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [X] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 36

NUMBER OF 5035 FIELD KITS ? 1TB

NUMBER OF LAB FILTERED METALS ? 8

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE: 12/10/08 TECHNICIAN SIGNATURE/DATE: 12-10-08

ASBD 12/17/07

F62103: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F62103
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2077-MB	G0055034.D	1	12/20/08	MM	n/a	n/a	VG2077

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62103-1, F62103-2, F62103-3, F62103-4, F62103-5, F62103-6, F62103-7, F62103-8

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F62103
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2077-MB	G0055034.D	1	12/20/08	MM	n/a	n/a	VG2077

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62103-1, F62103-2, F62103-3, F62103-4, F62103-5, F62103-6, F62103-7, F62103-8

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F62103
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2077-MB	G0055034.D	1	12/20/08	MM	n/a	n/a	VG2077

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62103-1, F62103-2, F62103-3, F62103-4, F62103-5, F62103-6, F62103-7, F62103-8

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	110%	80-121%
2037-26-5	Toluene-D8	89%	71-130%
460-00-4	4-Bromofluorobenzene	95%	59-148%
17060-07-0	1,2-Dichloroethane-D4	115%	77-123%

Blank Spike Summary

Job Number: F62103
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2077-BS	G0055033.D	1	12/20/08	MM	n/a	n/a	VG2077

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62103-1, F62103-2, F62103-3, F62103-4, F62103-5, F62103-6, F62103-7, F62103-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	105	42*	61-144
75-05-8	Acetonitrile	500	500	100	59-139
107-02-8	Acrolein	250	85.3	34	27-156
107-13-1	Acrylonitrile	250	222	89	55-144
107-05-1	Allyl chloride	50	72.8	146	41-152
71-43-2	Benzene	50	59.6	119	78-130
100-44-7	Benzyl Chloride	50	41.0	82	74-130
108-86-1	Bromobenzene	50	52.2	104	78-123
74-97-5	Bromochloromethane	50	47.4	95	72-122
75-27-4	Bromodichloromethane	50	53.2	106	73-122
75-25-2	Bromoform	50	41.3	83	70-139
104-51-8	n-Butylbenzene	50	61.9	124	80-138
135-98-8	sec-Butylbenzene	50	60.0	120	82-132
98-06-6	tert-Butylbenzene	50	59.6	119	79-130
108-90-7	Chlorobenzene	50	54.6	109	83-122
75-00-3	Chloroethane	50	48.2	96	61-153
67-66-3	Chloroform	50	62.1	124	79-129
544-10-5	1-Chlorohexane	50	59.7	119	85-137
95-49-8	o-Chlorotoluene	50	58.0	116	77-123
106-43-4	p-Chlorotoluene	50	57.1	114	78-129
110-75-8	2-Chloroethyl vinyl ether	250	284	114	52-142
75-15-0	Carbon disulfide	50	55.5	111	61-142
56-23-5	Carbon tetrachloride	50	52.2	104	79-135
75-34-3	1,1-Dichloroethane	50	61.1	122	77-132
75-35-4	1,1-Dichloroethylene	50	61.4	123	66-132
563-58-6	1,1-Dichloropropene	50	61.2	122	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	38.6	77	67-129
106-93-4	1,2-Dibromoethane	50	41.2	82	77-126
107-06-2	1,2-Dichloroethane	50	50.4	101	78-129
78-87-5	1,2-Dichloropropane	50	52.9	106	74-127
142-28-9	1,3-Dichloropropane	50	42.7	85	78-118
594-20-7	2,2-Dichloropropane	50	70.2	140*	80-137
124-48-1	Dibromochloromethane	50	45.8	92	78-117
75-71-8	Dichlorodifluoromethane	50	38.3	77	35-162
156-59-2	cis-1,2-Dichloroethylene	50	53.1	106	74-123
10061-01-5	cis-1,3-Dichloropropene	50	54.4	109	79-130

Blank Spike Summary

Job Number: F62103
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2077-BS	G0055033.D	1	12/20/08	MM	n/a	n/a	VG2077

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62103-1, F62103-2, F62103-3, F62103-4, F62103-5, F62103-6, F62103-7, F62103-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	45.8	92	71-126
541-73-1	m-Dichlorobenzene	50	59.3	119	82-126
95-50-1	o-Dichlorobenzene	50	55.3	111	83-123
106-46-7	p-Dichlorobenzene	50	58.2	116	84-124
156-60-5	trans-1,2-Dichloroethylene	50	61.2	122	77-129
10061-02-6	trans-1,3-Dichloropropene	50	52.3	105	87-131
100-41-4	Ethylbenzene	50	56.0	112	82-124
97-63-2	Ethyl methacrylate	50	39.7	79	78-118
76-13-1	Freon 113	50	62.5	125	62-147
591-78-6	2-Hexanone	250	150	60*	67-130
87-68-3	Hexachlorobutadiene	50	72.6	145	77-150
110-54-3	Hexane	50	68.9	138	65-147
98-82-8	Isopropylbenzene	50	57.2	114	82-133
99-87-6	p-Isopropyltoluene	50	62.1	124	82-132
108-10-1	4-Methyl-2-pentanone	250	175	70	69-125
126-98-7	Methacrylonitrile	500	496	99	70-138
74-83-9	Methyl bromide	50	52.7	105	60-146
74-87-3	Methyl chloride	50	49.3	99	58-163
74-88-4	Methyl iodide	50	48.1	96	66-128
80-62-6	Methyl methacrylate	50	41.7	83	73-125
74-95-3	Methylene bromide	50	46.6	93	75-128
75-09-2	Methylene chloride	50	57.4	115	62-140
78-93-3	Methyl ethyl ketone	250	140	56*	66-134
1634-04-4	Methyl Tert Butyl Ether	50	42.1	84	70-131
91-20-3	Naphthalene	50	42.6	85	59-143
76-01-7	Pentachloroethane	50	60.8	122	64-156
107-12-0	Propionitrile	500	365	73	73-133
103-65-1	n-Propylbenzene	50	58.6	117	78-129
100-42-5	Styrene	50	52.6	105	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	50.0	100	81-121
71-55-6	1,1,1-Trichloroethane	50	62.4	125	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	41.9	84	70-128
79-00-5	1,1,2-Trichloroethane	50	44.7	89	76-118
87-61-6	1,2,3-Trichlorobenzene	50	47.3	95	78-136
96-18-4	1,2,3-Trichloropropane	50	37.2	74	74-125
120-82-1	1,2,4-Trichlorobenzene	50	54.4	109	82-137

Blank Spike Summary

Job Number: F62103
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2077-BS	G0055033.D	1	12/20/08	MM	n/a	n/a	VG2077

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62103-1, F62103-2, F62103-3, F62103-4, F62103-5, F62103-6, F62103-7, F62103-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	58.0	116	77-129
108-67-8	1,3,5-Trimethylbenzene	50	60.4	121	79-129
127-18-4	Tetrachloroethylene	50	56.5	113	79-132
108-88-3	Toluene	50	53.0	106	80-123
79-01-6	Trichloroethylene	50	57.8	116	78-132
75-69-4	Trichlorofluoromethane	50	56.2	112	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	85.9	172*	74-138
75-01-4	Vinyl chloride	50	45.8	92	60-145
108-05-4	Vinyl Acetate	250	218	87	25-164
	m,p-Xylene	100	113	113	82-128
95-47-6	o-Xylene	50	54.6	109	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	80-121%
2037-26-5	Toluene-D8	93%	71-130%
460-00-4	4-Bromofluorobenzene	91%	59-148%
17060-07-0	1,2-Dichloroethane-D4	91%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62103
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62103-4MS	G0055036.D	1	12/20/08	MM	n/a	n/a	VG2077
F62103-4MSD	G0055037.D	1	12/20/08	MM	n/a	n/a	VG2077
F62103-4	G0055035.D	1	12/20/08	MM	n/a	n/a	VG2077

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62103-1, F62103-2, F62103-3, F62103-4, F62103-5, F62103-6, F62103-7, F62103-8

CAS No.	Compound	F62103-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		351	147	42*	171	49*	15	61-144/29
75-05-8	Acetonitrile	ND		702	529	75	642	92	19	59-139/30
107-02-8	Acrolein	ND		351	53.3	15*	38.5	11*	32	27-156/39
107-13-1	Acrylonitrile	ND		351	308	88	351	101	13	55-144/24
107-05-1	Allyl chloride	ND		70.2	45.8	65	41.9	60	9	41-152/24
71-43-2	Benzene	ND		70.2	72.9	104	76.3	110	5	78-130/25
100-44-7	Benzyl Chloride	ND		70.2	50.9	72*	53.1	76	4	74-130/28
108-86-1	Bromobenzene	ND		70.2	68.1	97	71.7	103	5	78-123/30
74-97-5	Bromochloromethane	ND		70.2	62.3	89	63.5	91	2	72-122/23
75-27-4	Bromodichloromethane	ND		70.2	64.9	92	69.8	100	7	73-122/25
75-25-2	Bromoform	ND		70.2	51.0	73	49.4	71	3	70-139/26
104-51-8	n-Butylbenzene	ND		70.2	71.8	102	72.9	105	2	80-138/31
135-98-8	sec-Butylbenzene	11.3		70.2	73.9	89	75.7	92	2	82-132/29
98-06-6	tert-Butylbenzene	7.4		70.2	70.7	90	73.2	94	3	79-130/29
108-90-7	Chlorobenzene	ND		70.2	69.1	98	71.4	103	3	83-122/23
75-00-3	Chloroethane	ND		70.2	61.4	87	64.3	92	5	61-153/31
67-66-3	Chloroform	ND		70.2	73.1	104	77.4	111	6	79-129/27
544-10-5	1-Chlorohexane	ND		70.2	74.0	105	75.3	108	2	85-137/29
95-49-8	o-Chlorotoluene	ND		70.2	70.5	100	71.7	103	2	77-123/31
106-43-4	p-Chlorotoluene	ND		70.2	69.2	99	72.1	104	4	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		351	370	105	431	124	15	52-142/25
75-15-0	Carbon disulfide	ND		70.2	66.9	95	68.4	98	2	61-142/27
56-23-5	Carbon tetrachloride	ND		70.2	74.4	106	79.5	114	7	79-135/29
75-34-3	1,1-Dichloroethane	ND		70.2	74.2	106	75.9	109	2	77-132/26
75-35-4	1,1-Dichloroethylene	2.4	J	70.2	76.0	105	79.4	111	4	66-132/27
563-58-6	1,1-Dichloropropene	ND		70.2	73.8	105	76.7	110	4	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		70.2	54.9	78	59.4	85	8	67-129/29
106-93-4	1,2-Dibromoethane	ND		70.2	59.7	85	66.6	96	11	77-126/24
107-06-2	1,2-Dichloroethane	ND		70.2	64.8	92	69.6	100	7	78-129/24
78-87-5	1,2-Dichloropropane	ND		70.2	64.3	92	68.0	98	6	74-127/27
142-28-9	1,3-Dichloropropane	ND		70.2	58.9	84	63.1	91	7	78-118/26
594-20-7	2,2-Dichloropropane	ND		70.2	66.3	94	66.5	95	0	80-137/28
124-48-1	Dibromochloromethane	ND		70.2	64.5	92	69.0	99	7	78-117/27
75-71-8	Dichlorodifluoromethane	ND		70.2	36.6	52	46.2	66	23	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		70.2	67.8	97	71.2	102	5	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		70.2	63.2	90	69.4	100	9	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62103
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62103-4MS	G0055036.D	1	12/20/08	MM	n/a	n/a	VG2077
F62103-4MSD	G0055037.D	1	12/20/08	MM	n/a	n/a	VG2077
F62103-4	G0055035.D	1	12/20/08	MM	n/a	n/a	VG2077

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62103-1, F62103-2, F62103-3, F62103-4, F62103-5, F62103-6, F62103-7, F62103-8

CAS No.	Compound	F62103-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		70.2	61.8	88	63.5	91	3	71-126/28
541-73-1	m-Dichlorobenzene	ND		70.2	71.9	102	74.9	108	4	82-126/29
95-50-1	o-Dichlorobenzene	ND		70.2	69.2	99	71.5	103	3	83-123/28
106-46-7	p-Dichlorobenzene	ND		70.2	70.9	101	72.0	103	2	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		70.2	72.4	103	75.2	108	4	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		70.2	65.8	94	70.8	102	7	87-131/27
100-41-4	Ethylbenzene	ND		70.2	69.5	99	72.6	104	4	82-124/25
97-63-2	Ethyl methacrylate	ND		70.2	35.2	50*	33.6	48*	5	78-118/30
76-13-1	Freon 113	ND		70.2	75.7	108	76.0	109	0	62-147/29
591-78-6	2-Hexanone	ND		351	229	65*	261	75	13	67-130/29
87-68-3	Hexachlorobutadiene	ND		70.2	87.8	125	86.2	124	2	77-150/36
110-54-3	Hexane	ND		70.2	78.3	111	80.4	115	3	65-147/27
98-82-8	Isopropylbenzene	15.7		70.2	72.2	80*	76.9	88	6	82-133/27
99-87-6	p-Isopropyltoluene	ND		70.2	73.1	104	78.5	113	7	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		351	274	78	307	88	11	69-125/24
126-98-7	Methacrylonitrile	ND		702	697	99	780	112	11	70-138/22
74-83-9	Methyl bromide	ND		70.2	67.0	95	69.7	100	4	60-146/31
74-87-3	Methyl chloride	ND		70.2	60.4	86	62.3	89	3	58-163/26
74-88-4	Methyl iodide	ND		70.2	59.3	84	60.2	86	2	66-128/27
80-62-6	Methyl methacrylate	ND		70.2	64.8	92	76.3	110	16	73-125/24
74-95-3	Methylene bromide	ND		70.2	63.6	91	66.9	96	5	75-128/26
75-09-2	Methylene chloride	8.8	J	70.2	74.7	94	81.9	105	9	62-140/25
78-93-3	Methyl ethyl ketone	ND		351	189	54*	219	63*	15	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		70.2	59.9	85	65.3	94	9	70-131/25
91-20-3	Naphthalene	ND		70.2	61.8	88	65.9	95	6	59-143/31
76-01-7	Pentachloroethane	ND		70.2	73.3	104	73.4	105	0	64-156/37
107-12-0	Propionitrile	ND		702	515	73	586	84	13	73-133/23
103-65-1	n-Propylbenzene	ND		70.2	72.0	102	73.9	106	3	78-129/29
100-42-5	Styrene	ND		70.2	65.9	94	71.9	103	9	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		70.2	66.0	94	68.6	98	4	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		70.2	75.8	108	76.8	110	1	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		70.2	60.5	86	65.8	94	8	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		70.2	61.7	88	63.8	92	3	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		70.2	66.2	94	67.4	97	2	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		70.2	57.1	81	61.1	88	7	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		70.2	70.4	100	74.8	107	6	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62103
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62103-4MS	G0055036.D	1	12/20/08	MM	n/a	n/a	VG2077
F62103-4MSD	G0055037.D	1	12/20/08	MM	n/a	n/a	VG2077
F62103-4	G0055035.D	1	12/20/08	MM	n/a	n/a	VG2077

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62103-1, F62103-2, F62103-3, F62103-4, F62103-5, F62103-6, F62103-7, F62103-8

CAS No.	Compound	F62103-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		70.2	72.9	104	75.3	108	3	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		70.2	74.3	106	76.2	109	3	79-129/31
127-18-4	Tetrachloroethylene	ND		70.2	78.9	112	82.4	118	4	79-132/27
108-88-3	Toluene	ND		70.2	69.6	99	72.3	104	4	80-123/26
79-01-6	Trichloroethylene	ND		70.2	73.4	104	76.9	110	5	78-132/28
75-69-4	Trichlorofluoromethane	ND		70.2	69.8	99	69.8	100	0	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		70.2	116	165*	131	188*	12	74-138/30
75-01-4	Vinyl chloride	ND		70.2	59.3	84	60.6	87	2	60-145/29
108-05-4	Vinyl Acetate	ND		351	112	32	101	29	10	25-164/35
	m,p-Xylene	ND		140	143	102	151	108	5	82-128/25
95-47-6	o-Xylene	ND		70.2	67.8	97	71.7	103	6	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F62103-4	Limits
1868-53-7	Dibromofluoromethane	104%	100%	106%	80-121%
2037-26-5	Toluene-D8	97%	96%	98%	71-130%
460-00-4	4-Bromofluorobenzene	98%	96%	96%	59-148%
17060-07-0	1,2-Dichloroethane-D4	98%	108%	111%	77-123%

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F62103
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1970-MB	QR045326.D	1	12/18/08	AH	n/a	n/a	GQR1970

The QC reported here applies to the following samples: **Method:** SW846 8015

F62103-4

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	90%	56-136%
98-08-8	aaa-Trifluorotoluene	79%	61-121%

Method Blank Summary

Job Number: F62103
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1972-MB	QR045392.D	1	12/19/08	AH	n/a	n/a	GQR1972

The QC reported here applies to the following samples: **Method:** SW846 8015

F62103-1, F62103-2, F62103-3, F62103-5, F62103-6, F62103-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	76%	56-136%
98-08-8	aaa-Trifluorotoluene	80%	61-121%

Blank Spike Summary

Job Number: F62103
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1970-BS	QR045325.D	1	12/18/08	AH	n/a	n/a	GQR1970

The QC reported here applies to the following samples: **Method:** SW846 8015

F62103-4

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	20.7	104	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	109%	56-136%
98-08-8	aaa-Trifluorotoluene	97%	61-121%

Blank Spike Summary

Job Number: F62103
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1972-BS	QR045391.D	1	12/19/08	AH	n/a	n/a	GQR1972

The QC reported here applies to the following samples: **Method:** SW846 8015

F62103-1, F62103-2, F62103-3, F62103-5, F62103-6, F62103-7

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	18.6	93	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	96%	56-136%
98-08-8	aaa-Trifluorotoluene	101%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62103
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62103-4MS	QR045348.D	1	12/18/08	AH	n/a	n/a	GQR1970
F62103-4MSD	QR045349.D	1	12/18/08	AH	n/a	n/a	GQR1970
F62103-4	QR045344.D	1	12/18/08	AH	n/a	n/a	GQR1970

The QC reported here applies to the following samples: **Method:** SW846 8015

F62103-4

CAS No.	Compound	F62103-4 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	26.6		28.2	47.0	72*	47.5	74	1	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F62103-4	Limits
460-00-4	4-Bromofluorobenzene	107%	112%	103%	56-136%
98-08-8	aaa-Trifluorotoluene	104%	109%	91%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62103
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62062-3MS	QR045416.D	1	12/20/08	AH	n/a	n/a	GQR1972
F62062-3MSD	QR045417.D	1	12/20/08	AH	n/a	n/a	GQR1972
F62062-3	QR045394.D	1	12/19/08	AH	n/a	n/a	GQR1972

The QC reported here applies to the following samples: **Method:** SW846 8015

F62103-1, F62103-2, F62103-3, F62103-5, F62103-6, F62103-7

CAS No.	Compound	F62062-3 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		22	20.7	94	20.7	94	0	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F62062-3	Limits
460-00-4	4-Bromofluorobenzene	93%	101%	74%	56-136%
98-08-8	aaa-Trifluorotoluene	100%	96%	80%	61-121%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F62103
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27416-MB	LL24604.D	1	12/18/08	NY	12/11/08	OP27416	GLL917

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62103-1, F62103-2, F62103-3, F62103-4, F62103-5, F62103-6, F62103-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	86%	49-108%

Blank Spike Summary

Job Number: F62103
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27416-BS	LL24603.D	1	12/18/08	NY	12/11/08	OP27416	GLL917

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62103-1, F62103-2, F62103-3, F62103-4, F62103-5, F62103-6, F62103-7

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33.3	31.0	93	64-102
	TPH (> C22-C36)	33.3	37.1	111	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	91%	49-108%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62103
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27416-MS	LL24627.D	1	12/19/08	NY	12/11/08	OP27416	GLL917
OP27416-MSD	LL24628.D	1	12/19/08	NY	12/11/08	OP27416	GLL917
F62103-4	LL24626.D	1	12/19/08	NY	12/11/08	OP27416	GLL917

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62103-1, F62103-2, F62103-3, F62103-4, F62103-5, F62103-6, F62103-7

CAS No.	Compound	F62103-4 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		43	39.4	92	38.3	90	3	64-102/32
	TPH (> C22-C36)	ND		43	50.1	116	52.0	122	4	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F62103-4	Limits
84-15-1	o-Terphenyl	91%	92%	84%	49-108%

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F62105

Sampling Date: 12/08/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **96**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.

Test results relate only to samples analyzed.

Sections: 1 2 3 4 5 6 7

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **7**
3.1: F62105-1: SS61-SB59-25 8
3.2: F62105-2: SS61-SB59-29 13
3.3: F62105-3: SS61-SB59-35 18
3.4: F62105-4: SS61-SB60-25 23
3.5: F62105-5: SS61-SB60-30 28
3.6: F62105-6: SS61-SB60-40 33
3.7: F62105-7: SS61-SB60-30-a 38
3.8: F62105-8: TRIP BLANK 43
Section 4: Misc. Forms **46**
4.1: Chain of Custody 47
Section 5: GC/MS Volatiles - QC Data Summaries **49**
5.1: Method Blank Summary 50
5.2: Blank Spike Summary 61
5.3: Matrix Spike/Matrix Spike Duplicate Summary 75
Section 6: GC Volatiles - QC Data Summaries **86**
6.1: Method Blank Summary 87
6.2: Blank Spike Summary 89
6.3: Matrix Spike/Matrix Spike Duplicate Summary 91
Section 7: GC Semi-volatiles - QC Data Summaries **93**
7.1: Method Blank Summary 94
7.2: Blank Spike Summary 95
7.3: Matrix Spike/Matrix Spike Duplicate Summary 96

Sample Summary

North Wind, Inc

Job No: F62105

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F62105-1	12/08/08	10:50	ZB	12/10/08	SO	Soil	SS61-SB59-25
F62105-2	12/08/08	11:00	ZB	12/10/08	SO	Soil	SS61-SB59-29
F62105-3	12/08/08	11:10	ZB	12/10/08	SO	Soil	SS61-SB59-35
F62105-4	12/08/08	13:15	ZB	12/10/08	SO	Soil	SS61-SB60-25
F62105-4D	12/08/08	13:15	ZB	12/10/08	SO	Soil	SS61-SB60-25-MSD
F62105-4S	12/08/08	13:15	ZB	12/10/08	SO	Soil	SS61-SB60-25-MS
F62105-5	12/08/08	13:30	ZB	12/10/08	SO	Soil	SS61-SB60-30
F62105-6	12/08/08	13:45	ZB	12/10/08	SO	Soil	SS61-SB60-40
F62105-7	12/08/08	13:30	ZB	12/10/08	SO	Soil	SS61-SB60-30-a
F62105-8	12/08/08	00:00	ZB	12/10/08	SO	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F62105

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 1/2/2009 1:04:56 PM

7 Samples, 1 Trip Blank were collected on 12/08/2008 and received at Accutest on 12/10/2008 properly preserved, at 2.2 Deg. C and intact. These Samples received an Accutest job number of F62105. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2078

All method blanks for this batch meet method specific criteria.

Sample(s) F62105-4MS, F62105-4MSD were used as the QC samples indicated.

Blank Spike Recovery(s) for Acetone, Acrolein, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for 2,2-Dichloropropane, Acetone, Acrolein, Carbon tetrachloride, Chloroethane, Dichlorodifluoromethane, Methyl chloride, Trans-1,4-Dichloro-2-Butene, Trichlorofluoromethane, Vinyl chloride are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 2,2-Dichloropropane, Acetone, Acrolein, Carbon tetrachloride, Chloroethane, Hexachlorobutadiene, Methyl chloride, Trans-1,4-Dichloro-2-Butene, Trichlorofluoromethane, Vinyl chloride are outside control limits. Probable cause due to matrix interference.

Sample(s) F62105-2 have surrogates outside control limits. Probable cause due to matrix interference.

F62105-2: Confirmation run.

F62105-2 for Toluene-D8: Confirmation run.

F62105-2 for Dibromofluoromethane: Confirmation run.

F62105-2 for 4-Bromofluorobenzene: Confirmation run.

F62105-2 for 1,2-Dichloroethane-D4: Confirmation run.

F62105-1 for Methylene chloride: Suspected laboratory contaminant.

Matrix: SO **Batch ID:** VG2080

Sample(s) F62133-1MS, F62133-1MSD were used as the QC samples indicated.

The following samples were run outside of holding time for method SW846 8260B: F62105-5, F62105-6, F62105-8, F62105-5 Sample re-analyzed beyond hold time; reported results are considered minimum values.

Sample(s) F62105-5 have compound(s) reported with a “B” qualifier, indicating analyte is found in the associated method blank.

Blank Spike Recovery(s) for 1,2,3-Trichloropropane, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Acrolein, Benzyl Chloride, Bromoform, Ethyl methacrylate, Methyl ethyl ketone, Methyl methacrylate, Propionitrile, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for 2-Hexanone, Acetone, Acrolein, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for Acetone, Acrolein, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Naphthalene, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Sample(s) F62105-2 have surrogates outside control limits. Probable cause due to matrix interference.

F62105-8: Sample re-analyzed beyond hold time; reported results are considered minimum values.

F62105-6: Sample re-analyzed beyond hold time; reported results are considered minimum values.

F62105-5: Sample re-analyzed beyond hold time; reported results are considered minimum values.

Matrix: SO **Batch ID:** VG2081

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2081

Sample(s) F62142-3MS, F62142-3MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

The following samples were run outside of holding time for method SW846 8260B: F62105-7, F62105-5 Sample re-analyzed beyond hold time; reported results are considered minimum values.

Sample(s) F62105-2 have surrogates outside control limits. Probable cause due to matrix interference.

F62105-5: Sample re-analyzed beyond hold time; reported results are considered minimum values.

Matrix: SO **Batch ID:** VG2082

All method blanks for this batch meet method specific criteria.

Sample(s) F62374-9MS, F62374-9MSD were used as the QC samples indicated.

The following samples were run outside of holding time for method SW846 8260B: F62105-2, F62105-7 Sample re-analyzed beyond hold time; reported results are considered minimum values.

Blank Spike Recovery(s) for Hexane, Tetrachloroethylene, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for 1,2,3-Trichloropropane, Acetone, Benzyl Chloride, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene, Trichloroethylene are outside control limits. Outside control limits due to high level in sample

Matrix Spike Duplicate Recovery(s) for Acetone, cis-1,2-Dichloroethylene, Methyl ethyl ketone, Tetrachloroethylene, Trans-1,4-Dichloro-2-Butene, Trichloroethylene are outside control limits. Probable cause due to matrix interference.

Matrix Spike Recovery(s) for cis-1,2-Dichloroethylene, Tetrachloroethylene are outside control limits. Outside control limits due to high level in sample relative to spike amount.

RPD(s) for MSD for Allyl chloride are outside control limits for sample F62374-9MSD. Probable cause due to sample homogeneity.

Sample(s) F62105-2 have surrogates outside control limits. Probable cause due to matrix interference.

F62105-7: Sample re-analyzed beyond hold time; reported results are considered minimum values.

Matrix: SO **Batch ID:** VG2083

All method blanks for this batch meet method specific criteria.

Sample(s) F62374-11MS, F62374-11MSD were used as the QC samples indicated.

The following samples were run outside of holding time for method SW846 8260B: F62105-2 Sample re-analyzed beyond hold time; reported results are considered minimum values.

Matrix Spike Recovery(s) for Isopropylbenzene are outside control limits. Probable cause due to matrix interference.

Sample(s) F62105-2 have surrogates outside control limits. Probable cause due to matrix interference.

F62105-2: Sample re-analyzed beyond hold time; reported results are considered minimum values.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GQR1971

All samples were analyzed within the recommended method holding time.

Sample(s) F62105-4MS, F62105-4MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Sample(s) F62105-2 have surrogates outside control limits. Probable cause due to matrix interference.

Matrix: SO **Batch ID:** GQR1972

All samples were analyzed within the recommended method holding time.

Sample(s) F62062-3MS, F62062-3MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Sample(s) F62105-2 have surrogates outside control limits. Probable cause due to matrix interference.

F62105-2 for aaa-Trifluorotoluene: Outside control limits due to matrix interference.

F62105-2 for aaa-Trifluorotoluene: Result reported from PID.

Extractables by GC By Method SW846 8015 M

Matrix: SO **Batch ID:** OP27436

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F62105-4MS, F62105-4MSD were used as the QC samples indicated.

Wet Chemistry By Method SM19 2540B M

Matrix: SO **Batch ID:** GN33134

Sample(s) F62092-1DUP were used as the QC samples for Solids, Percent.

Matrix: SO **Batch ID:** GN33137

Sample(s) F62103-1DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the

samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: January 02, 2009

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-SB59-25		
Lab Sample ID:	F62105-1	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	90.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0055083.D	1	12/22/08	MM	12/10/08 10:40	n/a	VG2078
Run #2							

	Initial Weight
Run #1	6.29 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	44	22	ug/kg	
75-05-8	Acetonitrile	ND	44	14	ug/kg	
107-02-8	Acrolein	ND	22	8.7	ug/kg	
107-13-1	Acrylonitrile	ND	22	6.1	ug/kg	
107-05-1	Allyl chloride	ND	22	4.4	ug/kg	
71-43-2	Benzene	ND	4.4	0.88	ug/kg	
100-44-7	Benzyl Chloride	ND	4.4	0.97	ug/kg	
108-86-1	Bromobenzene	ND	4.4	0.88	ug/kg	
74-97-5	Bromochloromethane	ND	4.4	1.5	ug/kg	
75-27-4	Bromodichloromethane	ND	4.4	1.1	ug/kg	
75-25-2	Bromoform	ND	4.4	1.3	ug/kg	
104-51-8	n-Butylbenzene	ND	4.4	1.2	ug/kg	
135-98-8	sec-Butylbenzene	ND	4.4	0.97	ug/kg	
98-06-6	tert-Butylbenzene	ND	4.4	0.97	ug/kg	
108-90-7	Chlorobenzene	ND	4.4	0.88	ug/kg	
75-00-3	Chloroethane	ND	4.4	1.8	ug/kg	
67-66-3	Chloroform	ND	4.4	1.5	ug/kg	
544-10-5	1-Chlorohexane	ND	4.4	1.1	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.4	0.88	ug/kg	
106-43-4	p-Chlorotoluene	ND	4.4	0.88	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	22	8.8	ug/kg	
75-15-0	Carbon disulfide	ND	4.4	0.97	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.4	1.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.4	1.8	ug/kg	
75-35-4	1,1-Dichloroethylene	1.2	4.4	1.1	ug/kg	J
563-58-6	1,1-Dichloropropene	ND	4.4	1.2	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.4	2.1	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4.4	0.88	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.4	0.97	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.4	1.2	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4.4	0.88	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4.4	1.9	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB59-25		
Lab Sample ID:	F62105-1	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	90.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	4.4	0.88	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.4	1.8	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.4	1.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.4	1.1	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	22	4.4	ug/kg	
541-73-1	m-Dichlorobenzene	ND	4.4	0.88	ug/kg	
95-50-1	o-Dichlorobenzene	ND	4.4	0.88	ug/kg	
106-46-7	p-Dichlorobenzene	ND	4.4	0.88	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	4.4	1.1	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.4	0.88	ug/kg	
100-41-4	Ethylbenzene	ND	4.4	0.88	ug/kg	
97-63-2	Ethyl methacrylate	ND	22	4.4	ug/kg	
76-13-1	Freon 113	ND	4.4	2.3	ug/kg	
591-78-6	2-Hexanone	ND	22	4.4	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.4	1.1	ug/kg	
110-54-3	Hexane	ND	4.4	2.1	ug/kg	
98-82-8	Isopropylbenzene	1.3	4.4	0.97	ug/kg	J
99-87-6	p-Isopropyltoluene	ND	4.4	0.97	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	22	5.7	ug/kg	
126-98-7	Methacrylonitrile	ND	22	4.9	ug/kg	
74-83-9	Methyl bromide	ND	4.4	1.9	ug/kg	
74-87-3	Methyl chloride	ND	4.4	2.1	ug/kg	
74-88-4	Methyl iodide	ND	8.8	1.8	ug/kg	
80-62-6	Methyl methacrylate	ND	22	4.4	ug/kg	
74-95-3	Methylene bromide	ND	4.4	1.3	ug/kg	
75-09-2	Methylene chloride [a]	11.5	8.8	4.4	ug/kg	
78-93-3	Methyl ethyl ketone	ND	22	7.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.4	1.3	ug/kg	
91-20-3	Naphthalene	ND	4.4	1.8	ug/kg	
76-01-7	Pentachloroethane	ND	22	4.4	ug/kg	
107-12-0	Propionitrile	ND	44	11	ug/kg	
103-65-1	n-Propylbenzene	ND	4.4	1.1	ug/kg	
100-42-5	Styrene	ND	4.4	0.88	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.4	0.88	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.4	0.97	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.4	1.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.4	0.88	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.4	1.8	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.4	1.7	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.4	1.8	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB59-25		
Lab Sample ID:	F62105-1	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	90.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	4.4	0.88	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.4	0.88	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.4	1.1	ug/kg	
108-88-3	Toluene	ND	4.4	0.88	ug/kg	
79-01-6	Trichloroethylene	ND	4.4	1.1	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.4	1.8	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	22	4.4	ug/kg	
75-01-4	Vinyl chloride	ND	4.4	1.8	ug/kg	
108-05-4	Vinyl Acetate	ND	22	11	ug/kg	
	m,p-Xylene	ND	8.8	1.7	ug/kg	
95-47-6	o-Xylene	ND	4.4	0.88	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		80-121%
2037-26-5	Toluene-D8	99%		71-130%
460-00-4	4-Bromofluorobenzene	101%		59-148%
17060-07-0	1,2-Dichloroethane-D4	100%		77-123%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB59-25		
Lab Sample ID:	F62105-1	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	90.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045360.D	1	12/19/08	AH	12/10/08 10:40	n/a	GQR1971
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.30 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	83%		56-136%
98-08-8	aaa-Trifluorotoluene	78%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB59-25		
Lab Sample ID:	F62105-1	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	90.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24641.D	1	12/19/08	NY	12/12/08	OP27436	GLL918
Run #2							

	Initial Weight	Final Volume
Run #1	29.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.3	5.6	mg/kg	
	TPH (> C22-C36)	ND	9.3	5.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB59-29		
Lab Sample ID:	F62105-2	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0055216.D	1	12/27/08	MM	12/10/08 10:40	n/a	VG2082
Run #2 [a]	G0055085.D	1	12/22/08	MM	12/10/08 10:40	n/a	VG2078
Run #3 [b]	G0055223.D	10	12/29/08	MM	12/10/08 10:40	n/a	VG2083

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.42 g	5.0 ml	100 ul
Run #2	5.65 g		
Run #3	5.42 g	5.0 ml	20.0 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3500	1700	ug/kg	
75-05-8	Acetonitrile	ND	3500	1100	ug/kg	
107-02-8	Acrolein	ND	1700	680	ug/kg	
107-13-1	Acrylonitrile	ND	1700	480	ug/kg	
107-05-1	Allyl chloride	ND	1700	350	ug/kg	
71-43-2	Benzene	1230	350	69	ug/kg	
100-44-7	Benzyl Chloride	ND	350	76	ug/kg	
108-86-1	Bromobenzene	ND	350	69	ug/kg	
74-97-5	Bromochloromethane	ND	350	120	ug/kg	
75-27-4	Bromodichloromethane	ND	350	83	ug/kg	
75-25-2	Bromoform	ND	350	100	ug/kg	
104-51-8	n-Butylbenzene	ND	350	97	ug/kg	
135-98-8	sec-Butylbenzene	2620	350	76	ug/kg	
98-06-6	tert-Butylbenzene	1260	350	76	ug/kg	
108-90-7	Chlorobenzene	ND	350	69	ug/kg	
75-00-3	Chloroethane	ND	350	140	ug/kg	
67-66-3	Chloroform	ND	350	120	ug/kg	
544-10-5	1-Chlorohexane	ND	350	90	ug/kg	
95-49-8	o-Chlorotoluene	ND	350	69	ug/kg	
106-43-4	p-Chlorotoluene	ND	350	69	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1700	690	ug/kg	
75-15-0	Carbon disulfide	ND	350	76	ug/kg	
56-23-5	Carbon tetrachloride	ND	350	97	ug/kg	
75-34-3	1,1-Dichloroethane	ND	350	140	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	350	90	ug/kg	
563-58-6	1,1-Dichloropropene	ND	350	97	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	350	170	ug/kg	
106-93-4	1,2-Dibromoethane	ND	350	69	ug/kg	
107-06-2	1,2-Dichloroethane	ND	350	76	ug/kg	
78-87-5	1,2-Dichloropropane	ND	350	97	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB59-29		
Lab Sample ID:	F62105-2	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	350	69	ug/kg	
594-20-7	2,2-Dichloropropane	ND	350	150	ug/kg	
124-48-1	Dibromochloromethane	ND	350	69	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	350	140	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	350	110	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	350	90	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	1700	350	ug/kg	
541-73-1	m-Dichlorobenzene	ND	350	69	ug/kg	
95-50-1	o-Dichlorobenzene	ND	350	69	ug/kg	
106-46-7	p-Dichlorobenzene	ND	350	69	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	350	83	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	350	69	ug/kg	
100-41-4	Ethylbenzene	8330	350	69	ug/kg	
97-63-2	Ethyl methacrylate	ND	1700	350	ug/kg	
76-13-1	Freon 113	ND	350	180	ug/kg	
591-78-6	2-Hexanone	ND	1700	350	ug/kg	
87-68-3	Hexachlorobutadiene	ND	350	83	ug/kg	
110-54-3	Hexane	ND	350	170	ug/kg	
98-82-8	Isopropylbenzene	71800 [c]	17000	3800	ug/kg	
99-87-6	p-Isopropyltoluene	ND	350	76	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1700	440	ug/kg	
126-98-7	Methacrylonitrile	ND	1700	380	ug/kg	
74-83-9	Methyl bromide	ND	350	150	ug/kg	
74-87-3	Methyl chloride	ND	350	170	ug/kg	
74-88-4	Methyl iodide	ND	690	140	ug/kg	
80-62-6	Methyl methacrylate	ND	1700	350	ug/kg	
74-95-3	Methylene bromide	ND	350	100	ug/kg	
75-09-2	Methylene chloride	ND	690	350	ug/kg	
78-93-3	Methyl ethyl ketone	ND	1700	570	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	350	100	ug/kg	
91-20-3	Naphthalene	ND	350	140	ug/kg	
76-01-7	Pentachloroethane	ND	1700	350	ug/kg	
107-12-0	Propionitrile	ND	3500	830	ug/kg	
103-65-1	n-Propylbenzene	5610	350	83	ug/kg	
100-42-5	Styrene	ND	350	69	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	350	69	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	350	76	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	350	120	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	350	69	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	350	140	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB59-29		
Lab Sample ID:	F62105-2	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-18-4	1,2,3-Trichloropropane	ND	350	130	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	350	140	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	1210	350	69	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	350	69	ug/kg	
127-18-4	Tetrachloroethylene	ND	350	83	ug/kg	
108-88-3	Toluene	ND	350	69	ug/kg	
79-01-6	Trichloroethylene	ND	350	83	ug/kg	
75-69-4	Trichlorofluoromethane	ND	350	140	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	1700	350	ug/kg	
75-01-4	Vinyl chloride	ND	350	140	ug/kg	
108-05-4	Vinyl Acetate	ND	1700	830	ug/kg	
	m,p-Xylene	ND	690	130	ug/kg	
95-47-6	o-Xylene	ND	350	69	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
1868-53-7	Dibromofluoromethane	94%	28% [a]	104%	80-121%
2037-26-5	Toluene-D8	103%	429% [a]	90%	71-130%
460-00-4	4-Bromofluorobenzene	99%	413% [a]	98%	59-148%
17060-07-0	1,2-Dichloroethane-D4	100%	143% [a]	108%	77-123%

(a) Confirmation run.
(b) Sample re-analyzed beyond hold time; reported results are considered minimum values.
(c) Result is from Run# 3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB59-29		
Lab Sample ID:	F62105-2	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	80.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045409.D	10	12/20/08	AH	12/10/08 10:40	n/a	GQR1972
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.42 g	5.0 ml	25.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	2420	280	140	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	75%		56-136%
98-08-8	aaa-Trifluorotoluene	105% [a]		61-121%
98-08-8	aaa-Trifluorotoluene	122% [b]		61-121%

(a) Result reported from PID.
(b) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB59-29		
Lab Sample ID:	F62105-2	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	80.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24642.D	1	12/19/08	NY	12/12/08	OP27436	GLL918
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.2	mg/kg	
	TPH (> C22-C36)	ND	10	6.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB59-35		
Lab Sample ID:	F62105-3	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0055084.D	1	12/22/08	MM	12/10/08 10:40	n/a	VG2078
Run #2							

	Initial Weight
Run #1	5.45 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	53	27	ug/kg	
75-05-8	Acetonitrile	ND	53	17	ug/kg	
107-02-8	Acrolein	ND	27	10	ug/kg	
107-13-1	Acrylonitrile	ND	27	7.4	ug/kg	
107-05-1	Allyl chloride	ND	27	5.3	ug/kg	
71-43-2	Benzene	6.3	5.3	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.3	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.3	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.3	1.8	ug/kg	
75-27-4	Bromodichloromethane	ND	5.3	1.3	ug/kg	
75-25-2	Bromoform	ND	5.3	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	5.3	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.3	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.3	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.3	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.3	2.1	ug/kg	
67-66-3	Chloroform	ND	5.3	1.8	ug/kg	
544-10-5	1-Chlorohexane	ND	5.3	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.3	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.3	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	27	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.3	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.3	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.3	2.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.3	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.3	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.3	2.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.3	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	17.5	5.3	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.3	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.3	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.3	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB59-35		
Lab Sample ID:	F62105-3	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.3	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.3	2.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.3	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.3	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	27	5.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.3	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.3	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.3	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.3	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.3	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.3	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	27	5.3	ug/kg	
76-13-1	Freon 113	ND	5.3	2.8	ug/kg	
591-78-6	2-Hexanone	ND	27	5.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.3	1.3	ug/kg	
110-54-3	Hexane	ND	5.3	2.6	ug/kg	
98-82-8	Isopropylbenzene	16.0	5.3	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.3	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	27	6.8	ug/kg	
126-98-7	Methacrylonitrile	ND	27	5.9	ug/kg	
74-83-9	Methyl bromide	ND	5.3	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.3	2.6	ug/kg	
74-88-4	Methyl iodide	ND	11	2.1	ug/kg	
80-62-6	Methyl methacrylate	ND	27	5.3	ug/kg	
74-95-3	Methylene bromide	ND	5.3	1.6	ug/kg	
75-09-2	Methylene chloride	ND	11	5.3	ug/kg	
78-93-3	Methyl ethyl ketone	ND	27	8.9	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.3	1.6	ug/kg	
91-20-3	Naphthalene	ND	5.3	2.1	ug/kg	
76-01-7	Pentachloroethane	ND	27	5.3	ug/kg	
107-12-0	Propionitrile	ND	53	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.3	1.3	ug/kg	
100-42-5	Styrene	ND	5.3	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.3	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.3	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.3	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.3	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.3	2.1	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.3	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.3	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB59-35		
Lab Sample ID:	F62105-3	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.3	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.3	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.3	1.3	ug/kg	
108-88-3	Toluene	ND	5.3	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.3	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.3	2.1	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	27	5.3	ug/kg	
75-01-4	Vinyl chloride	ND	5.3	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	27	13	ug/kg	
	m,p-Xylene	ND	11	2.0	ug/kg	
95-47-6	o-Xylene	ND	5.3	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-121%
2037-26-5	Toluene-D8	95%		71-130%
460-00-4	4-Bromofluorobenzene	100%		59-148%
17060-07-0	1,2-Dichloroethane-D4	108%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB59-35		
Lab Sample ID:	F62105-3	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	85.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045400.D	1	12/19/08	AH	12/10/08 10:40	n/a	GQR1972
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.45 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	4.38	6.2	3.1	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	77%		56-136%
98-08-8	aaa-Trifluorotoluene	87%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB59-35		
Lab Sample ID:	F62105-3	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	85.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24643.D	1	12/19/08	NY	12/12/08	OP27436	GLL918
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.6	5.8	mg/kg	
	TPH (> C22-C36)	ND	9.6	5.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	78%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB60-25		
Lab Sample ID:	F62105-4	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	89.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0055082.D	1	12/22/08	MM	12/10/08 10:55	n/a	VG2078
Run #2							

	Initial Weight
Run #1	6.13 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	46	23	ug/kg	
75-05-8	Acetonitrile	ND	46	15	ug/kg	
107-02-8	Acrolein	ND	23	9.0	ug/kg	
107-13-1	Acrylonitrile	ND	23	6.3	ug/kg	
107-05-1	Allyl chloride	ND	23	4.6	ug/kg	
71-43-2	Benzene	ND	4.6	0.91	ug/kg	
100-44-7	Benzyl Chloride	ND	4.6	1.0	ug/kg	
108-86-1	Bromobenzene	ND	4.6	0.91	ug/kg	
74-97-5	Bromochloromethane	ND	4.6	1.6	ug/kg	
75-27-4	Bromodichloromethane	ND	4.6	1.1	ug/kg	
75-25-2	Bromoform	ND	4.6	1.4	ug/kg	
104-51-8	n-Butylbenzene	ND	4.6	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	4.6	1.0	ug/kg	
98-06-6	tert-Butylbenzene	ND	4.6	1.0	ug/kg	
108-90-7	Chlorobenzene	ND	4.6	0.91	ug/kg	
75-00-3	Chloroethane	ND	4.6	1.8	ug/kg	
67-66-3	Chloroform	ND	4.6	1.6	ug/kg	
544-10-5	1-Chlorohexane	ND	4.6	1.2	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.6	0.91	ug/kg	
106-43-4	p-Chlorotoluene	ND	4.6	0.91	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	23	9.1	ug/kg	
75-15-0	Carbon disulfide	ND	4.6	1.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.6	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.6	1.8	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.6	1.2	ug/kg	
563-58-6	1,1-Dichloropropene	ND	4.6	1.3	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.6	2.2	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4.6	0.91	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.6	1.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.6	1.3	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4.6	0.91	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4.6	1.9	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB60-25		
Lab Sample ID:	F62105-4	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	89.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	4.6	0.91	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.6	1.8	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.6	1.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.6	1.2	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	23	4.6	ug/kg	
541-73-1	m-Dichlorobenzene	ND	4.6	0.91	ug/kg	
95-50-1	o-Dichlorobenzene	ND	4.6	0.91	ug/kg	
106-46-7	p-Dichlorobenzene	ND	4.6	0.91	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	4.6	1.1	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.6	0.91	ug/kg	
100-41-4	Ethylbenzene	ND	4.6	0.91	ug/kg	
97-63-2	Ethyl methacrylate	ND	23	4.6	ug/kg	
76-13-1	Freon 113	ND	4.6	2.4	ug/kg	
591-78-6	2-Hexanone	ND	23	4.6	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.6	1.1	ug/kg	
110-54-3	Hexane	ND	4.6	2.2	ug/kg	
98-82-8	Isopropylbenzene	ND	4.6	1.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	4.6	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	23	5.8	ug/kg	
126-98-7	Methacrylonitrile	ND	23	5.0	ug/kg	
74-83-9	Methyl bromide	ND	4.6	2.0	ug/kg	
74-87-3	Methyl chloride	ND	4.6	2.2	ug/kg	
74-88-4	Methyl iodide	ND	9.1	1.8	ug/kg	
80-62-6	Methyl methacrylate	ND	23	4.6	ug/kg	
74-95-3	Methylene bromide	ND	4.6	1.4	ug/kg	
75-09-2	Methylene chloride	ND	9.1	4.6	ug/kg	
78-93-3	Methyl ethyl ketone	ND	23	7.6	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.6	1.4	ug/kg	
91-20-3	Naphthalene	ND	4.6	1.8	ug/kg	
76-01-7	Pentachloroethane	ND	23	4.6	ug/kg	
107-12-0	Propionitrile	ND	46	11	ug/kg	
103-65-1	n-Propylbenzene	ND	4.6	1.1	ug/kg	
100-42-5	Styrene	ND	4.6	0.91	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.6	0.91	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.6	1.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.6	1.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.6	0.91	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.6	1.8	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.6	1.7	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.6	1.8	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB60-25		
Lab Sample ID:	F62105-4	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	89.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	4.6	0.91	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.6	0.91	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.6	1.1	ug/kg	
108-88-3	Toluene	ND	4.6	0.91	ug/kg	
79-01-6	Trichloroethylene	ND	4.6	1.1	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.6	1.8	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	23	4.6	ug/kg	
75-01-4	Vinyl chloride	ND	4.6	1.8	ug/kg	
108-05-4	Vinyl Acetate	ND	23	11	ug/kg	
	m,p-Xylene	ND	9.1	1.7	ug/kg	
95-47-6	o-Xylene	ND	4.6	0.91	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		80-121%
2037-26-5	Toluene-D8	98%		71-130%
460-00-4	4-Bromofluorobenzene	102%		59-148%
17060-07-0	1,2-Dichloroethane-D4	94%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB60-25		
Lab Sample ID:	F62105-4	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	89.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045363.D	1	12/19/08	AH	12/10/08 10:55	n/a	GQR1971
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.07 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.2	2.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	77%		56-136%
98-08-8	aaa-Trifluorotoluene	77%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB60-25		
Lab Sample ID:	F62105-4	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	89.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24646.D	1	12/19/08	NY	12/12/08	OP27436	GLL918
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.2	5.5	mg/kg	
	TPH (> C22-C36)	ND	9.2	5.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	87%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB60-30		
Lab Sample ID:	F62105-5	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0055147.D	1	12/24/08	MM	12/10/08 10:55	n/a	VG2080
Run #2 [a]	G0055164.D	1	12/26/08	MM	12/10/08 10:55	n/a	VG2081

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.80 g	5.0 ml	100 ul
Run #2	5.80 g	5.0 ml	20.0 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3300	1600	ug/kg	
75-05-8	Acetonitrile	ND	3300	1000	ug/kg	
107-02-8	Acrolein	ND	1600	640	ug/kg	
107-13-1	Acrylonitrile	ND	1600	450	ug/kg	
107-05-1	Allyl chloride	ND	1600	330	ug/kg	
71-43-2	Benzene	967	330	65	ug/kg	
100-44-7	Benzyl Chloride	ND	330	72	ug/kg	
108-86-1	Bromobenzene	ND	330	65	ug/kg	
74-97-5	Bromochloromethane	ND	330	110	ug/kg	
75-27-4	Bromodichloromethane	ND	330	78	ug/kg	
75-25-2	Bromoform	ND	330	98	ug/kg	
104-51-8	n-Butylbenzene	ND	330	91	ug/kg	
135-98-8	sec-Butylbenzene	664	330	72	ug/kg	
98-06-6	tert-Butylbenzene	311	330	72	ug/kg	J
108-90-7	Chlorobenzene	ND	330	65	ug/kg	
75-00-3	Chloroethane	ND	330	130	ug/kg	
67-66-3	Chloroform	ND	330	110	ug/kg	
544-10-5	1-Chlorohexane	ND	330	85	ug/kg	
95-49-8	o-Chlorotoluene	ND	330	65	ug/kg	
106-43-4	p-Chlorotoluene	ND	330	65	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1600	650	ug/kg	
75-15-0	Carbon disulfide	ND	330	72	ug/kg	
56-23-5	Carbon tetrachloride	ND	330	91	ug/kg	
75-34-3	1,1-Dichloroethane	ND	330	130	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	330	85	ug/kg	
563-58-6	1,1-Dichloropropene	ND	330	91	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	330	160	ug/kg	
106-93-4	1,2-Dibromoethane	ND	330	65	ug/kg	
107-06-2	1,2-Dichloroethane	ND	330	72	ug/kg	
78-87-5	1,2-Dichloropropane	ND	330	91	ug/kg	
142-28-9	1,3-Dichloropropane	ND	330	65	ug/kg	
594-20-7	2,2-Dichloropropane	ND	330	140	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB60-30		
Lab Sample ID:	F62105-5	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	330	65	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	330	130	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	330	100	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	330	85	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	1600	330	ug/kg	
541-73-1	m-Dichlorobenzene	ND	330	65	ug/kg	
95-50-1	o-Dichlorobenzene	ND	330	65	ug/kg	
106-46-7	p-Dichlorobenzene	ND	330	65	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	330	78	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	330	65	ug/kg	
100-41-4	Ethylbenzene	ND	330	65	ug/kg	
97-63-2	Ethyl methacrylate	ND	1600	330	ug/kg	
76-13-1	Freon 113	ND	330	170	ug/kg	
591-78-6	2-Hexanone	ND	1600	330	ug/kg	
87-68-3	Hexachlorobutadiene	ND	330	78	ug/kg	
110-54-3	Hexane	ND	330	160	ug/kg	
98-82-8	Isopropylbenzene	21400 [b]	1600	360	ug/kg	
99-87-6	p-Isopropyltoluene	ND	330	72	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1600	420	ug/kg	
126-98-7	Methacrylonitrile	ND	1600	360	ug/kg	
74-83-9	Methyl bromide	ND	330	140	ug/kg	
74-87-3	Methyl chloride	ND	330	160	ug/kg	
74-88-4	Methyl iodide	ND	650	130	ug/kg	
80-62-6	Methyl methacrylate	ND	1600	330	ug/kg	
74-95-3	Methylene bromide	ND	330	98	ug/kg	
75-09-2	Methylene chloride [c]	572	650	330	ug/kg	JB
78-93-3	Methyl ethyl ketone	ND	1600	540	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	330	98	ug/kg	
91-20-3	Naphthalene	ND	330	130	ug/kg	
76-01-7	Pentachloroethane	ND	1600	330	ug/kg	
107-12-0	Propionitrile	ND	3300	780	ug/kg	
103-65-1	n-Propylbenzene	551	330	78	ug/kg	
100-42-5	Styrene	ND	330	65	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	330	65	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	330	72	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	330	120	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	330	65	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	330	130	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	330	120	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	330	130	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB60-30		
Lab Sample ID:	F62105-5	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	330	65	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	330	65	ug/kg	
127-18-4	Tetrachloroethylene	ND	330	78	ug/kg	
108-88-3	Toluene	ND	330	65	ug/kg	
79-01-6	Trichloroethylene	ND	330	78	ug/kg	
75-69-4	Trichlorofluoromethane	ND	330	130	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	1600	330	ug/kg	
75-01-4	Vinyl chloride	ND	330	130	ug/kg	
108-05-4	Vinyl Acetate	ND	1600	780	ug/kg	
	m,p-Xylene	ND	650	120	ug/kg	
95-47-6	o-Xylene	ND	330	65	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%	100%	80-121%
2037-26-5	Toluene-D8	94%	92%	71-130%
460-00-4	4-Bromofluorobenzene	99%	97%	59-148%
17060-07-0	1,2-Dichloroethane-D4	106%	109%	77-123%

(a) Sample re-analyzed beyond hold time; reported results are considered minimum values.
(b) Result is from Run# 2
(c) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB60-30		
Lab Sample ID:	F62105-5	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	80.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045410.D	10	12/20/08	AH	12/10/08 10:55	n/a	GQR1972
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.69 g	5.0 ml	50.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	946	130	66	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	104%		56-136%
98-08-8	aaa-Trifluorotoluene	113%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB60-30		
Lab Sample ID:	F62105-5	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	80.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24649.D	1	12/19/08	NY	12/12/08	OP27436	GLL918
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.1	mg/kg	
	TPH (> C22-C36)	ND	10	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	87%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB60-40		
Lab Sample ID:	F62105-6	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0055087.D	1	12/22/08	MM	12/10/08 10:55	n/a	VG2078
Run #2 [a]	G0055148.D	1	12/24/08	MM	12/10/08 10:55	n/a	VG2080

	Initial Weight
Run #1	5.95 g
Run #2	5.85 g

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	52	26	ug/kg	
75-05-8	Acetonitrile	ND	52	17	ug/kg	
107-02-8	Acrolein	ND	26	10	ug/kg	
107-13-1	Acrylonitrile	ND	26	7.2	ug/kg	
107-05-1	Allyl chloride	ND	26	5.2	ug/kg	
71-43-2	Benzene	15.4 [b]	5.3	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.2	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.2	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.2	1.8	ug/kg	
75-27-4	Bromodichloromethane	ND	5.2	1.3	ug/kg	
75-25-2	Bromoform	ND	5.2	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	5.2	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.2	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.2	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.2	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.2	2.1	ug/kg	
67-66-3	Chloroform	ND	5.2	1.8	ug/kg	
544-10-5	1-Chlorohexane	ND	5.2	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.2	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.2	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	26	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.2	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.2	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.2	2.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.2	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.2	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.2	2.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.2	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	5.5 [b]	5.3	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.2	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.2	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.2	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB60-40		
Lab Sample ID:	F62105-6	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.2	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.2	2.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.2	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.2	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	26	5.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.2	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.2	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.2	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.2	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.2	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.2	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	26	5.2	ug/kg	
76-13-1	Freon 113	ND	5.2	2.7	ug/kg	
591-78-6	2-Hexanone	ND	26	5.2	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.2	1.3	ug/kg	
110-54-3	Hexane	ND	5.2	2.5	ug/kg	
98-82-8	Isopropylbenzene	2.2 [b]	5.3	1.2	ug/kg	J
99-87-6	p-Isopropyltoluene	ND	5.2	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	26	6.7	ug/kg	
126-98-7	Methacrylonitrile	ND	26	5.8	ug/kg	
74-83-9	Methyl bromide	ND	5.2	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.2	2.5	ug/kg	
74-88-4	Methyl iodide	ND	10	2.1	ug/kg	
80-62-6	Methyl methacrylate	ND	26	5.2	ug/kg	
74-95-3	Methylene bromide	ND	5.2	1.6	ug/kg	
75-09-2	Methylene chloride	6.6	10	5.2	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	26	8.7	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.2	1.6	ug/kg	
91-20-3	Naphthalene	ND	5.2	2.1	ug/kg	
76-01-7	Pentachloroethane	ND	26	5.2	ug/kg	
107-12-0	Propionitrile	ND	52	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.2	1.3	ug/kg	
100-42-5	Styrene	ND	5.2	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.2	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.2	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.2	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.2	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.2	2.1	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.2	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.2	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB60-40		
Lab Sample ID:	F62105-6	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	80.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.2	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.2	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.2	1.3	ug/kg	
108-88-3	Toluene	ND	5.2	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.2	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.2	2.1	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	26	5.2	ug/kg	
75-01-4	Vinyl chloride	ND	5.2	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	26	13	ug/kg	
	m,p-Xylene	ND	10	2.0	ug/kg	
95-47-6	o-Xylene	ND	5.2	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%	101%	80-121%
2037-26-5	Toluene-D8	97%	93%	71-130%
460-00-4	4-Bromofluorobenzene	98%	96%	59-148%
17060-07-0	1,2-Dichloroethane-D4	96%	114%	77-123%

(a) Sample re-analyzed beyond hold time; reported results are considered minimum values.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB60-40		
Lab Sample ID:	F62105-6	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	80.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045367.D	1	12/19/08	AH	12/10/08 10:55	n/a	GQR1971
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.74 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.7	3.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%		56-136%
98-08-8	aaa-Trifluorotoluene	82%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB60-40		
Lab Sample ID:	F62105-6	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	80.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24650.D	1	12/19/08	NY	12/12/08	OP27436	GLL918
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.1	mg/kg	
	TPH (> C22-C36)	ND	10	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	86%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB60-30-a		
Lab Sample ID:	F62105-7	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	77.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0055088.D	1	12/22/08	MM	12/10/08 10:55	n/a	VG2078
Run #2	G0055165.D	1	12/26/08	MM	12/10/08 10:55	n/a	VG2081
Run #3 [a]	G0055215.D	1	12/27/08	MM	12/10/08 10:55	n/a	VG2082

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.18 g		
Run #2	5.83 g	5.0 ml	100 ul
Run #3	5.83 g	5.0 ml	20.0 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	63	31	ug/kg	
75-05-8	Acetonitrile	ND	63	20	ug/kg	
107-02-8	Acrolein	ND	31	12	ug/kg	
107-13-1	Acrylonitrile	ND	31	8.6	ug/kg	
107-05-1	Allyl chloride	ND	31	6.3	ug/kg	
71-43-2	Benzene	138 [b]	350	71	ug/kg	J
100-44-7	Benzyl Chloride	ND	6.3	1.4	ug/kg	
108-86-1	Bromobenzene	ND	6.3	1.3	ug/kg	
74-97-5	Bromochloromethane	ND	6.3	2.1	ug/kg	
75-27-4	Bromodichloromethane	ND	6.3	1.5	ug/kg	
75-25-2	Bromoform	ND	6.3	1.9	ug/kg	
104-51-8	n-Butylbenzene	5.1	6.3	1.8	ug/kg	J
135-98-8	sec-Butylbenzene	1080 [b]	350	78	ug/kg	
98-06-6	tert-Butylbenzene	471 [b]	350	78	ug/kg	
108-90-7	Chlorobenzene	ND	6.3	1.3	ug/kg	
75-00-3	Chloroethane	ND	6.3	2.5	ug/kg	
67-66-3	Chloroform	ND	6.3	2.1	ug/kg	
544-10-5	1-Chlorohexane	ND	6.3	1.6	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.3	1.3	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.3	1.3	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	31	13	ug/kg	
75-15-0	Carbon disulfide	4.5	6.3	1.4	ug/kg	J
56-23-5	Carbon tetrachloride	ND	6.3	1.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.3	2.5	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.3	1.6	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.3	1.8	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.3	3.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.3	1.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.3	1.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.3	1.8	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB60-30-a		
Lab Sample ID:	F62105-7	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	77.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	6.3	1.3	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.3	2.6	ug/kg	
124-48-1	Dibromochloromethane	ND	6.3	1.3	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.3	2.5	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.3	2.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.3	1.6	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	31	6.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.3	1.3	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.3	1.3	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.3	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.3	1.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.3	1.3	ug/kg	
100-41-4	Ethylbenzene	1100 [b]	350	71	ug/kg	
97-63-2	Ethyl methacrylate	ND	31	6.3	ug/kg	
76-13-1	Freon 113	ND	6.3	3.3	ug/kg	
591-78-6	2-Hexanone	ND	31	6.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.3	1.5	ug/kg	
110-54-3	Hexane	ND	6.3	3.0	ug/kg	
98-82-8	Isopropylbenzene	28700 [c]	1800	390	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.3	1.4	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	31	8.0	ug/kg	
126-98-7	Methacrylonitrile	ND	31	6.9	ug/kg	
74-83-9	Methyl bromide	ND	6.3	2.8	ug/kg	
74-87-3	Methyl chloride	ND	6.3	3.0	ug/kg	
74-88-4	Methyl iodide	ND	13	2.5	ug/kg	
80-62-6	Methyl methacrylate	ND	31	6.3	ug/kg	
74-95-3	Methylene bromide	ND	6.3	1.9	ug/kg	
75-09-2	Methylene chloride	ND	13	6.3	ug/kg	
78-93-3	Methyl ethyl ketone	ND	31	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.3	1.9	ug/kg	
91-20-3	Naphthalene	ND	6.3	2.5	ug/kg	
76-01-7	Pentachloroethane	ND	31	6.3	ug/kg	
107-12-0	Propionitrile	ND	63	15	ug/kg	
103-65-1	n-Propylbenzene	1010 [b]	350	85	ug/kg	
100-42-5	Styrene	ND	6.3	1.3	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.3	1.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.3	1.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.3	2.3	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.3	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.3	2.5	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB60-30-a		
Lab Sample ID:	F62105-7	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8260B SW846 5035	**Percent Solids:**	77.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
96-18-4	1,2,3-Trichloropropane	ND	6.3	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.3	2.5	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.3	1.3	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.3	1.3	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.3	1.5	ug/kg	
108-88-3	Toluene	ND	6.3	1.3	ug/kg	
79-01-6	Trichloroethylene	ND	6.3	1.5	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.3	2.5	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	31	6.3	ug/kg	
75-01-4	Vinyl chloride	ND	6.3	2.5	ug/kg	
108-05-4	Vinyl Acetate	ND	31	15	ug/kg	
	m,p-Xylene	ND	13	2.4	ug/kg	
95-47-6	o-Xylene	ND	6.3	1.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
1868-53-7	Dibromofluoromethane	96%	95%	102%	80-121%
2037-26-5	Toluene-D8	98%	95%	91%	71-130%
460-00-4	4-Bromofluorobenzene	102%	101%	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	101%	110%	110%	77-123%

(a) Sample re-analyzed beyond hold time; reported results are considered minimum values.
(b) Result is from Run# 2
(c) Result is from Run# 3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB60-30-a		
Lab Sample ID:	F62105-7	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8015 SW846 5035	**Percent Solids:**	77.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045411.D	10	12/20/08	AH	12/10/08 10:55	n/a	GQR1972
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.89 g	5.0 ml	25.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1390	280	140	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	84%		56-136%
98-08-8	aaa-Trifluorotoluene	102%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB60-30-a		
Lab Sample ID:	F62105-7	**Date Sampled:**	12/08/08
Matrix:	SO - Soil	**Date Received:**	12/10/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	77.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24651.D	1	12/19/08	NY	12/12/08	OP27436	GLL918
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	11	6.5	mg/kg	
	TPH (> C22-C36)	ND	11	6.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	83%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F62105-8	**Date Sampled:**	12/08/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/10/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0055089.D	1	12/22/08	MM	n/a	n/a	VG2078
Run #2 [a]	G0055150.D	1	12/24/08	MM	n/a	n/a	VG2080

	Initial Weight
Run #1	5.00 g
Run #2	5.00 g

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND [b]	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F62105-8	**Date Sampled:**	12/08/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/10/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND [b]	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	6.7	10	5.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F62105-8	**Date Sampled:**	12/08/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/10/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%	97%	80-121%
2037-26-5	Toluene-D8	99%	97%	71-130%
460-00-4	4-Bromofluorobenzene	99%	101%	59-148%
17060-07-0	1,2-Dichloroethane-D4	98%	104%	77-123%

(a) Sample re-analyzed beyond hold time; reported results are considered minimum values.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

F62105

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number [1]: 12-09-2008-1

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Zack Beck / Greg Kinsman

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)					Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
									Sample Analysis Requested [5]									Quality Assurance Samples [6]			
1	SS61-SB59-25	SS61-SB59	08-Dec-2008	1050	23 - 25	N	01	SO	5	X	X	X									1
2	SS61-SB59-29	SS61-SB59	08-Dec-2008	1100	27 - 29	N	01	SO	5	X	X	X									1
3	SS61-SB59-35	SS61-SB59	08-Dec-2008	1110	33 - 35	N	01	SO	5	X	X	X									1
4	SS61-SB60-25	SS61-SB60	08-Dec-2008	1315	23 - 25	N	01	SO	5	X	X	X									1
4	SS61-SB60-25-MS	SS61-SB60	08-Dec-2008	1315	23 - 25	MS	01	SO	5	X	X	X									1
4	SS61-SB60-25-MSD	SS61-SB60	08-Dec-2008	1315	23 - 25	SD	01	SO	5	X	X	X									1
5	SS61-SB60-30	SS61-SB60	08-Dec-2008	1330	28 - 30	N	01	SO	5	X	X	X									1
6	SS61-SB60-40	SS61-SB60	08-Dec-2008	1345	38 - 40	N	01	SO	5	X	X	X									1
7	SS61-SB60-30-a	SS61-SB60	08-Dec-2008	1330	28 - 30	FD	01	SO	5	X	X	X									1
8	Trip Blank				-	TB		WQ	3	X											1
					-																

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1.		12/09/08	1400			
2.		12/10/08	9:30		12/10/08	9:30
3.						

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: Shipped No.:

Method of Shipment: Airbill Number:

Analytical Lab: Accutest Laboratories Delivery Location:

Lab Recipient: Delivery Date/Time:

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

7 7

F62105: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F62105 CLIENT: BHATE PROJECT: SS-61

DATE/TIME RECEIVED: 12/10/08 9:30 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.2

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8683 0096 6748

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [X] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 36

NUMBER OF 5035 FIELD KITS ? 1 TB

NUMBER OF LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE: 12/10/08 TECHNICIAN SIGNATURE/DATE: 12-10-08

ASBD 12/17/07

F62105: Chain of Custody

Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2078-MB	G0055076.D	1	12/22/08	MM	n/a	n/a	VG2078

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62105-1, F62105-2, F62105-3, F62105-4, F62105-6, F62105-7, F62105-8

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2078-MB	G0055076.D	1	12/22/08	MM	n/a	n/a	VG2078

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62105-1, F62105-2, F62105-3, F62105-4, F62105-6, F62105-7, F62105-8

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2078-MB	G0055076.D	1	12/22/08	MM	n/a	n/a	VG2078

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62105-1, F62105-2, F62105-3, F62105-4, F62105-6, F62105-7, F62105-8

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	80-121%
2037-26-5	Toluene-D8	96%	71-130%
460-00-4	4-Bromofluorobenzene	100%	59-148%
17060-07-0	1,2-Dichloroethane-D4	104%	77-123%

Method Blank Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2080-MB	G0055131.D	1	12/24/08	MM	n/a	n/a	VG2080

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62105-5, F62105-6, F62105-8

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2080-MB	G0055131.D	1	12/24/08	MM	n/a	n/a	VG2080

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62105-5, F62105-6, F62105-8

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	7.6	10	5.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2080-MB	G0055131.D	1	12/24/08	MM	n/a	n/a	VG2080

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62105-5, F62105-6, F62105-8

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	80-121%
2037-26-5	Toluene-D8	93%	71-130%
460-00-4	4-Bromofluorobenzene	102%	59-148%
17060-07-0	1,2-Dichloroethane-D4	106%	77-123%

Method Blank Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2081-MB	G0055161.D	1	12/26/08	MM	n/a	n/a	VG2081

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62105-5, F62105-7

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	106%	80-121%
2037-26-5	Toluene-D8	91%	71-130%
460-00-4	4-Bromofluorobenzene	96%	59-148%
17060-07-0	1,2-Dichloroethane-D4	113%	77-123%

Method Blank Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2082-MB	G0055192.D	1	12/27/08	MM	n/a	n/a	VG2082

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62105-2, F62105-7

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2082-MB	G0055192.D	1	12/27/08	MM	n/a	n/a	VG2082

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62105-2, F62105-7

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2082-MB	G0055192.D	1	12/27/08	MM	n/a	n/a	VG2082

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62105-2, F62105-7

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	80-121%
2037-26-5	Toluene-D8	93%	71-130%
460-00-4	4-Bromofluorobenzene	102%	59-148%
17060-07-0	1,2-Dichloroethane-D4	110%	77-123%

Method Blank Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2083-MB	G0055222.D	1	12/29/08	MM	n/a	n/a	VG2083

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62105-2

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	103%	80-121%
2037-26-5	Toluene-D8	91%	71-130%
460-00-4	4-Bromofluorobenzene	98%	59-148%
17060-07-0	1,2-Dichloroethane-D4	112%	77-123%

Blank Spike Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2078-BS	G0055077.D	1	12/22/08	MM	n/a	n/a	VG2078

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62105-1, F62105-2, F62105-3, F62105-4, F62105-6, F62105-7, F62105-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	128	51*	61-144
75-05-8	Acetonitrile	500	437	87	59-139
107-02-8	Acrolein	250	61.6	25*	27-156
107-13-1	Acrylonitrile	250	241	96	55-144
107-05-1	Allyl chloride	50	75.0	150	41-152
71-43-2	Benzene	50	54.9	110	78-130
100-44-7	Benzyl Chloride	50	46.0	92	74-130
108-86-1	Bromobenzene	50	54.7	109	78-123
74-97-5	Bromochloromethane	50	46.4	93	72-122
75-27-4	Bromodichloromethane	50	48.4	97	73-122
75-25-2	Bromoform	50	43.0	86	70-139
104-51-8	n-Butylbenzene	50	57.4	115	80-138
135-98-8	sec-Butylbenzene	50	57.6	115	82-132
98-06-6	tert-Butylbenzene	50	56.1	112	79-130
108-90-7	Chlorobenzene	50	51.5	103	83-122
75-00-3	Chloroethane	50	30.8	62	61-153
67-66-3	Chloroform	50	54.6	109	79-129
544-10-5	1-Chlorohexane	50	58.8	118	85-137
95-49-8	o-Chlorotoluene	50	54.2	108	77-123
106-43-4	p-Chlorotoluene	50	56.1	112	78-129
110-75-8	2-Chloroethyl vinyl ether	250	319	128	52-142
75-15-0	Carbon disulfide	50	49.2	98	61-142
56-23-5	Carbon tetrachloride	50	50.3	101	79-135
75-34-3	1,1-Dichloroethane	50	55.9	112	77-132
75-35-4	1,1-Dichloroethylene	50	55.9	112	66-132
563-58-6	1,1-Dichloropropene	50	55.2	110	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	48.3	97	67-129
106-93-4	1,2-Dibromoethane	50	45.7	91	77-126
107-06-2	1,2-Dichloroethane	50	48.4	97	78-129
78-87-5	1,2-Dichloropropane	50	50.9	102	74-127
142-28-9	1,3-Dichloropropane	50	47.3	95	78-118
594-20-7	2,2-Dichloropropane	50	54.2	108	80-137
124-48-1	Dibromochloromethane	50	47.7	95	78-117
75-71-8	Dichlorodifluoromethane	50	25.1	50	35-162
156-59-2	cis-1,2-Dichloroethylene	50	49.6	99	74-123
10061-01-5	cis-1,3-Dichloropropene	50	50.6	101	79-130

Blank Spike Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2078-BS	G0055077.D	1	12/22/08	MM	n/a	n/a	VG2078

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62105-1, F62105-2, F62105-3, F62105-4, F62105-6, F62105-7, F62105-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	50.1	100	71-126
541-73-1	m-Dichlorobenzene	50	53.5	107	82-126
95-50-1	o-Dichlorobenzene	50	51.7	103	83-123
106-46-7	p-Dichlorobenzene	50	53.8	108	84-124
156-60-5	trans-1,2-Dichloroethylene	50	55.1	110	77-129
10061-02-6	trans-1,3-Dichloropropene	50	54.5	109	87-131
100-41-4	Ethylbenzene	50	53.1	106	82-124
97-63-2	Ethyl methacrylate	50	49.5	99	78-118
76-13-1	Freon 113	50	55.6	111	62-147
591-78-6	2-Hexanone	250	192	77	67-130
87-68-3	Hexachlorobutadiene	50	55.0	110	77-150
110-54-3	Hexane	50	59.9	120	65-147
98-82-8	Isopropylbenzene	50	56.4	113	82-133
99-87-6	p-Isopropyltoluene	50	57.2	114	82-132
108-10-1	4-Methyl-2-pentanone	250	217	87	69-125
126-98-7	Methacrylonitrile	500	447	89	70-138
74-83-9	Methyl bromide	50	39.4	79	60-146
74-87-3	Methyl chloride	50	33.9	68	58-163
74-88-4	Methyl iodide	50	44.2	88	66-128
80-62-6	Methyl methacrylate	50	47.7	95	73-125
74-95-3	Methylene bromide	50	48.9	98	75-128
75-09-2	Methylene chloride	50	59.7	119	62-140
78-93-3	Methyl ethyl ketone	250	176	70	66-134
1634-04-4	Methyl Tert Butyl Ether	50	46.0	92	70-131
91-20-3	Naphthalene	50	48.2	96	59-143
76-01-7	Pentachloroethane	50	59.4	119	64-156
107-12-0	Propionitrile	500	424	85	73-133
103-65-1	n-Propylbenzene	50	57.1	114	78-129
100-42-5	Styrene	50	53.7	107	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	49.4	99	81-121
71-55-6	1,1,1-Trichloroethane	50	54.9	110	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	47.4	95	70-128
79-00-5	1,1,2-Trichloroethane	50	46.2	92	76-118
87-61-6	1,2,3-Trichlorobenzene	50	52.5	105	78-136
96-18-4	1,2,3-Trichloropropane	50	41.3	83	74-125
120-82-1	1,2,4-Trichlorobenzene	50	53.8	108	82-137

Blank Spike Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2078-BS	G0055077.D	1	12/22/08	MM	n/a	n/a	VG2078

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62105-1, F62105-2, F62105-3, F62105-4, F62105-6, F62105-7, F62105-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	56.2	112	77-129
108-67-8	1,3,5-Trimethylbenzene	50	56.8	114	79-129
127-18-4	Tetrachloroethylene	50	56.2	112	79-132
108-88-3	Toluene	50	54.0	108	80-123
79-01-6	Trichloroethylene	50	55.6	111	78-132
75-69-4	Trichlorofluoromethane	50	34.7	69	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	95.6	191*	74-138
75-01-4	Vinyl chloride	50	31.5	63	60-145
108-05-4	Vinyl Acetate	250	227	91	25-164
	m,p-Xylene	100	110	110	82-128
95-47-6	o-Xylene	50	52.5	105	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	80-121%
2037-26-5	Toluene-D8	99%	71-130%
460-00-4	4-Bromofluorobenzene	103%	59-148%
17060-07-0	1,2-Dichloroethane-D4	99%	77-123%

Blank Spike Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2080-BS	G0055130.D	1	12/24/08	MM	n/a	n/a	VG2080

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62105-5, F62105-6, F62105-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	105	42*	61-144
75-05-8	Acetonitrile	500	331	66	59-139
107-02-8	Acrolein	250	73.9	30	27-156
107-13-1	Acrylonitrile	250	183	73	55-144
107-05-1	Allyl chloride	50	50.6	101	41-152
71-43-2	Benzene	50	55.9	112	78-130
100-44-7	Benzyl Chloride	50	34.8	70*	74-130
108-86-1	Bromobenzene	50	52.9	106	78-123
74-97-5	Bromochloromethane	50	44.1	88	72-122
75-27-4	Bromodichloromethane	50	44.6	89	73-122
75-25-2	Bromoform	50	34.4	69*	70-139
104-51-8	n-Butylbenzene	50	60.4	121	80-138
135-98-8	sec-Butylbenzene	50	60.1	120	82-132
98-06-6	tert-Butylbenzene	50	60.9	122	79-130
108-90-7	Chlorobenzene	50	54.5	109	83-122
75-00-3	Chloroethane	50	51.2	102	61-153
67-66-3	Chloroform	50	54.6	109	79-129
544-10-5	1-Chlorohexane	50	59.9	120	85-137
95-49-8	o-Chlorotoluene	50	56.0	112	77-123
106-43-4	p-Chlorotoluene	50	58.3	117	78-129
110-75-8	2-Chloroethyl vinyl ether	250	239	96	52-142
75-15-0	Carbon disulfide	50	51.9	104	61-142
56-23-5	Carbon tetrachloride	50	59.1	118	79-135
75-34-3	1,1-Dichloroethane	50	57.5	115	77-132
75-35-4	1,1-Dichloroethylene	50	58.5	117	66-132
563-58-6	1,1-Dichloropropene	50	57.1	114	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	33.0	66*	67-129
106-93-4	1,2-Dibromoethane	50	37.4	75*	77-126
107-06-2	1,2-Dichloroethane	50	45.1	90	78-129
78-87-5	1,2-Dichloropropane	50	50.5	101	74-127
142-28-9	1,3-Dichloropropane	50	41.4	83	78-118
594-20-7	2,2-Dichloropropane	50	54.3	109	80-137
124-48-1	Dibromochloromethane	50	41.4	83	78-117
75-71-8	Dichlorodifluoromethane	50	53.3	107	35-162
156-59-2	cis-1,2-Dichloroethylene	50	51.6	103	74-123
10061-01-5	cis-1,3-Dichloropropene	50	47.9	96	79-130

Blank Spike Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2080-BS	G0055130.D	1	12/24/08	MM	n/a	n/a	VG2080

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62105-5, F62105-6, F62105-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	37.5	75	71-126
541-73-1	m-Dichlorobenzene	50	57.3	115	82-126
95-50-1	o-Dichlorobenzene	50	52.0	104	83-123
106-46-7	p-Dichlorobenzene	50	55.1	110	84-124
156-60-5	trans-1,2-Dichloroethylene	50	57.6	115	77-129
10061-02-6	trans-1,3-Dichloropropene	50	47.1	94	87-131
100-41-4	Ethylbenzene	50	55.0	110	82-124
97-63-2	Ethyl methacrylate	50	35.4	71*	78-118
76-13-1	Freon 113	50	58.5	117	62-147
591-78-6	2-Hexanone	250	130	52*	67-130
87-68-3	Hexachlorobutadiene	50	66.4	133	77-150
110-54-3	Hexane	50	66.3	133	65-147
98-82-8	Isopropylbenzene	50	56.9	114	82-133
99-87-6	p-Isopropyltoluene	50	61.9	124	82-132
108-10-1	4-Methyl-2-pentanone	250	157	63*	69-125
126-98-7	Methacrylonitrile	500	361	72	70-138
74-83-9	Methyl bromide	50	57.6	115	60-146
74-87-3	Methyl chloride	50	53.2	106	58-163
74-88-4	Methyl iodide	50	47.3	95	66-128
80-62-6	Methyl methacrylate	50	36.2	72*	73-125
74-95-3	Methylene bromide	50	43.9	88	75-128
75-09-2	Methylene chloride	50	52.8	106	62-140
78-93-3	Methyl ethyl ketone	250	129	52*	66-134
1634-04-4	Methyl Tert Butyl Ether	50	38.3	77	70-131
91-20-3	Naphthalene	50	37.1	74	59-143
76-01-7	Pentachloroethane	50	59.2	118	64-156
107-12-0	Propionitrile	500	345	69*	73-133
103-65-1	n-Propylbenzene	50	59.9	120	78-129
100-42-5	Styrene	50	51.1	102	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	48.5	97	81-121
71-55-6	1,1,1-Trichloroethane	50	56.9	114	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	36.9	74	70-128
79-00-5	1,1,2-Trichloroethane	50	40.7	81	76-118
87-61-6	1,2,3-Trichlorobenzene	50	50.0	100	78-136
96-18-4	1,2,3-Trichloropropane	50	36.5	73*	74-125
120-82-1	1,2,4-Trichlorobenzene	50	54.3	109	82-137

Blank Spike Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2080-BS	G0055130.D	1	12/24/08	MM	n/a	n/a	VG2080

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62105-5, F62105-6, F62105-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	57.4	115	77-129
108-67-8	1,3,5-Trimethylbenzene	50	59.4	119	79-129
127-18-4	Tetrachloroethylene	50	58.2	116	79-132
108-88-3	Toluene	50	55.1	110	80-123
79-01-6	Trichloroethylene	50	57.1	114	78-132
75-69-4	Trichlorofluoromethane	50	55.5	111	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	77.3	155*	74-138
75-01-4	Vinyl chloride	50	50.9	102	60-145
108-05-4	Vinyl Acetate	250	168	67	25-164
	m,p-Xylene	100	113	113	82-128
95-47-6	o-Xylene	50	52.9	106	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	95%	80-121%
2037-26-5	Toluene-D8	98%	71-130%
460-00-4	4-Bromofluorobenzene	101%	59-148%
17060-07-0	1,2-Dichloroethane-D4	84%	77-123%

Blank Spike Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2080-BS	G0055146.D	1	12/24/08	MM	n/a	n/a	VG2080

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62105-5, F62105-6, F62105-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	131	52*	61-144
75-05-8	Acetonitrile	500	340	68	59-139
107-02-8	Acrolein	250	46.0	18*	27-156
107-13-1	Acrylonitrile	250	244	98	55-144
107-05-1	Allyl chloride	50	48.6	97	41-152
71-43-2	Benzene	50	53.4	107	78-130
100-44-7	Benzyl Chloride	50	40.3	81	74-130
108-86-1	Bromobenzene	50	51.4	103	78-123
74-97-5	Bromochloromethane	50	46.2	92	72-122
75-27-4	Bromodichloromethane	50	48.0	96	73-122
75-25-2	Bromoform	50	39.2	78	70-139
104-51-8	n-Butylbenzene	50	52.2	104	80-138
135-98-8	sec-Butylbenzene	50	53.0	106	82-132
98-06-6	tert-Butylbenzene	50	53.6	107	79-130
108-90-7	Chlorobenzene	50	49.6	99	83-122
75-00-3	Chloroethane	50	47.6	95	61-153
67-66-3	Chloroform	50	53.4	107	79-129
544-10-5	1-Chlorohexane	50	56.1	112	85-137
95-49-8	o-Chlorotoluene	50	50.8	102	77-123
106-43-4	p-Chlorotoluene	50	50.8	102	78-129
110-75-8	2-Chloroethyl vinyl ether	250	303	121	52-142
75-15-0	Carbon disulfide	50	49.5	99	61-142
56-23-5	Carbon tetrachloride	50	57.4	115	79-135
75-34-3	1,1-Dichloroethane	50	54.8	110	77-132
75-35-4	1,1-Dichloroethylene	50	58.9	118	66-132
563-58-6	1,1-Dichloropropene	50	55.9	112	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	39.4	79	67-129
106-93-4	1,2-Dibromoethane	50	41.1	82	77-126
107-06-2	1,2-Dichloroethane	50	47.1	94	78-129
78-87-5	1,2-Dichloropropane	50	49.1	98	74-127
142-28-9	1,3-Dichloropropane	50	44.2	88	78-118
594-20-7	2,2-Dichloropropane	50	55.5	111	80-137
124-48-1	Dibromochloromethane	50	43.5	87	78-117
75-71-8	Dichlorodifluoromethane	50	58.3	117	35-162
156-59-2	cis-1,2-Dichloroethylene	50	49.5	99	74-123
10061-01-5	cis-1,3-Dichloropropene	50	49.7	99	79-130

Blank Spike Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2080-BS	G0055146.D	1	12/24/08	MM	n/a	n/a	VG2080

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62105-5, F62105-6, F62105-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	44.4	89	71-126
541-73-1	m-Dichlorobenzene	50	52.0	104	82-126
95-50-1	o-Dichlorobenzene	50	50.4	101	83-123
106-46-7	p-Dichlorobenzene	50	52.5	105	84-124
156-60-5	trans-1,2-Dichloroethylene	50	57.0	114	77-129
10061-02-6	trans-1,3-Dichloropropene	50	49.0	98	87-131
100-41-4	Ethylbenzene	50	51.1	102	82-124
97-63-2	Ethyl methacrylate	50	40.9	82	78-118
76-13-1	Freon 113	50	56.6	113	62-147
591-78-6	2-Hexanone	250	175	70	67-130
87-68-3	Hexachlorobutadiene	50	59.5	119	77-150
110-54-3	Hexane	50	69.1	138	65-147
98-82-8	Isopropylbenzene	50	51.8	104	82-133
99-87-6	p-Isopropyltoluene	50	53.3	107	82-132
108-10-1	4-Methyl-2-pentanone	250	196	78	69-125
126-98-7	Methacrylonitrile	500	426	85	70-138
74-83-9	Methyl bromide	50	54.5	109	60-146
74-87-3	Methyl chloride	50	52.1	104	58-163
74-88-4	Methyl iodide	50	46.4	93	66-128
80-62-6	Methyl methacrylate	50	44.2	88	73-125
74-95-3	Methylene bromide	50	47.7	95	75-128
75-09-2	Methylene chloride	50	50.8	102	62-140
78-93-3	Methyl ethyl ketone	250	167	67	66-134
1634-04-4	Methyl Tert Butyl Ether	50	44.2	88	70-131
91-20-3	Naphthalene	50	44.4	89	59-143
76-01-7	Pentachloroethane	50	54.6	109	64-156
107-12-0	Propionitrile	500	424	85	73-133
103-65-1	n-Propylbenzene	50	53.2	106	78-129
100-42-5	Styrene	50	49.7	99	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	46.5	93	81-121
71-55-6	1,1,1-Trichloroethane	50	55.0	110	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	43.1	86	70-128
79-00-5	1,1,2-Trichloroethane	50	43.3	87	76-118
87-61-6	1,2,3-Trichlorobenzene	50	49.3	99	78-136
96-18-4	1,2,3-Trichloropropane	50	36.5	73*	74-125
120-82-1	1,2,4-Trichlorobenzene	50	51.9	104	82-137

Blank Spike Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2080-BS	G0055146.D	1	12/24/08	MM	n/a	n/a	VG2080

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62105-5, F62105-6, F62105-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	52.1	104	77-129
108-67-8	1,3,5-Trimethylbenzene	50	51.4	103	79-129
127-18-4	Tetrachloroethylene	50	55.9	112	79-132
108-88-3	Toluene	50	50.4	101	80-123
79-01-6	Trichloroethylene	50	55.6	111	78-132
75-69-4	Trichlorofluoromethane	50	55.8	112	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	88.8	178*	74-138
75-01-4	Vinyl chloride	50	50.3	101	60-145
108-05-4	Vinyl Acetate	250	217	87	25-164
	m,p-Xylene	100	104	104	82-128
95-47-6	o-Xylene	50	51.0	102	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	80-121%
2037-26-5	Toluene-D8	94%	71-130%
460-00-4	4-Bromofluorobenzene	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	103%	77-123%

Blank Spike Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2081-BS	G0055160.D	1	12/26/08	MM	n/a	n/a	VG2081

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62105-5, F62105-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	52.0	104	78-130
135-98-8	sec-Butylbenzene	50	50.3	101	82-132
98-06-6	tert-Butylbenzene	50	51.2	102	79-130
100-41-4	Ethylbenzene	50	48.4	97	82-124
98-82-8	Isopropylbenzene	50	49.3	99	82-133
103-65-1	n-Propylbenzene	50	51.2	102	78-129

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	104%	80-121%
2037-26-5	Toluene-D8	94%	71-130%
460-00-4	4-Bromofluorobenzene	102%	59-148%
17060-07-0	1,2-Dichloroethane-D4	103%	77-123%

Blank Spike Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2082-BS	G0055191.D	1	12/27/08	MM	n/a	n/a	VG2082

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62105-2, F62105-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	154	62	61-144
75-05-8	Acetonitrile	500	477	95	59-139
107-02-8	Acrolein	250	309	124	27-156
107-13-1	Acrylonitrile	250	226	90	55-144
107-05-1	Allyl chloride	50	49.8	100	41-152
71-43-2	Benzene	50	61.5	123	78-130
100-44-7	Benzyl Chloride	50	45.1	90	74-130
108-86-1	Bromobenzene	50	56.6	113	78-123
74-97-5	Bromochloromethane	50	49.1	98	72-122
75-27-4	Bromodichloromethane	50	51.9	104	73-122
75-25-2	Bromoform	50	47.6	95	70-139
104-51-8	n-Butylbenzene	50	61.5	123	80-138
135-98-8	sec-Butylbenzene	50	60.3	121	82-132
98-06-6	tert-Butylbenzene	50	60.0	120	79-130
108-90-7	Chlorobenzene	50	59.0	118	83-122
75-00-3	Chloroethane	50	52.3	105	61-153
67-66-3	Chloroform	50	60.2	120	79-129
544-10-5	1-Chlorohexane	50	66.3	133	85-137
95-49-8	o-Chlorotoluene	50	57.5	115	77-123
106-43-4	p-Chlorotoluene	50	58.1	116	78-129
110-75-8	2-Chloroethyl vinyl ether	250	302	121	52-142
75-15-0	Carbon disulfide	50	56.0	112	61-142
56-23-5	Carbon tetrachloride	50	49.0	98	79-135
75-34-3	1,1-Dichloroethane	50	62.2	124	77-132
75-35-4	1,1-Dichloroethylene	50	61.2	122	66-132
563-58-6	1,1-Dichloropropene	50	63.7	127	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	43.3	87	67-129
106-93-4	1,2-Dibromoethane	50	48.2	96	77-126
107-06-2	1,2-Dichloroethane	50	53.5	107	78-129
78-87-5	1,2-Dichloropropane	50	53.6	107	74-127
142-28-9	1,3-Dichloropropane	50	50.5	101	78-118
594-20-7	2,2-Dichloropropane	50	56.1	112	80-137
124-48-1	Dibromochloromethane	50	50.3	101	78-117
75-71-8	Dichlorodifluoromethane	50	56.5	113	35-162
156-59-2	cis-1,2-Dichloroethylene	50	56.8	114	74-123
10061-01-5	cis-1,3-Dichloropropene	50	54.8	110	79-130

Blank Spike Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2082-BS	G0055191.D	1	12/27/08	MM	n/a	n/a	VG2082

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62105-2, F62105-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	47.8	96	71-126
541-73-1	m-Dichlorobenzene	50	57.6	115	82-126
95-50-1	o-Dichlorobenzene	50	54.3	109	83-123
106-46-7	p-Dichlorobenzene	50	57.8	116	84-124
156-60-5	trans-1,2-Dichloroethylene	50	60.9	122	77-129
10061-02-6	trans-1,3-Dichloropropene	50	58.5	117	87-131
100-41-4	Ethylbenzene	50	59.7	119	82-124
97-63-2	Ethyl methacrylate	50	49.0	98	78-118
76-13-1	Freon 113	50	51.0	102	62-147
591-78-6	2-Hexanone	250	208	83	67-130
87-68-3	Hexachlorobutadiene	50	64.4	129	77-150
110-54-3	Hexane	50	81.6	163*	65-147
98-82-8	Isopropylbenzene	50	60.6	121	82-133
99-87-6	p-Isopropyltoluene	50	60.7	121	82-132
108-10-1	4-Methyl-2-pentanone	250	235	94	69-125
126-98-7	Methacrylonitrile	500	490	98	70-138
74-83-9	Methyl bromide	50	55.0	110	60-146
74-87-3	Methyl chloride	50	53.3	107	58-163
74-88-4	Methyl iodide	50	44.3	89	66-128
80-62-6	Methyl methacrylate	50	49.3	99	73-125
74-95-3	Methylene bromide	50	50.1	100	75-128
75-09-2	Methylene chloride	50	41.6	83	62-140
78-93-3	Methyl ethyl ketone	250	189	76	66-134
1634-04-4	Methyl Tert Butyl Ether	50	48.5	97	70-131
91-20-3	Naphthalene	50	47.3	95	59-143
76-01-7	Pentachloroethane	50	62.2	124	64-156
107-12-0	Propionitrile	500	440	88	73-133
103-65-1	n-Propylbenzene	50	60.7	121	78-129
100-42-5	Styrene	50	56.8	114	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	56.3	113	81-121
71-55-6	1,1,1-Trichloroethane	50	57.0	114	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	47.6	95	70-128
79-00-5	1,1,2-Trichloroethane	50	49.3	99	76-118
87-61-6	1,2,3-Trichlorobenzene	50	54.1	108	78-136
96-18-4	1,2,3-Trichloropropane	50	44.8	90	74-125
120-82-1	1,2,4-Trichlorobenzene	50	56.3	113	82-137

Blank Spike Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2082-BS	G0055191.D	1	12/27/08	MM	n/a	n/a	VG2082

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62105-2, F62105-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	57.5	115	77-129
108-67-8	1,3,5-Trimethylbenzene	50	59.0	118	79-129
127-18-4	Tetrachloroethylene	50	66.5	133*	79-132
108-88-3	Toluene	50	60.5	121	80-123
79-01-6	Trichloroethylene	50	61.2	122	78-132
75-69-4	Trichlorofluoromethane	50	57.5	115	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	102	204*	74-138
75-01-4	Vinyl chloride	50	51.6	103	60-145
108-05-4	Vinyl Acetate	250	186	74	25-164
	m,p-Xylene	100	122	122	82-128
95-47-6	o-Xylene	50	58.8	118	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	80-121%
2037-26-5	Toluene-D8	98%	71-130%
460-00-4	4-Bromofluorobenzene	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	93%	77-123%

Blank Spike Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2083-BS	G0055221.D	1	12/29/08	MM	n/a	n/a	VG2083

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62105-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
98-82-8	Isopropylbenzene	50	49.3	99	82-133

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	80-121%
2037-26-5	Toluene-D8	96%	71-130%
460-00-4	4-Bromofluorobenzene	101%	59-148%
17060-07-0	1,2-Dichloroethane-D4	92%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62105-4MS	G0055093.D	1	12/22/08	MM	n/a	n/a	VG2078
F62105-4MSD	G0055094.D	1	12/22/08	MM	n/a	n/a	VG2078
F62105-4	G0055082.D	1	12/22/08	MM	n/a	n/a	VG2078

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62105-1, F62105-2, F62105-3, F62105-4, F62105-6, F62105-7, F62105-8

CAS No.	Compound	F62105-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		244	102	42*	92.5	41*	10	61-144/29
75-05-8	Acetonitrile	ND		489	375	77	319	72	16	59-139/30
107-02-8	Acrolein	ND		244	46.3	19*	36.2	16*	24	27-156/39
107-13-1	Acrylonitrile	ND		244	239	98	218	98	9	55-144/24
107-05-1	Allyl chloride	ND		48.9	61.3	125	51.8	116	17	41-152/24
71-43-2	Benzene	ND		48.9	46.2	95	40.7	91	13	78-130/25
100-44-7	Benzyl Chloride	ND		48.9	43.7	89	37.9	85	14	74-130/28
108-86-1	Bromobenzene	ND		48.9	50.0	102	41.9	94	18	78-123/30
74-97-5	Bromochloromethane	ND		48.9	40.3	82	37.2	83	8	72-122/23
75-27-4	Bromodichloromethane	ND		48.9	42.5	87	37.4	84	13	73-122/25
75-25-2	Bromoform	ND		48.9	39.0	80	34.3	77	13	70-139/26
104-51-8	n-Butylbenzene	ND		48.9	49.1	100	41.8	94	16	80-138/31
135-98-8	sec-Butylbenzene	ND		48.9	49.3	101	42.4	95	15	82-132/29
98-06-6	tert-Butylbenzene	ND		48.9	48.8	100	42.3	95	14	79-130/29
108-90-7	Chlorobenzene	ND		48.9	45.5	93	40.3	90	12	83-122/23
75-00-3	Chloroethane	ND		48.9	24.6	50*	23.0	52*	7	61-153/31
67-66-3	Chloroform	ND		48.9	45.2	93	39.4	88	14	79-129/27
544-10-5	1-Chlorohexane	ND		48.9	46.2	95	40.0	90	14	85-137/29
95-49-8	o-Chlorotoluene	ND		48.9	49.6	102	44.7	100	10	77-123/31
106-43-4	p-Chlorotoluene	ND		48.9	51.3	105	44.9	101	13	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		244	300	123	274	123	9	52-142/25
75-15-0	Carbon disulfide	ND		48.9	35.5	73	31.3	70	13	61-142/27
56-23-5	Carbon tetrachloride	ND		48.9	35.3	72*	32.0	72*	10	79-135/29
75-34-3	1,1-Dichloroethane	ND		48.9	46.1	94	40.6	91	13	77-132/26
75-35-4	1,1-Dichloroethylene	ND		48.9	39.8	81	36.3	81	9	66-132/27
563-58-6	1,1-Dichloropropene	ND		48.9	41.0	84	37.1	83	10	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		48.9	46.8	96	40.5	91	14	67-129/29
106-93-4	1,2-Dibromoethane	ND		48.9	43.6	89	40.0	90	9	77-126/24
107-06-2	1,2-Dichloroethane	ND		48.9	41.3	85	37.0	83	11	78-129/24
78-87-5	1,2-Dichloropropane	ND		48.9	44.1	90	39.5	89	11	74-127/27
142-28-9	1,3-Dichloropropane	ND		48.9	45.2	93	38.9	87	15	78-118/26
594-20-7	2,2-Dichloropropane	ND		48.9	38.6	79*	35.1	79*	9	80-137/28
124-48-1	Dibromochloromethane	ND		48.9	42.8	88	38.7	87	10	78-117/27
75-71-8	Dichlorodifluoromethane	ND		48.9	16.8	34*	15.4	35	9	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		48.9	43.2	88	39.6	89	9	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		48.9	45.6	93	41.7	94	9	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62105-4MS	G0055093.D	1	12/22/08	MM	n/a	n/a	VG2078
F62105-4MSD	G0055094.D	1	12/22/08	MM	n/a	n/a	VG2078
F62105-4	G0055082.D	1	12/22/08	MM	n/a	n/a	VG2078

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62105-1, F62105-2, F62105-3, F62105-4, F62105-6, F62105-7, F62105-8

CAS No.	Compound	F62105-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		48.9	49.4	101	44.8	100	10	71-126/28
541-73-1	m-Dichlorobenzene	ND		48.9	48.0	98	43.3	97	10	82-126/29
95-50-1	o-Dichlorobenzene	ND		48.9	48.0	98	41.8	94	14	83-123/28
106-46-7	p-Dichlorobenzene	ND		48.9	47.9	98	42.2	95	13	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		48.9	42.8	88	38.7	87	10	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		48.9	52.4	107	45.1	101	15	87-131/27
100-41-4	Ethylbenzene	ND		48.9	45.4	93	38.7	87	16	82-124/25
97-63-2	Ethyl methacrylate	ND		48.9	51.9	106	45.7	103	13	78-118/30
76-13-1	Freon 113	ND		48.9	35.2	72	33.1	74	6	62-147/29
591-78-6	2-Hexanone	ND		244	191	78	171	77	11	67-130/29
87-68-3	Hexachlorobutadiene	ND		48.9	38.1	78	32.3	72*	16	77-150/36
110-54-3	Hexane	ND		48.9	42.8	88	38.6	87	10	65-147/27
98-82-8	Isopropylbenzene	ND		48.9	49.6	102	42.0	94	17	82-133/27
99-87-6	p-Isopropyltoluene	ND		48.9	50.4	103	42.8	96	16	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		244	217	89	204	92	6	69-125/24
126-98-7	Methacrylonitrile	ND		489	421	86	389	87	8	70-138/22
74-83-9	Methyl bromide	ND		48.9	32.9	67	30.5	68	8	60-146/31
74-87-3	Methyl chloride	ND		48.9	25.4	52*	23.0	52*	10	58-163/26
74-88-4	Methyl iodide	ND		48.9	33.7	69	30.1	68	11	66-128/27
80-62-6	Methyl methacrylate	ND		48.9	55.7	114	54.1	121	3	73-125/24
74-95-3	Methylene bromide	ND		48.9	43.3	89	40.2	90	7	75-128/26
75-09-2	Methylene chloride	ND		48.9	47.5	97	41.5	93	13	62-140/25
78-93-3	Methyl ethyl ketone	ND		244	163	67	148	66	10	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		48.9	44.0	90	40.6	91	8	70-131/25
91-20-3	Naphthalene	ND		48.9	51.2	105	45.3	102	12	59-143/31
76-01-7	Pentachloroethane	ND		48.9	45.4	93	39.5	89	14	64-156/37
107-12-0	Propionitrile	ND		489	379	78	357	80	6	73-133/23
103-65-1	n-Propylbenzene	ND		48.9	49.9	102	43.5	98	14	78-129/29
100-42-5	Styrene	ND		48.9	49.3	101	42.3	95	15	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		48.9	44.1	90	38.3	86	14	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		48.9	41.5	85	36.6	82	13	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		48.9	49.8	102	43.3	97	14	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		48.9	46.2	95	40.2	90	14	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		48.9	46.3	95	40.1	90	14	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		48.9	42.0	86	40.2	90	4	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		48.9	46.8	96	40.4	91	15	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62105-4MS	G0055093.D	1	12/22/08	MM	n/a	n/a	VG2078
F62105-4MSD	G0055094.D	1	12/22/08	MM	n/a	n/a	VG2078
F62105-4	G0055082.D	1	12/22/08	MM	n/a	n/a	VG2078

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62105-1, F62105-2, F62105-3, F62105-4, F62105-6, F62105-7, F62105-8

CAS No.	Compound	F62105-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		48.9	52.5	107	45.3	102	15	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		48.9	51.7	106	45.8	103	12	79-129/31
127-18-4	Tetrachloroethylene	ND		48.9	45.6	93	40.7	91	11	79-132/27
108-88-3	Toluene	ND		48.9	46.2	95	40.4	91	13	80-123/26
79-01-6	Trichloroethylene	ND		48.9	42.7	87	37.9	85	12	78-132/28
75-69-4	Trichlorofluoromethane	ND		48.9	26.3	54*	23.2	52*	13	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		48.9	94.1	193*	89.9	202*	5	74-138/30
75-01-4	Vinyl chloride	ND		48.9	23.3	48*	21.1	47*	10	60-145/29
108-05-4	Vinyl Acetate	ND		244	189	77	170	76	11	25-164/35
	m,p-Xylene	ND		97.7	94.5	97	79.9	90	17	82-128/25
95-47-6	o-Xylene	ND		48.9	47.0	96	41.5	93	12	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F62105-4	Limits
1868-53-7	Dibromofluoromethane	95%	98%	94%	80-121%
2037-26-5	Toluene-D8	102%	100%	98%	71-130%
460-00-4	4-Bromofluorobenzene	103%	104%	102%	59-148%
17060-07-0	1,2-Dichloroethane-D4	96%	90%	94%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62133-1MS	G0055144.D	1	12/24/08	MM	n/a	n/a	VG2080
F62133-1MSD	G0055145.D	1	12/24/08	MM	n/a	n/a	VG2080
F62133-1 [a]	G0055133.D	1	12/24/08	MM	n/a	n/a	VG2080

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62105-5, F62105-6, F62105-8

CAS No.	Compound	F62133-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	40 U		249	81.7	33*	90.3	37*	10	61-144/29
75-05-8	Acetonitrile	40 U		497	339	68	397	80	16	59-139/30
107-02-8	Acrolein	20 U		249	ND	0*	ND	0*	nc	27-156/39
107-13-1	Acrylonitrile	20 U		249	197	79	217	88	10	55-144/24
107-05-1	Allyl chloride	20 U		49.7	46.3	93	46.3	94	0	41-152/24
71-43-2	Benzene	4.0 U		49.7	51.1	103	53.3	108	4	78-130/25
100-44-7	Benzyl Chloride	4.0 U		49.7	23.5	47*	26.7	54*	13	74-130/28
108-86-1	Bromobenzene	4.0 U		49.7	49.7	100	52.3	106	5	78-123/30
74-97-5	Bromochloromethane	4.0 U		49.7	44.5	89	47.3	96	6	72-122/23
75-27-4	Bromodichloromethane	4.0 U		49.7	44.1	89	48.3	98	9	73-122/25
75-25-2	Bromoform	4.0 U		49.7	39.8	80	39.5	80	1	70-139/26
104-51-8	n-Butylbenzene	4.0 U		49.7	44.5	89	45.4	92	2	80-138/31
135-98-8	sec-Butylbenzene	4.0 U		49.7	48.8	98	49.4	100	1	82-132/29
98-06-6	tert-Butylbenzene	4.0 U		49.7	51.9	104	53.5	108	3	79-130/29
108-90-7	Chlorobenzene	4.0 U		49.7	47.1	95	50.0	101	6	83-122/23
75-00-3	Chloroethane	4.0 U		49.7	44.7	90	46.8	95	5	61-153/31
67-66-3	Chloroform	4.0 U		49.7	50.7	102	55.2	112	8	79-129/27
544-10-5	1-Chlorohexane	4.0 U		49.7	48.8	98	46.5	94	5	85-137/29
95-49-8	o-Chlorotoluene	4.0 U		49.7	48.2	97	49.8	101	3	77-123/31
106-43-4	p-Chlorotoluene	4.0 U		49.7	49.1	99	50.3	102	2	78-129/29
110-75-8	2-Chloroethyl vinyl ether	20 U		249	279	112	311	126	11	52-142/25
75-15-0	Carbon disulfide	4.0 U		49.7	46.1	93	46.2	94	0	61-142/27
56-23-5	Carbon tetrachloride	4.0 U		49.7	55.5	112	47.7	97	15	79-135/29
75-34-3	1,1-Dichloroethane	4.0 U		49.7	52.4	105	55.0	111	5	77-132/26
75-35-4	1,1-Dichloroethylene	4.0 U		49.7	54.9	110	55.1	112	0	66-132/27
563-58-6	1,1-Dichloropropene	4.0 U		49.7	54.1	109	53.9	109	0	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	4.0 U		49.7	36.9	74	45.3	92	20	67-129/29
106-93-4	1,2-Dibromoethane	4.0 U		49.7	40.6	82	43.3	88	6	77-126/24
107-06-2	1,2-Dichloroethane	4.0 U		49.7	46.8	94	49.7	101	6	78-129/24
78-87-5	1,2-Dichloropropane	4.0 U		49.7	47.8	96	49.7	101	4	74-127/27
142-28-9	1,3-Dichloropropane	4.0 U		49.7	41.3	83	45.7	93	10	78-118/26
594-20-7	2,2-Dichloropropane	4.0 U		49.7	43.5	87	44.1	89	1	80-137/28
124-48-1	Dibromochloromethane	4.0 U		49.7	41.8	84	45.6	92	9	78-117/27
75-71-8	Dichlorodifluoromethane	4.0 U		49.7	49.4	99	37.7	76	27	35-162/30
156-59-2	cis-1,2-Dichloroethylene	4.0 U		49.7	47.8	96	50.1	101	5	74-123/26
10061-01-5	cis-1,3-Dichloropropene	4.0 U		49.7	43.6	88	48.4	98	10	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62133-1MS	G0055144.D	1	12/24/08	MM	n/a	n/a	VG2080
F62133-1MSD	G0055145.D	1	12/24/08	MM	n/a	n/a	VG2080
F62133-1 [a]	G0055133.D	1	12/24/08	MM	n/a	n/a	VG2080

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62105-5, F62105-6, F62105-8

CAS No.	Compound	F62133-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	20 U		49.7	38.7	78	41.6	84	7	71-126/28
541-73-1	m-Dichlorobenzene	4.0 U		49.7	48.1	97	51.8	105	7	82-126/29
95-50-1	o-Dichlorobenzene	4.0 U		49.7	46.9	94	51.7	105	10	83-123/28
106-46-7	p-Dichlorobenzene	4.0 U		49.7	50.1	101	51.6	105	3	84-124/28
156-60-5	trans-1,2-Dichloroethylene	4.0 U		49.7	55.1	111	56.4	114	2	77-129/27
10061-02-6	trans-1,3-Dichloropropene	4.0 U		49.7	45.2	91	50.5	102	11	87-131/27
100-41-4	Ethylbenzene	4.0 U		49.7	47.8	96	50.7	103	6	82-124/25
97-63-2	Ethyl methacrylate	20 U		49.7	5.5	11*	5.2	11*	6	78-118/30
76-13-1	Freon 113	4.0 U		49.7	53.4	107	54.0	109	1	62-147/29
591-78-6	2-Hexanone	20 U		249	145	58*	171	69	16	67-130/29
87-68-3	Hexachlorobutadiene	4.0 U		49.7	48.0	97	50.0	101	4	77-150/36
110-54-3	Hexane	4.0 U		49.7	49.9	100	44.1	89	12	65-147/27
98-82-8	Isopropylbenzene	4.0 U		49.7	48.7	98	49.2	100	1	82-133/27
99-87-6	p-Isopropyltoluene	4.0 U		49.7	49.3	99	50.7	103	3	82-132/29
108-10-1	4-Methyl-2-pentanone	20 U		249	188	76	215	87	13	69-125/24
126-98-7	Methacrylonitrile	20 U		497	409	82	440	89	7	70-138/22
74-83-9	Methyl bromide	4.0 U		49.7	50.2	101	37.3	76	29	60-146/31
74-87-3	Methyl chloride	4.0 U		49.7	45.5	91	35.6	72	24	58-163/26
74-88-4	Methyl iodide	8.0 U		49.7	43.0	86	43.0	87	0	66-128/27
80-62-6	Methyl methacrylate	20 U		49.7	43.5	87	48.6	98	11	73-125/24
74-95-3	Methylene bromide	4.0 U		49.7	47.0	95	48.2	98	3	75-128/26
75-09-2	Methylene chloride	5.6	VI	49.7	50.8	91	52.8	96	4	62-140/25
78-93-3	Methyl ethyl ketone	20 U		249	118	47*	134	54*	13	66-134/23
1634-04-4	Methyl Tert Butyl Ether	4.0 U		49.7	41.2	83	45.5	92	10	70-131/25
91-20-3	Naphthalene	4.9		49.7	34.3	59	33.1	57*	4	59-143/31
76-01-7	Pentachloroethane	20 U		49.7	50.4	101	54.7	111	8	64-156/37
107-12-0	Propionitrile	40 U		497	371	75	405	82	9	73-133/23
103-65-1	n-Propylbenzene	4.0 U		49.7	49.7	100	51.4	104	3	78-129/29
100-42-5	Styrene	4.0 U		49.7	45.5	91	47.9	97	5	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	4.0 U		49.7	46.0	93	47.9	97	4	81-121/25
71-55-6	1,1,1-Trichloroethane	4.0 U		49.7	54.6	110	54.9	111	1	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	4.0 U		49.7	41.4	83	46.2	94	11	70-128/30
79-00-5	1,1,2-Trichloroethane	4.0 U		49.7	42.0	84	45.1	91	7	76-118/28
87-61-6	1,2,3-Trichlorobenzene	4.0 U		49.7	44.3	89	43.4	88	2	78-136/34
96-18-4	1,2,3-Trichloropropane	4.0 U		49.7	36.7	74	41.8	85	13	74-125/30
120-82-1	1,2,4-Trichlorobenzene	4.0 U		49.7	45.5	91	45.7	93	0	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62133-1MS	G0055144.D	1	12/24/08	MM	n/a	n/a	VG2080
F62133-1MSD	G0055145.D	1	12/24/08	MM	n/a	n/a	VG2080
F62133-1 [a]	G0055133.D	1	12/24/08	MM	n/a	n/a	VG2080

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62105-5, F62105-6, F62105-8

CAS No.	Compound	F62133-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	4.0 U		49.7	41.8	84	41.2	83	1	77-129/29
108-67-8	1,3,5-Trimethylbenzene	3.7	I	49.7	46.7	86	47.1	88	1	79-129/31
127-18-4	Tetrachloroethylene	4.0 U		49.7	57.4	115	60.2	122	5	79-132/27
108-88-3	Toluene	4.0 U		49.7	47.4	95	50.8	103	7	80-123/26
79-01-6	Trichloroethylene	4.0 U		49.7	52.7	106	55.2	112	5	78-132/28
75-69-4	Trichlorofluoromethane	4.0 U		49.7	50.0	101	51.4	104	3	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	20 U		49.7	80.2	161*	89.6	182*	11	74-138/30
75-01-4	Vinyl chloride	4.0 U		49.7	46.4	93	35.4	72	27	60-145/29
108-05-4	Vinyl Acetate	20 U		249	13.1	5*	14.9	6*	13	25-164/35
	m,p-Xylene	8.0 U		99.5	95.0	96	97.3	99	2	82-128/25
95-47-6	o-Xylene	1.3	I	49.7	47.1	92	49.0	97	4	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F62133-1	Limits
1868-53-7	Dibromofluoromethane	99%	102%	101%	80-121%
2037-26-5	Toluene-D8	96%	100%	94%	71-130%
460-00-4	4-Bromofluorobenzene	101%	104%	102%	59-148%
17060-07-0	1,2-Dichloroethane-D4	103%	97%	110%	77-123%

(a) Sample re-analyzed beyond hold time; reported results are considered minimum values.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62142-3MS	G0055169.D	1	12/26/08	MM	n/a	n/a	VG2081
F62142-3MSD	G0055170.D	1	12/26/08	MM	n/a	n/a	VG2081
F62142-3 [a]	G0055163.D	1	12/26/08	MM	n/a	n/a	VG2081

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62105-5, F62105-7

CAS No.	Compound	F62142-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		59	69.0	117	62.8	108	9	78-130/25
135-98-8	sec-Butylbenzene	ND		59	65.5	111	61.1	105	7	82-132/29
98-06-6	tert-Butylbenzene	ND		59	66.9	113	62.0	106	8	79-130/29
100-41-4	Ethylbenzene	ND		59	64.6	109	57.5	99	12	82-124/25
98-82-8	Isopropylbenzene	ND		59	66.4	112	59.5	102	11	82-133/27
103-65-1	n-Propylbenzene	ND		59	66.1	112	62.4	107	6	78-129/29

CAS No.	Surrogate Recoveries	MS	MSD	F62142-3	Limits
1868-53-7	Dibromofluoromethane	103%	100%	102%	80-121%
2037-26-5	Toluene-D8	95%	97%	93%	71-130%
460-00-4	4-Bromofluorobenzene	100%	101%	98%	59-148%
17060-07-0	1,2-Dichloroethane-D4	99%	91%	118%	77-123%

(a) Sample analyzed beyond hold time; reported results are considered minimum values.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62374-9MS	G0055194.D	1	12/27/08	MM	n/a	n/a	VG2082
F62374-9MSD	G0055195.D	1	12/27/08	MM	n/a	n/a	VG2082
F62374-9	G0055193.D	1	12/27/08	MM	n/a	n/a	VG2082

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62105-2, F62105-7

CAS No.	Compound	F62374-9 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	35 U		174	87.1	50*	88.5	51*	2	61-144/29
75-05-8	Acetonitrile	35 U		349	229	66	247	72	8	59-139/30
107-02-8	Acrolein	18 U		174	206	118	218	126	6	27-156/39
107-13-1	Acrylonitrile	18 U		174	144	83	140	81	3	55-144/24
107-05-1	Allyl chloride	18 U		34.9	17.2	49	30.7	89	56*	41-152/24
71-43-2	Benzene	3.5 U		34.9	35.5	102	36.2	105	2	78-130/25
100-44-7	Benzyl Chloride	3.5 U		34.9	25.3	73*	27.6	80	9	74-130/28
108-86-1	Bromobenzene	3.5 U		34.9	33.7	97	36.1	105	7	78-123/30
74-97-5	Bromochloromethane	3.5 U		34.9	29.7	85	32.1	93	8	72-122/23
75-27-4	Bromodichloromethane	3.5 U		34.9	31.2	89	31.5	91	1	73-122/25
75-25-2	Bromoform	3.5 U		34.9	26.3	75	27.7	80	5	70-139/26
104-51-8	n-Butylbenzene	3.5 U		34.9	33.7	97	36.8	107	9	80-138/31
135-98-8	sec-Butylbenzene	3.5 U		34.9	34.9	100	36.8	107	5	82-132/29
98-06-6	tert-Butylbenzene	3.5 U		34.9	35.4	102	37.6	109	6	79-130/29
108-90-7	Chlorobenzene	3.5 U		34.9	32.9	94	34.5	100	5	83-122/23
75-00-3	Chloroethane	3.5 U		34.9	29.0	83	29.7	86	2	61-153/31
67-66-3	Chloroform	3.5 U		34.9	35.8	103	36.4	106	2	79-129/27
544-10-5	1-Chlorohexane	3.5 U		34.9	36.9	106	35.9	104	3	85-137/29
95-49-8	o-Chlorotoluene	3.5 U		34.9	34.0	97	36.3	105	7	77-123/31
106-43-4	p-Chlorotoluene	3.5 U		34.9	33.7	97	36.5	106	8	78-129/29
110-75-8	2-Chloroethyl vinyl ether	18 U		174	185	106	194	113	5	52-142/25
75-15-0	Carbon disulfide	2.0	J	34.9	30.9	83	30.8	84	0	61-142/27
56-23-5	Carbon tetrachloride	3.5 U		34.9	34.9	100	34.9	101	0	79-135/29
75-34-3	1,1-Dichloroethane	3.5 U		34.9	37.2	107	36.7	106	1	77-132/26
75-35-4	1,1-Dichloroethylene	3.5 U		34.9	35.2	101	35.5	103	1	66-132/27
563-58-6	1,1-Dichloropropene	3.5 U		34.9	36.1	104	37.0	107	2	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	3.5 U		34.9	24.0	69	29.0	84	19	67-129/29
106-93-4	1,2-Dibromoethane	3.5 U		34.9	28.0	80	28.5	83	2	77-126/24
107-06-2	1,2-Dichloroethane	3.5 U		34.9	33.0	95	33.2	96	1	78-129/24
78-87-5	1,2-Dichloropropane	3.5 U		34.9	31.1	89	33.9	98	9	74-127/27
142-28-9	1,3-Dichloropropane	3.5 U		34.9	29.6	85	30.0	87	1	78-118/26
594-20-7	2,2-Dichloropropane	3.5 U		34.9	33.4	96	35.5	103	6	80-137/28
124-48-1	Dibromochloromethane	3.5 U		34.9	29.2	84	29.0	84	1	78-117/27
75-71-8	Dichlorodifluoromethane	3.5 U		34.9	29.4	84	28.9	84	2	35-162/30
156-59-2	cis-1,2-Dichloroethylene	368	E	34.9	132	-677* [a]	168	-580* [a]	24	74-123/26
10061-01-5	cis-1,3-Dichloropropene	3.5 U		34.9	32.8	94	33.5	97	2	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62374-9MS	G0055194.D	1	12/27/08	MM	n/a	n/a	VG2082
F62374-9MSD	G0055195.D	1	12/27/08	MM	n/a	n/a	VG2082
F62374-9	G0055193.D	1	12/27/08	MM	n/a	n/a	VG2082

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62105-2, F62105-7

CAS No.	Compound	F62374-9 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	18 U		34.9	26.8	77	32.8	95	20	71-126/28
541-73-1	m-Dichlorobenzene	3.5 U		34.9	35.2	101	37.2	108	6	82-126/29
95-50-1	o-Dichlorobenzene	3.5 U		34.9	34.1	98	35.0	102	3	83-123/28
106-46-7	p-Dichlorobenzene	3.5 U		34.9	35.7	102	37.8	110	6	84-124/28
156-60-5	trans-1,2-Dichloroethylene	1.2	J	34.9	35.8	99	36.3	102	1	77-129/27
10061-02-6	trans-1,3-Dichloropropene	3.5 U		34.9	33.3	95	32.9	95	1	87-131/27
100-41-4	Ethylbenzene	3.5 U		34.9	34.1	98	34.6	100	1	82-124/25
97-63-2	Ethyl methacrylate	18 U		34.9	27.9	80	30.3	88	8	78-118/30
76-13-1	Freon 113	3.5 U		34.9	29.5	85	29.4	85	0	62-147/29
591-78-6	2-Hexanone	18 U		174	116	67	125	73	7	67-130/29
87-68-3	Hexachlorobutadiene	3.5 U		34.9	36.3	104	40.0	116	10	77-150/36
110-54-3	Hexane	3.5 U		34.9	40.7	117	40.8	118	0	65-147/27
98-82-8	Isopropylbenzene	3.5 U		34.9	34.1	98	34.3	100	1	82-133/27
99-87-6	p-Isopropyltoluene	3.5 U		34.9	36.0	103	37.6	109	4	82-132/29
108-10-1	4-Methyl-2-pentanone	18 U		174	131	75	136	79	4	69-125/24
126-98-7	Methacrylonitrile	18 U		349	291	83	302	88	4	70-138/22
74-83-9	Methyl bromide	3.5 U		34.9	34.8	100	34.2	99	2	60-146/31
74-87-3	Methyl chloride	3.5 U		34.9	30.2	87	31.1	90	3	58-163/26
74-88-4	Methyl iodide	7.1 U		34.9	27.5	79	28.3	82	3	66-128/27
80-62-6	Methyl methacrylate	18 U		34.9	27.7	79	32.1	93	15	73-125/24
74-95-3	Methylene bromide	3.5 U		34.9	30.6	88	32.5	94	6	75-128/26
75-09-2	Methylene chloride	3.6	J	34.9	32.9	84	37.1	97	12	62-140/25
78-93-3	Methyl ethyl ketone	18 U		174	113	65*	111	64*	2	66-134/23
1634-04-4	Methyl Tert Butyl Ether	3.5 U		34.9	28.3	81	29.1	84	3	70-131/25
91-20-3	Naphthalene	3.5 U		34.9	27.6	79	31.3	91	13	59-143/31
76-01-7	Pentachloroethane	18 U		34.9	37.4	107	37.7	109	1	64-156/37
107-12-0	Propionitrile	35 U		349	262	75	293	85	11	73-133/23
103-65-1	n-Propylbenzene	3.5 U		34.9	35.2	101	37.4	108	6	78-129/29
100-42-5	Styrene	3.5 U		34.9	32.7	94	34.0	99	4	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	3.5 U		34.9	31.7	91	31.8	92	0	81-121/25
71-55-6	1,1,1-Trichloroethane	3.5 U		34.9	32.9	94	34.3	100	4	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	3.5 U		34.9	28.0	80	30.8	89	10	70-128/30
79-00-5	1,1,2-Trichloroethane	3.5 U		34.9	31.7	91	32.2	93	2	76-118/28
87-61-6	1,2,3-Trichlorobenzene	3.5 U		34.9	31.2	89	34.8	101	11	78-136/34
96-18-4	1,2,3-Trichloropropane	3.5 U		34.9	24.8	71*	27.4	79	10	74-125/30
120-82-1	1,2,4-Trichlorobenzene	3.5 U		34.9	33.9	97	36.4	106	7	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62374-9MS	G0055194.D	1	12/27/08	MM	n/a	n/a	VG2082
F62374-9MSD	G0055195.D	1	12/27/08	MM	n/a	n/a	VG2082
F62374-9	G0055193.D	1	12/27/08	MM	n/a	n/a	VG2082

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62105-2, F62105-7

CAS No.	Compound	F62374-9 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	3.5 U		34.9	34.4	99	36.5	106	6	77-129/29
108-67-8	1,3,5-Trimethylbenzene	3.5 U		34.9	34.4	99	37.4	108	8	79-129/31
127-18-4	Tetrachloroethylene	192	E	34.9	120	-206* [a]	135	-165* [a]	12	79-132/27
108-88-3	Toluene	3.5 U		34.9	33.6	96	34.6	100	3	80-123/26
79-01-6	Trichloroethylene	80.9		34.9	70.5	-30* [a]	80.0	-3* [a]	13	78-132/28
75-69-4	Trichlorofluoromethane	3.5 U		34.9	30.3	87	30.9	90	2	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	18 U		34.9	57.4	165*	66.0	191*	14	74-138/30
75-01-4	Vinyl chloride	8.5		34.9	31.4	66	32.0	68	2	60-145/29
108-05-4	Vinyl Acetate	18 U		174	115	66	121	70	5	25-164/35
	m,p-Xylene	7.1 U		69.7	69.3	99	71.0	103	2	82-128/25
95-47-6	o-Xylene	3.5 U		34.9	34.2	98	34.7	101	1	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F62374-9	Limits
1868-53-7	Dibromofluoromethane	104%	99%	104%	80-121%
2037-26-5	Toluene-D8	97%	98%	97%	71-130%
460-00-4	4-Bromofluorobenzene	100%	107%	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	92%	93%	106%	77-123%

(a) Outside control limits due to high level in sample relative to spike amount.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62374-11MS	G0055234.D	1	12/29/08	MM	n/a	n/a	VG2083
F62374-11MSD	G0055235.D	1	12/29/08	MM	n/a	n/a	VG2083
F62374-11	G0055233.D	1	12/29/08	MM	n/a	n/a	VG2083

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62105-2

CAS No.	Compound	F62374-11 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
98-82-8	Isopropylbenzene	4.1	U	62.1	50.4	81*	60.8	100	19	82-133/27

CAS No.	Surrogate Recoveries	MS	MSD	F62374-11	Limits
1868-53-7	Dibromofluoromethane	107%	108%	107%	80-121%
2037-26-5	Toluene-D8	94%	98%	89%	71-130%
460-00-4	4-Bromofluorobenzene	100%	96%	98%	59-148%
17060-07-0	1,2-Dichloroethane-D4	109%	96%	121%	77-123%

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1971-MB	QR045355.D	1	12/19/08	AH	n/a	n/a	GQR1971

The QC reported here applies to the following samples: **Method:** SW846 8015

F62105-1, F62105-4, F62105-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	83%	56-136%
98-08-8	aaa-Trifluorotoluene	82%	61-121%

Method Blank Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1972-MB	QR045392.D	1	12/19/08	AH	n/a	n/a	GQR1972

The QC reported here applies to the following samples: **Method:** SW846 8015

F62105-2, F62105-3, F62105-5, F62105-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	76%	56-136%
98-08-8	aaa-Trifluorotoluene	80%	61-121%

Blank Spike Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1971-BS	QR045354.D	1	12/19/08	AH	n/a	n/a	GQR1971

The QC reported here applies to the following samples: **Method:** SW846 8015

F62105-1, F62105-4, F62105-6

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	18.6	93	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	92%	56-136%
98-08-8	aaa-Trifluorotoluene	99%	61-121%

Blank Spike Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1972-BS	QR045391.D	1	12/19/08	AH	n/a	n/a	GQR1972

The QC reported here applies to the following samples: **Method:** SW846 8015

F62105-2, F62105-3, F62105-5, F62105-7

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	18.6	93	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	96%	56-136%
98-08-8	aaa-Trifluorotoluene	101%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62105-4MS	QR045377.D	1	12/19/08	AH	n/a	n/a	GQR1971
F62105-4MSD	QR045378.D	1	12/19/08	AH	n/a	n/a	GQR1971
F62105-4	QR045363.D	1	12/19/08	AH	n/a	n/a	GQR1971

The QC reported here applies to the following samples: **Method:** SW846 8015

F62105-1, F62105-4, F62105-6

CAS No.	Compound	F62105-4 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		20.8	19.1	92	18.7	90	2	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F62105-4	Limits
460-00-4	4-Bromofluorobenzene	82%	80%	77%	56-136%
98-08-8	aaa-Trifluorotoluene	96%	96%	77%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62062-3MS	QR045416.D	1	12/20/08	AH	n/a	n/a	GQR1972
F62062-3MSD	QR045417.D	1	12/20/08	AH	n/a	n/a	GQR1972
F62062-3	QR045394.D	1	12/19/08	AH	n/a	n/a	GQR1972

The QC reported here applies to the following samples: **Method:** SW846 8015

F62105-2, F62105-3, F62105-5, F62105-7

CAS No.	Compound	F62062-3 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		22	20.7	94	20.7	94	0	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F62062-3	Limits
460-00-4	4-Bromofluorobenzene	93%	101%	74%	56-136%
98-08-8	aaa-Trifluorotoluene	100%	96%	80%	61-121%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27436-MB	LL24640.D	1	12/19/08	NY	12/12/08	OP27436	GLL918

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62105-1, F62105-2, F62105-3, F62105-4, F62105-5, F62105-6, F62105-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	88%	49-108%

Blank Spike Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27436-BS	LL24639.D	1	12/19/08	NY	12/12/08	OP27436	GLL918

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62105-1, F62105-2, F62105-3, F62105-4, F62105-5, F62105-6, F62105-7

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33	32.0	97	64-102
	TPH (> C22-C36)	33	38.3	116	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	93%	49-108%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62105
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27436-MS	LL24647.D	1	12/19/08	NY	12/12/08	OP27436	GLL918
OP27436-MSD	LL24648.D	1	12/19/08	NY	12/12/08	OP27436	GLL918
F62105-4	LL24646.D	1	12/19/08	NY	12/12/08	OP27436	GLL918

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62105-1, F62105-2, F62105-3, F62105-4, F62105-5, F62105-6, F62105-7

CAS No.	Compound	F62105-4 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		37	35.2	95	36.5	98	4	64-102/32
	TPH (> C22-C36)	ND		37	42.5	115	44.3	119	4	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F62105-4	Limits
84-15-1	o-Terphenyl	91%	94%	87%	49-108%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

01/05/09

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F62142

Sampling Date: 12/09/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: 75

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.

Test results relate only to samples analyzed.

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Note: This report is password protected to disallow document modification or assembly.
A password to unlock this report is available from your client service representative.

Sections: 1 2 3 4 5 6 7

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F62142-1: SS61-SB63-16 7
3.2: F62142-2: SS61-SB63-28 12
3.3: F62142-3: SS61-SB63-35 17
3.4: F62142-4: SS61-SB64-20 22
3.5: F62142-5: SS61-SB64-25 27
3.6: F62142-6: SS61-SB64-35 32
3.7: F62142-7: TRIP BLANK 37
Section 4: Misc. Forms **40**
4.1: Chain of Custody 41
Section 5: GC/MS Volatiles - QC Data Summaries **43**
5.1: Method Blank Summary 44
5.2: Blank Spike Summary 50
5.3: Matrix Spike/Matrix Spike Duplicate Summary 59
Section 6: GC Volatiles - QC Data Summaries **65**
6.1: Method Blank Summary 66
6.2: Blank Spike Summary 68
6.3: Matrix Spike/Matrix Spike Duplicate Summary 70
Section 7: GC Semi-volatiles - QC Data Summaries **72**
7.1: Method Blank Summary 73
7.2: Blank Spike Summary 74
7.3: Matrix Spike/Matrix Spike Duplicate Summary 75

Sample Summary

North Wind, Inc

Job No: F62142

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F62142-1	12/09/08	09:50	DM	12/11/08	SO	Soil	SS61-SB63-16
F62142-2	12/09/08	10:00	DM	12/11/08	SO	Soil	SS61-SB63-28
F62142-3	12/09/08	10:10	DM	12/11/08	SO	Soil	SS61-SB63-35
F62142-4	12/09/08	12:50	DM	12/11/08	SO	Soil	SS61-SB64-20
F62142-5	12/09/08	13:00	DM	12/11/08	SO	Soil	SS61-SB64-25
F62142-6	12/09/08	13:10	DM	12/11/08	SO	Soil	SS61-SB64-35
F62142-7	12/09/08	00:00	DM	12/11/08	SO	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F62142

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 1/2/2009 2:13:53 PM

6 Samples, 1 Trip Blank were collected on 12/09/2008 and received at Accutest on 12/11/2008 properly preserved, at 2.8 Deg. C and intact. These Samples received an Accutest job number of F62142. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VG2080

Sample(s) F62133-1MS, F62133-1MSD were used as the QC samples indicated.

The following samples were run outside of holding time for method SW846 8260B: F62142-1, F62142-2, F62142-4, F62142-5, F62142-6, F62142-7 Sample analyzed beyond hold time; reported results are considered minimum values.

Sample(s) F62142-2, F62142-6, F62142-7 have compound(s) reported with a “B” qualifier, indicating analyte is found in the associated method blank.

Blank Spike Recovery(s) for 1,2,3-Trichloropropane, 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Acrolein, Benzyl Chloride, Bromoform, Ethyl methacrylate, Methyl ethyl ketone, Methyl methacrylate, Propionitrile, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for 2-Hexanone, Acetone, Acrolein, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for Acetone, Acrolein, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Naphthalene, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

F62142-4: Sample analyzed beyond hold time; reported results are considered minimum values.

F62142-5: Sample analyzed beyond hold time; reported results are considered minimum values.

F62142-2: Sample analyzed beyond hold time; reported results are considered minimum values.

F62142-1: Sample analyzed beyond hold time; reported results are considered minimum values.

F62142-6: Sample analyzed beyond hold time; reported results are considered minimum values.

F62142-7: Sample analyzed beyond hold time; reported results are considered minimum values.

Matrix: SO **Batch ID:** VG2081

Sample(s) F62142-3MS, F62142-3MSD were used as the QC samples indicated.

The following samples were run outside of holding time for method SW846 8260B: F62142-2, F62142-3 Sample analyzed beyond hold time; reported results are considered minimum values.

Sample(s) F62142-3 have compound(s) reported with a “B” qualifier, indicating analyte is found in the associated method blank.

Blank Spike Recovery(s) for Acetone, Trans-1,4-Dichloro-2-Butene are outside control limits.

Matrix Spike Recovery(s) for Acetone, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 2-Hexanone, Acetone, Acrolein, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

RPD(s) for MSD for Allyl chloride, Carbon tetrachloride are outside control limits for sample F62142-3MSD. Probable cause due to sample homogeneity.

F62142-3: Sample analyzed beyond hold time; reported results are considered minimum values.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GQR1971

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F62105-4MS, F62105-4MSD were used as the QC samples indicated.

Matrix: SO **Batch ID:** GQR1972

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F62062-3MS, F62062-3MSD were used as the QC samples indicated.

Extractables by GC By Method SW846 8015 M

Matrix: SO **Batch ID:** OP27436

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F62105-4MS, F62105-4MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Wet Chemistry By Method SM19 2540B M

Matrix: SO **Batch ID:** GN33144

Sample(s) F62133-1DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: January 02, 2009

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-SB63-16		
Lab Sample ID:	F62142-1	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	83.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0055139.D	1	12/24/08	MM	12/11/08 09:47	n/a	VG2080
Run #2							

	Initial Weight
Run #1	5.61 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	54	27	ug/kg	
75-05-8	Acetonitrile	ND	54	17	ug/kg	
107-02-8	Acrolein	ND	27	11	ug/kg	
107-13-1	Acrylonitrile	ND	27	7.4	ug/kg	
107-05-1	Allyl chloride	ND	27	5.4	ug/kg	
71-43-2	Benzene	ND	5.4	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.4	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.4	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.4	1.8	ug/kg	
75-27-4	Bromodichloromethane	ND	5.4	1.3	ug/kg	
75-25-2	Bromoform	ND	5.4	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	5.4	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.4	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.4	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.4	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.4	2.1	ug/kg	
67-66-3	Chloroform	ND	5.4	1.8	ug/kg	
544-10-5	1-Chlorohexane	ND	5.4	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.4	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.4	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	27	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.4	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.4	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.4	2.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.4	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.4	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.4	2.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.4	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.4	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.4	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.4	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.4	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB63-16		
Lab Sample ID:	F62142-1	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	83.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.4	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.4	2.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.4	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.4	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	27	5.4	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.4	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.4	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.4	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.4	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.4	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.4	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	27	5.4	ug/kg	
76-13-1	Freon 113	ND	5.4	2.8	ug/kg	
591-78-6	2-Hexanone	ND	27	5.4	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.4	1.3	ug/kg	
110-54-3	Hexane	ND	5.4	2.6	ug/kg	
98-82-8	Isopropylbenzene	ND	5.4	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.4	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	27	6.9	ug/kg	
126-98-7	Methacrylonitrile	ND	27	5.9	ug/kg	
74-83-9	Methyl bromide	ND	5.4	2.4	ug/kg	
74-87-3	Methyl chloride	ND	5.4	2.6	ug/kg	
74-88-4	Methyl iodide	ND	11	2.1	ug/kg	
80-62-6	Methyl methacrylate	ND	27	5.4	ug/kg	
74-95-3	Methylene bromide	ND	5.4	1.6	ug/kg	
75-09-2	Methylene chloride	ND	11	5.4	ug/kg	
78-93-3	Methyl ethyl ketone	ND	27	8.9	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.4	1.6	ug/kg	
91-20-3	Naphthalene	ND	5.4	2.1	ug/kg	
76-01-7	Pentachloroethane	ND	27	5.4	ug/kg	
107-12-0	Propionitrile	ND	54	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.4	1.3	ug/kg	
100-42-5	Styrene	ND	5.4	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.4	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.4	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.4	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.4	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.4	2.1	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.4	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.4	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB63-16		
Lab Sample ID:	F62142-1	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	83.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.4	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.4	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.4	1.3	ug/kg	
108-88-3	Toluene	ND	5.4	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.4	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.4	2.1	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	27	5.4	ug/kg	
75-01-4	Vinyl chloride	ND	5.4	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	27	13	ug/kg	
	m,p-Xylene	ND	11	2.0	ug/kg	
95-47-6	o-Xylene	ND	5.4	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-121%
2037-26-5	Toluene-D8	94%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	113%		77-123%

(a) Sample analyzed beyond hold time; reported results are considered minimum values.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB63-16		
Lab Sample ID:	F62142-1	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8015 SW846 5030A	**Percent Solids:**	83.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045370.D	1	12/19/08	AH	12/11/08 09:47	n/a	GQR1971
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.69 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.3	3.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	110%		56-136%
98-08-8	aaa-Trifluorotoluene	80%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB63-16		
Lab Sample ID:	F62142-1	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	83.1
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24652.D	1	12/19/08	NY	12/12/08	OP27436	GLL918
Run #2							

	Initial Weight	Final Volume
Run #1	29.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.1	mg/kg	
	TPH (> C22-C36)	ND	10	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	84%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB63-28		
Lab Sample ID:	F62142-2	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	80.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0055140.D	1	12/24/08	MM	12/11/08 09:47	n/a	VG2080
Run #2	G0055162.D	1	12/26/08	MM	12/11/08 09:47	n/a	VG2081

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.56 g		
Run #2	5.25 g	5.0 ml	100 ul

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	56	28	ug/kg	
75-05-8	Acetonitrile	ND	56	18	ug/kg	
107-02-8	Acrolein	ND	28	11	ug/kg	
107-13-1	Acrylonitrile	ND	28	7.7	ug/kg	
107-05-1	Allyl chloride	ND	28	5.6	ug/kg	
71-43-2	Benzene	5.4	5.6	1.1	ug/kg	J
100-44-7	Benzyl Chloride	ND	5.6	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.6	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.6	1.9	ug/kg	
75-27-4	Bromodichloromethane	ND	5.6	1.3	ug/kg	
75-25-2	Bromoform	ND	5.6	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	5.6	1.6	ug/kg	
135-98-8	sec-Butylbenzene	33.3	5.6	1.2	ug/kg	
98-06-6	tert-Butylbenzene	39.5	5.6	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.6	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.6	2.2	ug/kg	
67-66-3	Chloroform	ND	5.6	1.9	ug/kg	
544-10-5	1-Chlorohexane	ND	5.6	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.6	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.6	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	28	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.6	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.6	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.6	2.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.6	1.5	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.6	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.6	2.7	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.6	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.6	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.6	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.6	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.6	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB63-28		
Lab Sample ID:	F62142-2	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	80.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.6	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.6	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.6	1.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.6	1.5	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	28	5.6	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.6	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.6	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.6	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.6	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.6	1.1	ug/kg	
100-41-4	Ethylbenzene	79.6	5.6	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	28	5.6	ug/kg	
76-13-1	Freon 113	ND	5.6	2.9	ug/kg	
591-78-6	2-Hexanone	ND	28	5.6	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.6	1.3	ug/kg	
110-54-3	Hexane	ND	5.6	2.7	ug/kg	
98-82-8	Isopropylbenzene	4370 [b]	360	78	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.6	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	28	7.1	ug/kg	
126-98-7	Methacrylonitrile	ND	28	6.1	ug/kg	
74-83-9	Methyl bromide	ND	5.6	2.5	ug/kg	
74-87-3	Methyl chloride	ND	5.6	2.7	ug/kg	
74-88-4	Methyl iodide	ND	11	2.2	ug/kg	
80-62-6	Methyl methacrylate	ND	28	5.6	ug/kg	
74-95-3	Methylene bromide	ND	5.6	1.7	ug/kg	
75-09-2	Methylene chloride [c]	11.9	11	5.6	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	28	9.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.6	1.7	ug/kg	
91-20-3	Naphthalene	ND	5.6	2.2	ug/kg	
76-01-7	Pentachloroethane	ND	28	5.6	ug/kg	
107-12-0	Propionitrile	ND	56	13	ug/kg	
103-65-1	n-Propylbenzene	45.6	5.6	1.3	ug/kg	
100-42-5	Styrene	ND	5.6	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.6	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.6	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.6	2.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.6	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.6	2.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.6	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB63-28		
Lab Sample ID:	F62142-2	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	80.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	15.6	5.6	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	13.4	5.6	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.6	1.3	ug/kg	
108-88-3	Toluene	ND	5.6	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.6	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.6	2.2	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	28	5.6	ug/kg	
75-01-4	Vinyl chloride	ND	5.6	2.2	ug/kg	
108-05-4	Vinyl Acetate	ND	28	13	ug/kg	
	m,p-Xylene	7.0	11	2.1	ug/kg	J
95-47-6	o-Xylene	2.0	5.6	1.1	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%	97%	80-121%
2037-26-5	Toluene-D8	96%	93%	71-130%
460-00-4	4-Bromofluorobenzene	99%	101%	59-148%
17060-07-0	1,2-Dichloroethane-D4	103%	110%	77-123%

(a) Sample analyzed beyond hold time; reported results are considered minimum values.
(b) Result is from Run# 2
(c) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB63-28		
Lab Sample ID:	F62142-2	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8015 SW846 5030A	**Percent Solids:**	80.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045414.D	1	12/20/08	AH	12/11/08 09:47	n/a	GQR1972
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.25 g	5.0 ml	10.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	433	71	36	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%		56-136%
98-08-8	aaa-Trifluorotoluene	104%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB63-28		
Lab Sample ID:	F62142-2	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	80.6
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24653.D	1	12/19/08	NY	12/12/08	OP27436	GLL918
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.2	mg/kg	
	TPH (> C22-C36)	ND	10	6.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	83%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB63-35		
Lab Sample ID:	F62142-3	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	82.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0055163.D	1	12/26/08	MM	12/11/08 09:56	n/a	VG2081
Run #2							

	Initial Weight
Run #1	5.25 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	58	29	ug/kg	
75-05-8	Acetonitrile	ND	58	18	ug/kg	
107-02-8	Acrolein	ND	29	11	ug/kg	
107-13-1	Acrylonitrile	ND	29	7.9	ug/kg	
107-05-1	Allyl chloride	ND	29	5.8	ug/kg	
71-43-2	Benzene	ND	5.8	1.2	ug/kg	
100-44-7	Benzyl Chloride	ND	5.8	1.3	ug/kg	
108-86-1	Bromobenzene	ND	5.8	1.2	ug/kg	
74-97-5	Bromochloromethane	ND	5.8	2.0	ug/kg	
75-27-4	Bromodichloromethane	ND	5.8	1.4	ug/kg	
75-25-2	Bromoform	ND	5.8	1.7	ug/kg	
104-51-8	n-Butylbenzene	ND	5.8	1.6	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.8	1.3	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.8	1.3	ug/kg	
108-90-7	Chlorobenzene	ND	5.8	1.2	ug/kg	
75-00-3	Chloroethane	ND	5.8	2.3	ug/kg	
67-66-3	Chloroform	ND	5.8	2.0	ug/kg	
544-10-5	1-Chlorohexane	ND	5.8	1.5	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.8	1.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.8	1.2	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	29	12	ug/kg	
75-15-0	Carbon disulfide	2.1	5.8	1.3	ug/kg	J
56-23-5	Carbon tetrachloride	ND	5.8	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.8	2.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.8	1.5	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.8	1.6	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.8	2.8	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.8	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.8	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.8	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.8	1.2	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.8	2.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB63-35		
Lab Sample ID:	F62142-3	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	82.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.8	1.2	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.8	2.3	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.8	1.8	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.8	1.5	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	29	5.8	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.8	1.2	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.8	1.2	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.8	1.2	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.8	1.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.8	1.2	ug/kg	
100-41-4	Ethylbenzene	ND	5.8	1.2	ug/kg	
97-63-2	Ethyl methacrylate	ND	29	5.8	ug/kg	
76-13-1	Freon 113	ND	5.8	3.0	ug/kg	
591-78-6	2-Hexanone	ND	29	5.8	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.8	1.4	ug/kg	
110-54-3	Hexane	ND	5.8	2.8	ug/kg	
98-82-8	Isopropylbenzene	ND	5.8	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.8	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	29	7.4	ug/kg	
126-98-7	Methacrylonitrile	ND	29	6.3	ug/kg	
74-83-9	Methyl bromide	ND	5.8	2.5	ug/kg	
74-87-3	Methyl chloride	ND	5.8	2.8	ug/kg	
74-88-4	Methyl iodide	ND	12	2.3	ug/kg	
80-62-6	Methyl methacrylate	ND	29	5.8	ug/kg	
74-95-3	Methylene bromide	ND	5.8	1.7	ug/kg	
75-09-2	Methylene chloride [b]	6.7	12	5.8	ug/kg	JB
78-93-3	Methyl ethyl ketone	ND	29	9.6	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.8	1.7	ug/kg	
91-20-3	Naphthalene	ND	5.8	2.3	ug/kg	
76-01-7	Pentachloroethane	ND	29	5.8	ug/kg	
107-12-0	Propionitrile	ND	58	14	ug/kg	
103-65-1	n-Propylbenzene	ND	5.8	1.4	ug/kg	
100-42-5	Styrene	ND	5.8	1.2	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.8	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.8	1.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.8	2.1	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.8	1.2	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.8	2.3	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.8	2.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.8	2.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB63-35		
Lab Sample ID:	F62142-3	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	82.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.8	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.8	1.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.8	1.4	ug/kg	
108-88-3	Toluene	ND	5.8	1.2	ug/kg	
79-01-6	Trichloroethylene	ND	5.8	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.8	2.3	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	29	5.8	ug/kg	
75-01-4	Vinyl chloride	ND	5.8	2.3	ug/kg	
108-05-4	Vinyl Acetate	ND	29	14	ug/kg	
	m,p-Xylene	ND	12	2.2	ug/kg	
95-47-6	o-Xylene	ND	5.8	1.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-121%
2037-26-5	Toluene-D8	93%		71-130%
460-00-4	4-Bromofluorobenzene	98%		59-148%
17060-07-0	1,2-Dichloroethane-D4	118%		77-123%

(a) Sample analyzed beyond hold time; reported results are considered minimum values.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB63-35		
Lab Sample ID:	F62142-3	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8015 SW846 5030A	**Percent Solids:**	82.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045372.D	1	12/19/08	AH	12/11/08 09:56	n/a	GQR1971
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.43 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.6	3.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%		56-136%
98-08-8	aaa-Trifluorotoluene	77%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB63-35		
Lab Sample ID:	F62142-3	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	82.7
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24654.D	1	12/19/08	NY	12/12/08	OP27436	GLL918
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.0	mg/kg	
	TPH (> C22-C36)	ND	10	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB64-20		
Lab Sample ID:	F62142-4	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	83.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0055141.D	1	12/24/08	MM	12/11/08 09:56	n/a	VG2080
Run #2							

	Initial Weight
Run #1	5.72 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	52	26	ug/kg	
75-05-8	Acetonitrile	ND	52	17	ug/kg	
107-02-8	Acrolein	ND	26	10	ug/kg	
107-13-1	Acrylonitrile	ND	26	7.2	ug/kg	
107-05-1	Allyl chloride	ND	26	5.2	ug/kg	
71-43-2	Benzene	ND	5.2	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.2	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.2	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.2	1.8	ug/kg	
75-27-4	Bromodichloromethane	ND	5.2	1.3	ug/kg	
75-25-2	Bromoform	ND	5.2	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	5.2	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.2	1.1	ug/kg	
98-06-6	tert-Butylbenzene	1.9	5.2	1.1	ug/kg	J
108-90-7	Chlorobenzene	ND	5.2	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.2	2.1	ug/kg	
67-66-3	Chloroform	ND	5.2	1.8	ug/kg	
544-10-5	1-Chlorohexane	ND	5.2	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.2	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.2	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	26	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.2	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.2	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.2	2.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.2	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.2	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.2	2.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.2	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.2	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.2	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.2	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.2	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB64-20		
Lab Sample ID:	F62142-4	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	83.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.2	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.2	2.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.2	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.2	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	26	5.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.2	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.2	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.2	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.2	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.2	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.2	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	26	5.2	ug/kg	
76-13-1	Freon 113	ND	5.2	2.7	ug/kg	
591-78-6	2-Hexanone	ND	26	5.2	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.2	1.3	ug/kg	
110-54-3	Hexane	ND	5.2	2.5	ug/kg	
98-82-8	Isopropylbenzene	ND	5.2	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.2	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	26	6.7	ug/kg	
126-98-7	Methacrylonitrile	ND	26	5.7	ug/kg	
74-83-9	Methyl bromide	ND	5.2	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.2	2.5	ug/kg	
74-88-4	Methyl iodide	ND	10	2.1	ug/kg	
80-62-6	Methyl methacrylate	ND	26	5.2	ug/kg	
74-95-3	Methylene bromide	ND	5.2	1.6	ug/kg	
75-09-2	Methylene chloride	ND	10	5.2	ug/kg	
78-93-3	Methyl ethyl ketone	ND	26	8.6	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.2	1.6	ug/kg	
91-20-3	Naphthalene	ND	5.2	2.1	ug/kg	
76-01-7	Pentachloroethane	ND	26	5.2	ug/kg	
107-12-0	Propionitrile	ND	52	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.2	1.3	ug/kg	
100-42-5	Styrene	ND	5.2	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.2	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.2	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.2	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.2	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.2	2.1	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.2	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.2	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB64-20		
Lab Sample ID:	F62142-4	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	83.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.2	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.2	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.2	1.3	ug/kg	
108-88-3	Toluene	ND	5.2	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.2	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.2	2.1	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	26	5.2	ug/kg	
75-01-4	Vinyl chloride	ND	5.2	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	26	13	ug/kg	
	m,p-Xylene	ND	10	2.0	ug/kg	
95-47-6	o-Xylene	ND	5.2	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-121%
2037-26-5	Toluene-D8	92%		71-130%
460-00-4	4-Bromofluorobenzene	93%		59-148%
17060-07-0	1,2-Dichloroethane-D4	111%		77-123%

(a) Sample analyzed beyond hold time; reported results are considered minimum values.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB64-20		
Lab Sample ID:	F62142-4	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8015 SW846 5030A	**Percent Solids:**	83.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045373.D	1	12/19/08	AH	12/11/08 09:56	n/a	GQR1971
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.76 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.1	3.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	80%		56-136%
98-08-8	aaa-Trifluorotoluene	80%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB64-20		
Lab Sample ID:	F62142-4	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	83.9
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24655.D	1	12/19/08	NY	12/12/08	OP27436	GLL918
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.9	5.9	mg/kg	
	TPH (> C22-C36)	ND	9.9	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB64-25		
Lab Sample ID:	F62142-5	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	81.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0055138.D	1	12/24/08	MM	12/11/08 09:56	n/a	VG2080
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.89 g	5.0 ml	100 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3700	1800	ug/kg	
75-05-8	Acetonitrile	ND	3700	1200	ug/kg	
107-02-8	Acrolein	ND	1800	720	ug/kg	
107-13-1	Acrylonitrile	ND	1800	510	ug/kg	
107-05-1	Allyl chloride	ND	1800	370	ug/kg	
71-43-2	Benzene	538	370	74	ug/kg	
100-44-7	Benzyl Chloride	ND	370	81	ug/kg	
108-86-1	Bromobenzene	ND	370	74	ug/kg	
74-97-5	Bromochloromethane	ND	370	130	ug/kg	
75-27-4	Bromodichloromethane	ND	370	88	ug/kg	
75-25-2	Bromoform	ND	370	110	ug/kg	
104-51-8	n-Butylbenzene	ND	370	100	ug/kg	
135-98-8	sec-Butylbenzene	106	370	81	ug/kg	J
98-06-6	tert-Butylbenzene	ND	370	81	ug/kg	
108-90-7	Chlorobenzene	ND	370	74	ug/kg	
75-00-3	Chloroethane	ND	370	150	ug/kg	
67-66-3	Chloroform	ND	370	130	ug/kg	
544-10-5	1-Chlorohexane	ND	370	96	ug/kg	
95-49-8	o-Chlorotoluene	ND	370	74	ug/kg	
106-43-4	p-Chlorotoluene	ND	370	74	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1800	740	ug/kg	
75-15-0	Carbon disulfide	ND	370	81	ug/kg	
56-23-5	Carbon tetrachloride	ND	370	100	ug/kg	
75-34-3	1,1-Dichloroethane	ND	370	150	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	370	96	ug/kg	
563-58-6	1,1-Dichloropropene	ND	370	100	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	370	180	ug/kg	
106-93-4	1,2-Dibromoethane	ND	370	74	ug/kg	
107-06-2	1,2-Dichloroethane	ND	370	81	ug/kg	
78-87-5	1,2-Dichloropropane	ND	370	100	ug/kg	
142-28-9	1,3-Dichloropropane	ND	370	74	ug/kg	
594-20-7	2,2-Dichloropropane	ND	370	150	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB64-25		
Lab Sample ID:	F62142-5	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	81.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	370	74	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	370	150	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	370	120	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	370	96	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	1800	370	ug/kg	
541-73-1	m-Dichlorobenzene	ND	370	74	ug/kg	
95-50-1	o-Dichlorobenzene	ND	370	74	ug/kg	
106-46-7	p-Dichlorobenzene	ND	370	74	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	370	88	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	370	74	ug/kg	
100-41-4	Ethylbenzene	373	370	74	ug/kg	
97-63-2	Ethyl methacrylate	ND	1800	370	ug/kg	
76-13-1	Freon 113	ND	370	190	ug/kg	
591-78-6	2-Hexanone	ND	1800	370	ug/kg	
87-68-3	Hexachlorobutadiene	ND	370	88	ug/kg	
110-54-3	Hexane	ND	370	180	ug/kg	
98-82-8	Isopropylbenzene	8520	370	81	ug/kg	
99-87-6	p-Isopropyltoluene	ND	370	81	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1800	470	ug/kg	
126-98-7	Methacrylonitrile	ND	1800	400	ug/kg	
74-83-9	Methyl bromide	ND	370	160	ug/kg	
74-87-3	Methyl chloride	ND	370	180	ug/kg	
74-88-4	Methyl iodide	ND	740	150	ug/kg	
80-62-6	Methyl methacrylate	ND	1800	370	ug/kg	
74-95-3	Methylene bromide	ND	370	110	ug/kg	
75-09-2	Methylene chloride	ND	740	370	ug/kg	
78-93-3	Methyl ethyl ketone	ND	1800	610	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	370	110	ug/kg	
91-20-3	Naphthalene	ND	370	150	ug/kg	
76-01-7	Pentachloroethane	ND	1800	370	ug/kg	
107-12-0	Propionitrile	ND	3700	880	ug/kg	
103-65-1	n-Propylbenzene	149	370	88	ug/kg	J
100-42-5	Styrene	ND	370	74	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	370	74	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	370	81	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	370	130	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	370	74	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	370	150	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	370	140	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	370	150	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB64-25		
Lab Sample ID:	F62142-5	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	81.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	134	370	74	ug/kg	J
108-67-8	1,3,5-Trimethylbenzene	ND	370	74	ug/kg	
127-18-4	Tetrachloroethylene	ND	370	88	ug/kg	
108-88-3	Toluene	ND	370	74	ug/kg	
79-01-6	Trichloroethylene	ND	370	88	ug/kg	
75-69-4	Trichlorofluoromethane	ND	370	150	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	1800	370	ug/kg	
75-01-4	Vinyl chloride	ND	370	150	ug/kg	
108-05-4	Vinyl Acetate	ND	1800	880	ug/kg	
	m,p-Xylene	ND	740	140	ug/kg	
95-47-6	o-Xylene	ND	370	74	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		80-121%
2037-26-5	Toluene-D8	93%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	102%		77-123%

(a) Sample analyzed beyond hold time; reported results are considered minimum values.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB64-25		
Lab Sample ID:	F62142-5	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8015 SW846 5030A	**Percent Solids:**	81.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045415.D	1	12/20/08	AH	12/11/08 09:56	n/a	GQR1972
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.89 g	5.0 ml	50.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	88.9	15	7.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	98%		56-136%
98-08-8	aaa-Trifluorotoluene	111%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB64-25		
Lab Sample ID:	F62142-5	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	81.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24659.D	1	12/19/08	NY	12/12/08	OP27436	GLL918
Run #2							

	Initial Weight	Final Volume
Run #1	29.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.2	mg/kg	
	TPH (> C22-C36)	ND	10	6.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	81%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB64-35		
Lab Sample ID:	F62142-6	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	81.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0055142.D	1	12/24/08	MM	12/11/08 09:56	n/a	VG2080
Run #2							

	Initial Weight
Run #1	4.32 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [b]	174	71	36	ug/kg	
75-05-8	Acetonitrile	ND	71	23	ug/kg	
107-02-8	Acrolein	ND	36	14	ug/kg	
107-13-1	Acrylonitrile	ND	36	9.8	ug/kg	
107-05-1	Allyl chloride	ND	36	7.1	ug/kg	
71-43-2	Benzene	ND	7.1	1.4	ug/kg	
100-44-7	Benzyl Chloride	ND	7.1	1.6	ug/kg	
108-86-1	Bromobenzene	ND	7.1	1.4	ug/kg	
74-97-5	Bromochloromethane	ND	7.1	2.4	ug/kg	
75-27-4	Bromodichloromethane	ND	7.1	1.7	ug/kg	
75-25-2	Bromoform	ND	7.1	2.1	ug/kg	
104-51-8	n-Butylbenzene	ND	7.1	2.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	7.1	1.6	ug/kg	
98-06-6	tert-Butylbenzene	ND	7.1	1.6	ug/kg	
108-90-7	Chlorobenzene	ND	7.1	1.4	ug/kg	
75-00-3	Chloroethane	ND	7.1	2.8	ug/kg	
67-66-3	Chloroform	ND	7.1	2.4	ug/kg	
544-10-5	1-Chlorohexane	ND	7.1	1.8	ug/kg	
95-49-8	o-Chlorotoluene	ND	7.1	1.4	ug/kg	
106-43-4	p-Chlorotoluene	ND	7.1	1.4	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	36	14	ug/kg	
75-15-0	Carbon disulfide	ND	7.1	1.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	7.1	2.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.1	2.8	ug/kg	
75-35-4	1,1-Dichloroethylene	5.2	7.1	1.8	ug/kg	J
563-58-6	1,1-Dichloropropene	ND	7.1	2.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	7.1	3.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	7.1	1.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7.1	1.6	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.1	2.0	ug/kg	
142-28-9	1,3-Dichloropropane	ND	7.1	1.4	ug/kg	
594-20-7	2,2-Dichloropropane	ND	7.1	3.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB64-35		
Lab Sample ID:	F62142-6	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	81.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	7.1	1.4	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	7.1	2.8	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	7.1	2.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.1	1.8	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	36	7.1	ug/kg	
541-73-1	m-Dichlorobenzene	ND	7.1	1.4	ug/kg	
95-50-1	o-Dichlorobenzene	ND	7.1	1.4	ug/kg	
106-46-7	p-Dichlorobenzene	ND	7.1	1.4	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	7.1	1.7	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	7.1	1.4	ug/kg	
100-41-4	Ethylbenzene	ND	7.1	1.4	ug/kg	
97-63-2	Ethyl methacrylate	ND	36	7.1	ug/kg	
76-13-1	Freon 113	ND	7.1	3.7	ug/kg	
591-78-6	2-Hexanone	ND	36	7.1	ug/kg	
87-68-3	Hexachlorobutadiene	ND	7.1	1.7	ug/kg	
110-54-3	Hexane	ND	7.1	3.4	ug/kg	
98-82-8	Isopropylbenzene	ND	7.1	1.6	ug/kg	
99-87-6	p-Isopropyltoluene	ND	7.1	1.6	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	36	9.1	ug/kg	
126-98-7	Methacrylonitrile	ND	36	7.8	ug/kg	
74-83-9	Methyl bromide	ND	7.1	3.1	ug/kg	
74-87-3	Methyl chloride	ND	7.1	3.4	ug/kg	
74-88-4	Methyl iodide	ND	14	2.8	ug/kg	
80-62-6	Methyl methacrylate	ND	36	7.1	ug/kg	
74-95-3	Methylene bromide	ND	7.1	2.1	ug/kg	
75-09-2	Methylene chloride [c]	25.9	14	7.1	ug/kg	B
78-93-3	Methyl ethyl ketone	ND	36	12	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	7.1	2.1	ug/kg	
91-20-3	Naphthalene	ND	7.1	2.8	ug/kg	
76-01-7	Pentachloroethane	ND	36	7.1	ug/kg	
107-12-0	Propionitrile	ND	71	17	ug/kg	
103-65-1	n-Propylbenzene	ND	7.1	1.7	ug/kg	
100-42-5	Styrene	ND	7.1	1.4	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	7.1	1.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.1	1.6	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.1	2.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	7.1	1.4	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	7.1	2.8	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	7.1	2.7	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	7.1	2.8	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB64-35		
Lab Sample ID:	F62142-6	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	81.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	7.1	1.4	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	7.1	1.4	ug/kg	
127-18-4	Tetrachloroethylene	ND	7.1	1.7	ug/kg	
108-88-3	Toluene	ND	7.1	1.4	ug/kg	
79-01-6	Trichloroethylene	ND	7.1	1.7	ug/kg	
75-69-4	Trichlorofluoromethane	ND	7.1	2.8	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	36	7.1	ug/kg	
75-01-4	Vinyl chloride	ND	7.1	2.8	ug/kg	
108-05-4	Vinyl Acetate	ND	36	17	ug/kg	
	m,p-Xylene	ND	14	2.7	ug/kg	
95-47-6	o-Xylene	ND	7.1	1.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-121%
2037-26-5	Toluene-D8	91%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	109%		77-123%

(a) Sample analyzed beyond hold time; reported results are considered minimum values.
(b) ICV outside of control limits; results may be biased high; suspected laboratory contaminant.
(c) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB64-35		
Lab Sample ID:	F62142-6	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8015 SW846 5030A	**Percent Solids:**	81.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045379.D	1	12/19/08	AH	12/11/08 09:56	n/a	GQR1971
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.21 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.0	3.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	72%		56-136%
98-08-8	aaa-Trifluorotoluene	82%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB64-35		
Lab Sample ID:	F62142-6	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	81.5
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24660.D	1	12/19/08	NY	12/12/08	OP27436	GLL918
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.1	mg/kg	
	TPH (> C22-C36)	ND	10	6.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	84%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F62142-7	**Date Sampled:**	12/09/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/11/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G0055143.D	1	12/24/08	MM	n/a	n/a	VG2080
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F62142-7	**Date Sampled:**	12/09/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/11/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride [b]	7.3	10	5.0	ug/kg	JB
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F62142-7	**Date Sampled:**	12/09/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/11/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-121%
2037-26-5	Toluene-D8	89%		71-130%
460-00-4	4-Bromofluorobenzene	98%		59-148%
17060-07-0	1,2-Dichloroethane-D4	108%		77-123%

(a) Sample analyzed beyond hold time; reported results are considered minimum values.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

F62142

Page 1 of 1

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number [1]: 12-10-2008-1

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Dustin McNeil / Greg Kinsman

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)					Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
									Sample Analysis Requested [5]									Quality Assurance Samples [6]			
1	SS61-SB63-16	SS61-SB63	09-Dec-2008	0950	14 - 16	N	01	SO	5	X	X	X									1
2	SS61-SB63-28	SS61-SB63	09-Dec-2008	1000	26 - 28	N	01	SO	5	X	X	X									1
3	SS61-SB63-35	SS61-SB63	09-Dec-2008	1010	33 - 35	N	01	SO	5	X	X	X									1
4	SS61-SB64-20	SS61-SB64	09-Dec-2008	1250	18 - 20	N	01	SO	5	X	X	X									1
5	SS61-SB64-25	SS61-SB64	09-Dec-2008	1300	23 - 25	N	01	SO	5	X	X	X									1
6	SS61-SB64-35	SS61-SB64	09-Dec-2008	1310	33 - 35	N	01	SO	5	X	X	X									1
7	Trip Blank				-	TB		WQ	3	X											1
					-																
					-																
					-																
					-																

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time		Received by (signed)	Date	Time
1.	J.M.	12/10/08	1400	1.	FX		
2.	FX	12/11/08	9:20	2.	CLQ	12/11/08	9:20
3.				3.			

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: _____ Shipped No.: _____

Method of Shipment: _____ Airbill Number: _____

Analytical Lab: Accutest Laboratories Delivery Location: _____

Lab Recipient: _____ Delivery Date/Time: _____

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-s) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

7 8

F62142: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F62142 CLIENT: RHATE PROJECT: SS-61

DATE/TIME RECEIVED: 12/11/08 9:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.8

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8683 0096 6760

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [X] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO-BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 24

NUMBER OF 5035 FIELD KITS ? TB

NUMBER OF LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE: 12/11/08 TECHNICIAN SIGNATURE/DATE: ASBD 12/17/07

F62142: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F62142
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2080-MB	G0055131.D	1	12/24/08	MM	n/a	n/a	VG2080

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62142-1, F62142-2, F62142-4, F62142-5, F62142-6, F62142-7

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F62142
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2080-MB	G0055131.D	1	12/24/08	MM	n/a	n/a	VG2080

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62142-1, F62142-2, F62142-4, F62142-5, F62142-6, F62142-7

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	7.6	10	5.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F62142
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2080-MB	G0055131.D	1	12/24/08	MM	n/a	n/a	VG2080

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62142-1, F62142-2, F62142-4, F62142-5, F62142-6, F62142-7

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	80-121%
2037-26-5	Toluene-D8	93%	71-130%
460-00-4	4-Bromofluorobenzene	102%	59-148%
17060-07-0	1,2-Dichloroethane-D4	106%	77-123%

Method Blank Summary

Job Number: F62142
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2081-MB	G0055161.D	1	12/26/08	MM	n/a	n/a	VG2081

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62142-2, F62142-3

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F62142
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2081-MB	G0055161.D	1	12/26/08	MM	n/a	n/a	VG2081

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62142-2, F62142-3

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	8.0	10	5.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F62142
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2081-MB	G0055161.D	1	12/26/08	MM	n/a	n/a	VG2081

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62142-2, F62142-3

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	106%	80-121%
2037-26-5	Toluene-D8	91%	71-130%
460-00-4	4-Bromofluorobenzene	96%	59-148%
17060-07-0	1,2-Dichloroethane-D4	113%	77-123%

Blank Spike Summary

Job Number: F62142
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2080-BS	G0055130.D	1	12/24/08	MM	n/a	n/a	VG2080

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62142-1, F62142-2, F62142-4, F62142-5, F62142-6, F62142-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	105	42*	61-144
75-05-8	Acetonitrile	500	331	66	59-139
107-02-8	Acrolein	250	73.9	30	27-156
107-13-1	Acrylonitrile	250	183	73	55-144
107-05-1	Allyl chloride	50	50.6	101	41-152
71-43-2	Benzene	50	55.9	112	78-130
100-44-7	Benzyl Chloride	50	34.8	70*	74-130
108-86-1	Bromobenzene	50	52.9	106	78-123
74-97-5	Bromochloromethane	50	44.1	88	72-122
75-27-4	Bromodichloromethane	50	44.6	89	73-122
75-25-2	Bromoform	50	34.4	69*	70-139
104-51-8	n-Butylbenzene	50	60.4	121	80-138
135-98-8	sec-Butylbenzene	50	60.1	120	82-132
98-06-6	tert-Butylbenzene	50	60.9	122	79-130
108-90-7	Chlorobenzene	50	54.5	109	83-122
75-00-3	Chloroethane	50	51.2	102	61-153
67-66-3	Chloroform	50	54.6	109	79-129
544-10-5	1-Chlorohexane	50	59.9	120	85-137
95-49-8	o-Chlorotoluene	50	56.0	112	77-123
106-43-4	p-Chlorotoluene	50	58.3	117	78-129
110-75-8	2-Chloroethyl vinyl ether	250	239	96	52-142
75-15-0	Carbon disulfide	50	51.9	104	61-142
56-23-5	Carbon tetrachloride	50	59.1	118	79-135
75-34-3	1,1-Dichloroethane	50	57.5	115	77-132
75-35-4	1,1-Dichloroethylene	50	58.5	117	66-132
563-58-6	1,1-Dichloropropene	50	57.1	114	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	33.0	66*	67-129
106-93-4	1,2-Dibromoethane	50	37.4	75*	77-126
107-06-2	1,2-Dichloroethane	50	45.1	90	78-129
78-87-5	1,2-Dichloropropane	50	50.5	101	74-127
142-28-9	1,3-Dichloropropane	50	41.4	83	78-118
594-20-7	2,2-Dichloropropane	50	54.3	109	80-137
124-48-1	Dibromochloromethane	50	41.4	83	78-117
75-71-8	Dichlorodifluoromethane	50	53.3	107	35-162
156-59-2	cis-1,2-Dichloroethylene	50	51.6	103	74-123
10061-01-5	cis-1,3-Dichloropropene	50	47.9	96	79-130

Blank Spike Summary

Job Number: F62142
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2080-BS	G0055130.D	1	12/24/08	MM	n/a	n/a	VG2080

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62142-1, F62142-2, F62142-4, F62142-5, F62142-6, F62142-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	37.5	75	71-126
541-73-1	m-Dichlorobenzene	50	57.3	115	82-126
95-50-1	o-Dichlorobenzene	50	52.0	104	83-123
106-46-7	p-Dichlorobenzene	50	55.1	110	84-124
156-60-5	trans-1,2-Dichloroethylene	50	57.6	115	77-129
10061-02-6	trans-1,3-Dichloropropene	50	47.1	94	87-131
100-41-4	Ethylbenzene	50	55.0	110	82-124
97-63-2	Ethyl methacrylate	50	35.4	71*	78-118
76-13-1	Freon 113	50	58.5	117	62-147
591-78-6	2-Hexanone	250	130	52*	67-130
87-68-3	Hexachlorobutadiene	50	66.4	133	77-150
110-54-3	Hexane	50	66.3	133	65-147
98-82-8	Isopropylbenzene	50	56.9	114	82-133
99-87-6	p-Isopropyltoluene	50	61.9	124	82-132
108-10-1	4-Methyl-2-pentanone	250	157	63*	69-125
126-98-7	Methacrylonitrile	500	361	72	70-138
74-83-9	Methyl bromide	50	57.6	115	60-146
74-87-3	Methyl chloride	50	53.2	106	58-163
74-88-4	Methyl iodide	50	47.3	95	66-128
80-62-6	Methyl methacrylate	50	36.2	72*	73-125
74-95-3	Methylene bromide	50	43.9	88	75-128
75-09-2	Methylene chloride	50	52.8	106	62-140
78-93-3	Methyl ethyl ketone	250	129	52*	66-134
1634-04-4	Methyl Tert Butyl Ether	50	38.3	77	70-131
91-20-3	Naphthalene	50	37.1	74	59-143
76-01-7	Pentachloroethane	50	59.2	118	64-156
107-12-0	Propionitrile	500	345	69*	73-133
103-65-1	n-Propylbenzene	50	59.9	120	78-129
100-42-5	Styrene	50	51.1	102	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	48.5	97	81-121
71-55-6	1,1,1-Trichloroethane	50	56.9	114	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	36.9	74	70-128
79-00-5	1,1,2-Trichloroethane	50	40.7	81	76-118
87-61-6	1,2,3-Trichlorobenzene	50	50.0	100	78-136
96-18-4	1,2,3-Trichloropropane	50	36.5	73*	74-125
120-82-1	1,2,4-Trichlorobenzene	50	54.3	109	82-137

Blank Spike Summary

Job Number: F62142
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2080-BS	G0055130.D	1	12/24/08	MM	n/a	n/a	VG2080

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62142-1, F62142-2, F62142-4, F62142-5, F62142-6, F62142-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	57.4	115	77-129
108-67-8	1,3,5-Trimethylbenzene	50	59.4	119	79-129
127-18-4	Tetrachloroethylene	50	58.2	116	79-132
108-88-3	Toluene	50	55.1	110	80-123
79-01-6	Trichloroethylene	50	57.1	114	78-132
75-69-4	Trichlorofluoromethane	50	55.5	111	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	77.3	155*	74-138
75-01-4	Vinyl chloride	50	50.9	102	60-145
108-05-4	Vinyl Acetate	250	168	67	25-164
	m,p-Xylene	100	113	113	82-128
95-47-6	o-Xylene	50	52.9	106	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	95%	80-121%
2037-26-5	Toluene-D8	98%	71-130%
460-00-4	4-Bromofluorobenzene	101%	59-148%
17060-07-0	1,2-Dichloroethane-D4	84%	77-123%

Blank Spike Summary

Job Number: F62142
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2080-BS	G0055146.D	1	12/24/08	MM	n/a	n/a	VG2080

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62142-1, F62142-2, F62142-4, F62142-5, F62142-6, F62142-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	131	52*	61-144
75-05-8	Acetonitrile	500	340	68	59-139
107-02-8	Acrolein	250	46.0	18*	27-156
107-13-1	Acrylonitrile	250	244	98	55-144
107-05-1	Allyl chloride	50	48.6	97	41-152
71-43-2	Benzene	50	53.4	107	78-130
100-44-7	Benzyl Chloride	50	40.3	81	74-130
108-86-1	Bromobenzene	50	51.4	103	78-123
74-97-5	Bromochloromethane	50	46.2	92	72-122
75-27-4	Bromodichloromethane	50	48.0	96	73-122
75-25-2	Bromoform	50	39.2	78	70-139
104-51-8	n-Butylbenzene	50	52.2	104	80-138
135-98-8	sec-Butylbenzene	50	53.0	106	82-132
98-06-6	tert-Butylbenzene	50	53.6	107	79-130
108-90-7	Chlorobenzene	50	49.6	99	83-122
75-00-3	Chloroethane	50	47.6	95	61-153
67-66-3	Chloroform	50	53.4	107	79-129
544-10-5	1-Chlorohexane	50	56.1	112	85-137
95-49-8	o-Chlorotoluene	50	50.8	102	77-123
106-43-4	p-Chlorotoluene	50	50.8	102	78-129
110-75-8	2-Chloroethyl vinyl ether	250	303	121	52-142
75-15-0	Carbon disulfide	50	49.5	99	61-142
56-23-5	Carbon tetrachloride	50	57.4	115	79-135
75-34-3	1,1-Dichloroethane	50	54.8	110	77-132
75-35-4	1,1-Dichloroethylene	50	58.9	118	66-132
563-58-6	1,1-Dichloropropene	50	55.9	112	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	39.4	79	67-129
106-93-4	1,2-Dibromoethane	50	41.1	82	77-126
107-06-2	1,2-Dichloroethane	50	47.1	94	78-129
78-87-5	1,2-Dichloropropane	50	49.1	98	74-127
142-28-9	1,3-Dichloropropane	50	44.2	88	78-118
594-20-7	2,2-Dichloropropane	50	55.5	111	80-137
124-48-1	Dibromochloromethane	50	43.5	87	78-117
75-71-8	Dichlorodifluoromethane	50	58.3	117	35-162
156-59-2	cis-1,2-Dichloroethylene	50	49.5	99	74-123
10061-01-5	cis-1,3-Dichloropropene	50	49.7	99	79-130

Blank Spike Summary

Job Number: F62142
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2080-BS	G0055146.D	1	12/24/08	MM	n/a	n/a	VG2080

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62142-1, F62142-2, F62142-4, F62142-5, F62142-6, F62142-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	44.4	89	71-126
541-73-1	m-Dichlorobenzene	50	52.0	104	82-126
95-50-1	o-Dichlorobenzene	50	50.4	101	83-123
106-46-7	p-Dichlorobenzene	50	52.5	105	84-124
156-60-5	trans-1,2-Dichloroethylene	50	57.0	114	77-129
10061-02-6	trans-1,3-Dichloropropene	50	49.0	98	87-131
100-41-4	Ethylbenzene	50	51.1	102	82-124
97-63-2	Ethyl methacrylate	50	40.9	82	78-118
76-13-1	Freon 113	50	56.6	113	62-147
591-78-6	2-Hexanone	250	175	70	67-130
87-68-3	Hexachlorobutadiene	50	59.5	119	77-150
110-54-3	Hexane	50	69.1	138	65-147
98-82-8	Isopropylbenzene	50	51.8	104	82-133
99-87-6	p-Isopropyltoluene	50	53.3	107	82-132
108-10-1	4-Methyl-2-pentanone	250	196	78	69-125
126-98-7	Methacrylonitrile	500	426	85	70-138
74-83-9	Methyl bromide	50	54.5	109	60-146
74-87-3	Methyl chloride	50	52.1	104	58-163
74-88-4	Methyl iodide	50	46.4	93	66-128
80-62-6	Methyl methacrylate	50	44.2	88	73-125
74-95-3	Methylene bromide	50	47.7	95	75-128
75-09-2	Methylene chloride	50	50.8	102	62-140
78-93-3	Methyl ethyl ketone	250	167	67	66-134
1634-04-4	Methyl Tert Butyl Ether	50	44.2	88	70-131
91-20-3	Naphthalene	50	44.4	89	59-143
76-01-7	Pentachloroethane	50	54.6	109	64-156
107-12-0	Propionitrile	500	424	85	73-133
103-65-1	n-Propylbenzene	50	53.2	106	78-129
100-42-5	Styrene	50	49.7	99	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	46.5	93	81-121
71-55-6	1,1,1-Trichloroethane	50	55.0	110	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	43.1	86	70-128
79-00-5	1,1,2-Trichloroethane	50	43.3	87	76-118
87-61-6	1,2,3-Trichlorobenzene	50	49.3	99	78-136
96-18-4	1,2,3-Trichloropropane	50	36.5	73*	74-125
120-82-1	1,2,4-Trichlorobenzene	50	51.9	104	82-137

Blank Spike Summary

Job Number: F62142
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2080-BS	G0055146.D	1	12/24/08	MM	n/a	n/a	VG2080

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62142-1, F62142-2, F62142-4, F62142-5, F62142-6, F62142-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	52.1	104	77-129
108-67-8	1,3,5-Trimethylbenzene	50	51.4	103	79-129
127-18-4	Tetrachloroethylene	50	55.9	112	79-132
108-88-3	Toluene	50	50.4	101	80-123
79-01-6	Trichloroethylene	50	55.6	111	78-132
75-69-4	Trichlorofluoromethane	50	55.8	112	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	88.8	178*	74-138
75-01-4	Vinyl chloride	50	50.3	101	60-145
108-05-4	Vinyl Acetate	250	217	87	25-164
	m,p-Xylene	100	104	104	82-128
95-47-6	o-Xylene	50	51.0	102	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	80-121%
2037-26-5	Toluene-D8	94%	71-130%
460-00-4	4-Bromofluorobenzene	99%	59-148%
17060-07-0	1,2-Dichloroethane-D4	103%	77-123%

Blank Spike Summary

Job Number: F62142
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2081-BS	G0055160.D	1	12/26/08	MM	n/a	n/a	VG2081

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62142-2, F62142-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	143	57*	61-144
75-05-8	Acetonitrile	500	397	79	59-139
107-02-8	Acrolein	250	325	130	27-156
107-13-1	Acrylonitrile	250	239	96	55-144
107-05-1	Allyl chloride	50	47.6	95	41-152
71-43-2	Benzene	50	52.0	104	78-130
100-44-7	Benzyl Chloride	50	40.2	80	74-130
108-86-1	Bromobenzene	50	48.0	96	78-123
74-97-5	Bromochloromethane	50	45.5	91	72-122
75-27-4	Bromodichloromethane	50	46.1	92	73-122
75-25-2	Bromoform	50	40.3	81	70-139
104-51-8	n-Butylbenzene	50	52.4	105	80-138
135-98-8	sec-Butylbenzene	50	50.3	101	82-132
98-06-6	tert-Butylbenzene	50	51.2	102	79-130
108-90-7	Chlorobenzene	50	49.2	98	83-122
75-00-3	Chloroethane	50	46.6	93	61-153
67-66-3	Chloroform	50	53.3	107	79-129
544-10-5	1-Chlorohexane	50	52.9	106	85-137
95-49-8	o-Chlorotoluene	50	49.8	100	77-123
106-43-4	p-Chlorotoluene	50	50.1	100	78-129
110-75-8	2-Chloroethyl vinyl ether	250	281	112	52-142
75-15-0	Carbon disulfide	50	48.0	96	61-142
56-23-5	Carbon tetrachloride	50	54.0	108	79-135
75-34-3	1,1-Dichloroethane	50	53.8	108	77-132
75-35-4	1,1-Dichloroethylene	50	54.0	108	66-132
563-58-6	1,1-Dichloropropene	50	54.7	109	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	38.2	76	67-129
106-93-4	1,2-Dibromoethane	50	40.1	80	77-126
107-06-2	1,2-Dichloroethane	50	47.2	94	78-129
78-87-5	1,2-Dichloropropane	50	48.4	97	74-127
142-28-9	1,3-Dichloropropane	50	42.7	85	78-118
594-20-7	2,2-Dichloropropane	50	48.9	98	80-137
124-48-1	Dibromochloromethane	50	41.1	82	78-117
75-71-8	Dichlorodifluoromethane	50	45.4	91	35-162
156-59-2	cis-1,2-Dichloroethylene	50	50.7	101	74-123
10061-01-5	cis-1,3-Dichloropropene	50	48.5	97	79-130

Blank Spike Summary

Job Number: F62142
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2081-BS	G0055160.D	1	12/26/08	MM	n/a	n/a	VG2081

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62142-2, F62142-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	43.6	87	71-126
541-73-1	m-Dichlorobenzene	50	50.7	101	82-126
95-50-1	o-Dichlorobenzene	50	47.8	96	83-123
106-46-7	p-Dichlorobenzene	50	50.9	102	84-124
156-60-5	trans-1,2-Dichloroethylene	50	55.0	110	77-129
10061-02-6	trans-1,3-Dichloropropene	50	48.4	97	87-131
100-41-4	Ethylbenzene	50	48.4	97	82-124
97-63-2	Ethyl methacrylate	50	40.5	81	78-118
76-13-1	Freon 113	50	53.3	107	62-147
591-78-6	2-Hexanone	250	171	68	67-130
87-68-3	Hexachlorobutadiene	50	57.4	115	77-150
110-54-3	Hexane	50	62.7	125	65-147
98-82-8	Isopropylbenzene	50	49.3	99	82-133
99-87-6	p-Isopropyltoluene	50	51.9	104	82-132
108-10-1	4-Methyl-2-pentanone	250	192	77	69-125
126-98-7	Methacrylonitrile	500	433	87	70-138
74-83-9	Methyl bromide	50	50.1	100	60-146
74-87-3	Methyl chloride	50	47.7	95	58-163
74-88-4	Methyl iodide	50	44.7	89	66-128
80-62-6	Methyl methacrylate	50	44.5	89	73-125
74-95-3	Methylene bromide	50	45.5	91	75-128
75-09-2	Methylene chloride	50	48.9	98	62-140
78-93-3	Methyl ethyl ketone	250	172	69	66-134
1634-04-4	Methyl Tert Butyl Ether	50	44.2	88	70-131
91-20-3	Naphthalene	50	42.9	86	59-143
76-01-7	Pentachloroethane	50	54.1	108	64-156
107-12-0	Propionitrile	500	422	84	73-133
103-65-1	n-Propylbenzene	50	51.2	102	78-129
100-42-5	Styrene	50	47.8	96	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	47.1	94	81-121
71-55-6	1,1,1-Trichloroethane	50	52.8	106	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	40.7	81	70-128
79-00-5	1,1,2-Trichloroethane	50	41.0	82	76-118
87-61-6	1,2,3-Trichlorobenzene	50	48.2	96	78-136
96-18-4	1,2,3-Trichloropropane	50	38.5	77	74-125
120-82-1	1,2,4-Trichlorobenzene	50	50.7	101	82-137

Blank Spike Summary

Job Number: F62142
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG2081-BS	G0055160.D	1	12/26/08	MM	n/a	n/a	VG2081

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62142-2, F62142-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	49.1	98	77-129
108-67-8	1,3,5-Trimethylbenzene	50	50.3	101	79-129
127-18-4	Tetrachloroethylene	50	52.1	104	79-132
108-88-3	Toluene	50	47.9	96	80-123
79-01-6	Trichloroethylene	50	52.5	105	78-132
75-69-4	Trichlorofluoromethane	50	49.4	99	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	86.1	172*	74-138
75-01-4	Vinyl chloride	50	44.1	88	60-145
108-05-4	Vinyl Acetate	250	200	80	25-164
	m,p-Xylene	100	100	100	82-128
95-47-6	o-Xylene	50	48.6	97	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	104%	80-121%
2037-26-5	Toluene-D8	94%	71-130%
460-00-4	4-Bromofluorobenzene	102%	59-148%
17060-07-0	1,2-Dichloroethane-D4	103%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62142
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62133-1MS	G0055144.D	1	12/24/08	MM	n/a	n/a	VG2080
F62133-1MSD	G0055145.D	1	12/24/08	MM	n/a	n/a	VG2080
F62133-1 [a]	G0055133.D	1	12/24/08	MM	n/a	n/a	VG2080

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62142-1, F62142-2, F62142-4, F62142-5, F62142-6, F62142-7

CAS No.	Compound	F62133-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	40 U		249	81.7	33*	90.3	37*	10	61-144/29
75-05-8	Acetonitrile	40 U		497	339	68	397	80	16	59-139/30
107-02-8	Acrolein	20 U		249	ND	0*	ND	0*	nc	27-156/39
107-13-1	Acrylonitrile	20 U		249	197	79	217	88	10	55-144/24
107-05-1	Allyl chloride	20 U		49.7	46.3	93	46.3	94	0	41-152/24
71-43-2	Benzene	4.0 U		49.7	51.1	103	53.3	108	4	78-130/25
100-44-7	Benzyl Chloride	4.0 U		49.7	23.5	47*	26.7	54*	13	74-130/28
108-86-1	Bromobenzene	4.0 U		49.7	49.7	100	52.3	106	5	78-123/30
74-97-5	Bromochloromethane	4.0 U		49.7	44.5	89	47.3	96	6	72-122/23
75-27-4	Bromodichloromethane	4.0 U		49.7	44.1	89	48.3	98	9	73-122/25
75-25-2	Bromoform	4.0 U		49.7	39.8	80	39.5	80	1	70-139/26
104-51-8	n-Butylbenzene	4.0 U		49.7	44.5	89	45.4	92	2	80-138/31
135-98-8	sec-Butylbenzene	4.0 U		49.7	48.8	98	49.4	100	1	82-132/29
98-06-6	tert-Butylbenzene	4.0 U		49.7	51.9	104	53.5	108	3	79-130/29
108-90-7	Chlorobenzene	4.0 U		49.7	47.1	95	50.0	101	6	83-122/23
75-00-3	Chloroethane	4.0 U		49.7	44.7	90	46.8	95	5	61-153/31
67-66-3	Chloroform	4.0 U		49.7	50.7	102	55.2	112	8	79-129/27
544-10-5	1-Chlorohexane	4.0 U		49.7	48.8	98	46.5	94	5	85-137/29
95-49-8	o-Chlorotoluene	4.0 U		49.7	48.2	97	49.8	101	3	77-123/31
106-43-4	p-Chlorotoluene	4.0 U		49.7	49.1	99	50.3	102	2	78-129/29
110-75-8	2-Chloroethyl vinyl ether	20 U		249	279	112	311	126	11	52-142/25
75-15-0	Carbon disulfide	4.0 U		49.7	46.1	93	46.2	94	0	61-142/27
56-23-5	Carbon tetrachloride	4.0 U		49.7	55.5	112	47.7	97	15	79-135/29
75-34-3	1,1-Dichloroethane	4.0 U		49.7	52.4	105	55.0	111	5	77-132/26
75-35-4	1,1-Dichloroethylene	4.0 U		49.7	54.9	110	55.1	112	0	66-132/27
563-58-6	1,1-Dichloropropene	4.0 U		49.7	54.1	109	53.9	109	0	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	4.0 U		49.7	36.9	74	45.3	92	20	67-129/29
106-93-4	1,2-Dibromoethane	4.0 U		49.7	40.6	82	43.3	88	6	77-126/24
107-06-2	1,2-Dichloroethane	4.0 U		49.7	46.8	94	49.7	101	6	78-129/24
78-87-5	1,2-Dichloropropane	4.0 U		49.7	47.8	96	49.7	101	4	74-127/27
142-28-9	1,3-Dichloropropane	4.0 U		49.7	41.3	83	45.7	93	10	78-118/26
594-20-7	2,2-Dichloropropane	4.0 U		49.7	43.5	87	44.1	89	1	80-137/28
124-48-1	Dibromochloromethane	4.0 U		49.7	41.8	84	45.6	92	9	78-117/27
75-71-8	Dichlorodifluoromethane	4.0 U		49.7	49.4	99	37.7	76	27	35-162/30
156-59-2	cis-1,2-Dichloroethylene	4.0 U		49.7	47.8	96	50.1	101	5	74-123/26
10061-01-5	cis-1,3-Dichloropropene	4.0 U		49.7	43.6	88	48.4	98	10	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62142
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62133-1MS	G0055144.D	1	12/24/08	MM	n/a	n/a	VG2080
F62133-1MSD	G0055145.D	1	12/24/08	MM	n/a	n/a	VG2080
F62133-1 [a]	G0055133.D	1	12/24/08	MM	n/a	n/a	VG2080

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62142-1, F62142-2, F62142-4, F62142-5, F62142-6, F62142-7

CAS No.	Compound	F62133-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	20 U		49.7	38.7	78	41.6	84	7	71-126/28
541-73-1	m-Dichlorobenzene	4.0 U		49.7	48.1	97	51.8	105	7	82-126/29
95-50-1	o-Dichlorobenzene	4.0 U		49.7	46.9	94	51.7	105	10	83-123/28
106-46-7	p-Dichlorobenzene	4.0 U		49.7	50.1	101	51.6	105	3	84-124/28
156-60-5	trans-1,2-Dichloroethylene	4.0 U		49.7	55.1	111	56.4	114	2	77-129/27
10061-02-6	trans-1,3-Dichloropropene	4.0 U		49.7	45.2	91	50.5	102	11	87-131/27
100-41-4	Ethylbenzene	4.0 U		49.7	47.8	96	50.7	103	6	82-124/25
97-63-2	Ethyl methacrylate	20 U		49.7	5.5	11*	5.2	11*	6	78-118/30
76-13-1	Freon 113	4.0 U		49.7	53.4	107	54.0	109	1	62-147/29
591-78-6	2-Hexanone	20 U		249	145	58*	171	69	16	67-130/29
87-68-3	Hexachlorobutadiene	4.0 U		49.7	48.0	97	50.0	101	4	77-150/36
110-54-3	Hexane	4.0 U		49.7	49.9	100	44.1	89	12	65-147/27
98-82-8	Isopropylbenzene	4.0 U		49.7	48.7	98	49.2	100	1	82-133/27
99-87-6	p-Isopropyltoluene	4.0 U		49.7	49.3	99	50.7	103	3	82-132/29
108-10-1	4-Methyl-2-pentanone	20 U		249	188	76	215	87	13	69-125/24
126-98-7	Methacrylonitrile	20 U		497	409	82	440	89	7	70-138/22
74-83-9	Methyl bromide	4.0 U		49.7	50.2	101	37.3	76	29	60-146/31
74-87-3	Methyl chloride	4.0 U		49.7	45.5	91	35.6	72	24	58-163/26
74-88-4	Methyl iodide	8.0 U		49.7	43.0	86	43.0	87	0	66-128/27
80-62-6	Methyl methacrylate	20 U		49.7	43.5	87	48.6	98	11	73-125/24
74-95-3	Methylene bromide	4.0 U		49.7	47.0	95	48.2	98	3	75-128/26
75-09-2	Methylene chloride	5.6	VI	49.7	50.8	91	52.8	96	4	62-140/25
78-93-3	Methyl ethyl ketone	20 U		249	118	47*	134	54*	13	66-134/23
1634-04-4	Methyl Tert Butyl Ether	4.0 U		49.7	41.2	83	45.5	92	10	70-131/25
91-20-3	Naphthalene	4.9		49.7	34.3	59	33.1	57*	4	59-143/31
76-01-7	Pentachloroethane	20 U		49.7	50.4	101	54.7	111	8	64-156/37
107-12-0	Propionitrile	40 U		497	371	75	405	82	9	73-133/23
103-65-1	n-Propylbenzene	4.0 U		49.7	49.7	100	51.4	104	3	78-129/29
100-42-5	Styrene	4.0 U		49.7	45.5	91	47.9	97	5	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	4.0 U		49.7	46.0	93	47.9	97	4	81-121/25
71-55-6	1,1,1-Trichloroethane	4.0 U		49.7	54.6	110	54.9	111	1	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	4.0 U		49.7	41.4	83	46.2	94	11	70-128/30
79-00-5	1,1,2-Trichloroethane	4.0 U		49.7	42.0	84	45.1	91	7	76-118/28
87-61-6	1,2,3-Trichlorobenzene	4.0 U		49.7	44.3	89	43.4	88	2	78-136/34
96-18-4	1,2,3-Trichloropropane	4.0 U		49.7	36.7	74	41.8	85	13	74-125/30
120-82-1	1,2,4-Trichlorobenzene	4.0 U		49.7	45.5	91	45.7	93	0	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62142
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62133-1MS	G0055144.D	1	12/24/08	MM	n/a	n/a	VG2080
F62133-1MSD	G0055145.D	1	12/24/08	MM	n/a	n/a	VG2080
F62133-1 [a]	G0055133.D	1	12/24/08	MM	n/a	n/a	VG2080

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62142-1, F62142-2, F62142-4, F62142-5, F62142-6, F62142-7

CAS No.	Compound	F62133-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	4.0 U		49.7	41.8	84	41.2	83	1	77-129/29
108-67-8	1,3,5-Trimethylbenzene	3.7	I	49.7	46.7	86	47.1	88	1	79-129/31
127-18-4	Tetrachloroethylene	4.0 U		49.7	57.4	115	60.2	122	5	79-132/27
108-88-3	Toluene	4.0 U		49.7	47.4	95	50.8	103	7	80-123/26
79-01-6	Trichloroethylene	4.0 U		49.7	52.7	106	55.2	112	5	78-132/28
75-69-4	Trichlorofluoromethane	4.0 U		49.7	50.0	101	51.4	104	3	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	20 U		49.7	80.2	161*	89.6	182*	11	74-138/30
75-01-4	Vinyl chloride	4.0 U		49.7	46.4	93	35.4	72	27	60-145/29
108-05-4	Vinyl Acetate	20 U		249	13.1	5*	14.9	6*	13	25-164/35
	m,p-Xylene	8.0 U		99.5	95.0	96	97.3	99	2	82-128/25
95-47-6	o-Xylene	1.3	I	49.7	47.1	92	49.0	97	4	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F62133-1	Limits
1868-53-7	Dibromofluoromethane	99%	102%	101%	80-121%
2037-26-5	Toluene-D8	96%	100%	94%	71-130%
460-00-4	4-Bromofluorobenzene	101%	104%	102%	59-148%
17060-07-0	1,2-Dichloroethane-D4	103%	97%	110%	77-123%

(a) Sample re-analyzed beyond hold time; reported results are considered minimum values.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62142
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62142-3MS	G0055169.D	1	12/26/08	MM	n/a	n/a	VG2081
F62142-3MSD	G0055170.D	1	12/26/08	MM	n/a	n/a	VG2081
F62142-3 [a]	G0055163.D	1	12/26/08	MM	n/a	n/a	VG2081

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62142-2, F62142-3

CAS No.	Compound	F62142-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		295	146	49*	122	42*	18	61-144/29
75-05-8	Acetonitrile	ND		590	471	80	446	76	5	59-139/30
107-02-8	Acrolein	ND		295	81.1	27	75.4	26*	7	27-156/39
107-13-1	Acrylonitrile	ND		295	317	107	277	95	13	55-144/24
107-05-1	Allyl chloride	ND		59	34.1	58	56.2	96	49*	41-152/24
71-43-2	Benzene	ND		59	69.0	117	62.8	108	9	78-130/25
100-44-7	Benzyl Chloride	ND		59	40.8	69*	34.9	60*	16	74-130/28
108-86-1	Bromobenzene	ND		59	64.2	109	59.3	102	8	78-123/30
74-97-5	Bromochloromethane	ND		59	58.2	99	51.4	88	12	72-122/23
75-27-4	Bromodichloromethane	ND		59	58.6	99	51.6	88	13	73-122/25
75-25-2	Bromoform	ND		59	53.6	91	47.9	82	11	70-139/26
104-51-8	n-Butylbenzene	ND		59	65.5	111	60.2	103	8	80-138/31
135-98-8	sec-Butylbenzene	ND		59	65.5	111	61.1	105	7	82-132/29
98-06-6	tert-Butylbenzene	ND		59	66.9	113	62.0	106	8	79-130/29
108-90-7	Chlorobenzene	ND		59	64.3	109	57.5	99	11	83-122/23
75-00-3	Chloroethane	ND		59	58.4	99	56.8	97	3	61-153/31
67-66-3	Chloroform	ND		59	68.5	116	61.3	105	11	79-129/27
544-10-5	1-Chlorohexane	ND		59	69.2	117	60.1	103	14	85-137/29
95-49-8	o-Chlorotoluene	ND		59	64.1	109	58.2	100	10	77-123/31
106-43-4	p-Chlorotoluene	ND		59	64.8	110	60.7	104	7	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		295	364	123	334	114	9	52-142/25
75-15-0	Carbon disulfide	2.1	J	59	62.1	102	55.7	92	11	61-142/27
56-23-5	Carbon tetrachloride	ND		59	73.1	124	54.2	93	30*	79-135/29
75-34-3	1,1-Dichloroethane	ND		59	70.0	119	64.7	111	8	77-132/26
75-35-4	1,1-Dichloroethylene	ND		59	71.4	121	65.1	112	9	66-132/27
563-58-6	1,1-Dichloropropene	ND		59	71.2	121	65.9	113	8	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		59	55.6	94	44.9	77	21	67-129/29
106-93-4	1,2-Dibromoethane	ND		59	54.3	92	48.7	83	11	77-126/24
107-06-2	1,2-Dichloroethane	ND		59	62.0	105	54.8	94	12	78-129/24
78-87-5	1,2-Dichloropropane	ND		59	61.2	104	55.6	95	10	74-127/27
142-28-9	1,3-Dichloropropane	ND		59	56.2	95	50.2	86	11	78-118/26
594-20-7	2,2-Dichloropropane	ND		59	57.0	97	55.8	96	2	80-137/28
124-48-1	Dibromochloromethane	ND		59	56.0	95	49.7	85	12	78-117/27
75-71-8	Dichlorodifluoromethane	ND		59	63.0	107	55.7	95	12	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		59	65.5	111	58.4	100	11	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		59	62.2	105	54.5	93	13	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62142
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62142-3MS	G0055169.D	1	12/26/08	MM	n/a	n/a	VG2081
F62142-3MSD	G0055170.D	1	12/26/08	MM	n/a	n/a	VG2081
F62142-3 [a]	G0055163.D	1	12/26/08	MM	n/a	n/a	VG2081

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62142-2, F62142-3

CAS No.	Compound	F62142-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		59	49.2	83	47.5	81	4	71-126/28
541-73-1	m-Dichlorobenzene	ND		59	66.2	112	61.3	105	8	82-126/29
95-50-1	o-Dichlorobenzene	ND		59	64.5	109	57.7	99	11	83-123/28
106-46-7	p-Dichlorobenzene	ND		59	67.7	115	61.7	106	9	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		59	71.3	121	66.2	113	7	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		59	62.2	105	56.8	97	9	87-131/27
100-41-4	Ethylbenzene	ND		59	64.6	109	57.5	99	12	82-124/25
97-63-2	Ethyl methacrylate	ND		59	15.9	27*	13.9	24*	13	78-118/30
76-13-1	Freon 113	ND		59	66.4	112	63.5	109	4	62-147/29
591-78-6	2-Hexanone	ND		295	217	74	181	62*	18	67-130/29
87-68-3	Hexachlorobutadiene	ND		59	71.6	121	67.4	115	6	77-150/36
110-54-3	Hexane	ND		59	72.7	123	66.2	113	9	65-147/27
98-82-8	Isopropylbenzene	ND		59	66.4	112	59.5	102	11	82-133/27
99-87-6	p-Isopropyltoluene	ND		59	66.0	112	62.7	107	5	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		295	275	93	229	78	18	69-125/24
126-98-7	Methacrylonitrile	ND		590	581	98	493	84	16	70-138/22
74-83-9	Methyl bromide	ND		59	66.1	112	64.7	111	2	60-146/31
74-87-3	Methyl chloride	ND		59	63.0	107	57.0	98	10	58-163/26
74-88-4	Methyl iodide	ND		59	56.9	96	52.6	90	8	66-128/27
80-62-6	Methyl methacrylate	ND		59	64.3	109	58.5	100	9	73-125/24
74-95-3	Methylene bromide	ND		59	61.9	105	52.7	90	16	75-128/26
75-09-2	Methylene chloride	6.7	JB	59	76.5	118	70.7	110	8	62-140/25
78-93-3	Methyl ethyl ketone	ND		295	183	62*	156	53*	16	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		59	56.5	96	49.4	85	13	70-131/25
91-20-3	Naphthalene	ND		59	61.0	103	52.4	90	15	59-143/31
76-01-7	Pentachloroethane	ND		59	69.6	118	64.6	111	7	64-156/37
107-12-0	Propionitrile	ND		590	537	91	442	76	19	73-133/23
103-65-1	n-Propylbenzene	ND		59	66.1	112	62.4	107	6	78-129/29
100-42-5	Styrene	ND		59	63.0	107	54.8	94	14	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		59	58.3	99	54.1	93	7	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		59	69.5	118	64.5	111	7	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		59	57.2	97	50.6	87	12	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		59	55.4	94	50.3	86	10	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		59	65.0	110	60.1	103	8	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		59	52.0	88	45.1	77	14	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		59	68.0	115	61.0	105	11	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62142
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62142-3MS	G0055169.D	1	12/26/08	MM	n/a	n/a	VG2081
F62142-3MSD	G0055170.D	1	12/26/08	MM	n/a	n/a	VG2081
F62142-3 [a]	G0055163.D	1	12/26/08	MM	n/a	n/a	VG2081

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62142-2, F62142-3

CAS No.	Compound	F62142-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		59	65.6	111	58.2	100	12	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		59	65.0	110	61.4	105	6	79-129/31
127-18-4	Tetrachloroethylene	ND		59	73.3	124	67.3	115	9	79-132/27
108-88-3	Toluene	ND		59	64.0	108	57.9	99	10	80-123/26
79-01-6	Trichloroethylene	ND		59	70.3	119	62.7	107	11	78-132/28
75-69-4	Trichlorofluoromethane	ND		59	66.3	112	63.6	109	4	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		59	120	203*	103	176*	15	74-138/30
75-01-4	Vinyl chloride	ND		59	60.4	102	56.3	96	7	60-145/29
108-05-4	Vinyl Acetate	ND		295	34.4	12*	31.4	11*	9	25-164/35
	m,p-Xylene	ND		118	135	114	119	102	13	82-128/25
95-47-6	o-Xylene	ND		59	63.7	108	58.0	99	9	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F62142-3	Limits
1868-53-7	Dibromofluoromethane	103%	100%	102%	80-121%
2037-26-5	Toluene-D8	95%	97%	93%	71-130%
460-00-4	4-Bromofluorobenzene	100%	101%	98%	59-148%
17060-07-0	1,2-Dichloroethane-D4	99%	91%	118%	77-123%

(a) Sample analyzed beyond hold time; reported results are considered minimum values.

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F62142
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1971-MB	QR045355.D	1	12/19/08	AH	n/a	n/a	GQR1971

The QC reported here applies to the following samples: **Method:** SW846 8015

F62142-1, F62142-3, F62142-4, F62142-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	83%	56-136%
98-08-8	aaa-Trifluorotoluene	82%	61-121%

Method Blank Summary

Job Number: F62142
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1972-MB	QR045392.D	1	12/19/08	AH	n/a	n/a	GQR1972

The QC reported here applies to the following samples: **Method:** SW846 8015

F62142-2, F62142-5

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	76%	56-136%
98-08-8	aaa-Trifluorotoluene	80%	61-121%

Blank Spike Summary

Job Number: F62142
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1971-BS	QR045354.D	1	12/19/08	AH	n/a	n/a	GQR1971

The QC reported here applies to the following samples: **Method:** SW846 8015

F62142-1, F62142-3, F62142-4, F62142-6

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	18.6	93	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	92%	56-136%
98-08-8	aaa-Trifluorotoluene	99%	61-121%

Blank Spike Summary

Job Number: F62142
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1972-BS	QR045391.D	1	12/19/08	AH	n/a	n/a	GQR1972

The QC reported here applies to the following samples: **Method:** SW846 8015

F62142-2, F62142-5

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	18.6	93	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	96%	56-136%
98-08-8	aaa-Trifluorotoluene	101%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62142
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62105-4MS	QR045377.D	1	12/19/08	AH	n/a	n/a	GQR1971
F62105-4MSD	QR045378.D	1	12/19/08	AH	n/a	n/a	GQR1971
F62105-4	QR045363.D	1	12/19/08	AH	n/a	n/a	GQR1971

The QC reported here applies to the following samples: **Method:** SW846 8015

F62142-1, F62142-3, F62142-4, F62142-6

CAS No.	Compound	F62105-4 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		20.8	19.1	92	18.7	90	2	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F62105-4	Limits
460-00-4	4-Bromofluorobenzene	82%	80%	77%	56-136%
98-08-8	aaa-Trifluorotoluene	96%	96%	77%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62142
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62062-3MS	QR045416.D	1	12/20/08	AH	n/a	n/a	GQR1972
F62062-3MSD	QR045417.D	1	12/20/08	AH	n/a	n/a	GQR1972
F62062-3	QR045394.D	1	12/19/08	AH	n/a	n/a	GQR1972

The QC reported here applies to the following samples: **Method:** SW846 8015

F62142-2, F62142-5

CAS No.	Compound	F62062-3 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		22	20.7	94	20.7	94	0	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F62062-3	Limits
460-00-4	4-Bromofluorobenzene	93%	101%	74%	56-136%
98-08-8	aaa-Trifluorotoluene	100%	96%	80%	61-121%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F62142
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27436-MB	LL24640.D	1	12/19/08	NY	12/12/08	OP27436	GLL918

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62142-1, F62142-2, F62142-3, F62142-4, F62142-5, F62142-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	88%	49-108%

Blank Spike Summary

Job Number: F62142
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27436-BS	LL24639.D	1	12/19/08	NY	12/12/08	OP27436	GLL918

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62142-1, F62142-2, F62142-3, F62142-4, F62142-5, F62142-6

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33	32.0	97	64-102
	TPH (> C22-C36)	33	38.3	116	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	93%	49-108%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62142
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27436-MS	LL24647.D	1	12/19/08	NY	12/12/08	OP27436	GLL918
OP27436-MSD	LL24648.D	1	12/19/08	NY	12/12/08	OP27436	GLL918
F62105-4	LL24646.D	1	12/19/08	NY	12/12/08	OP27436	GLL918

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62142-1, F62142-2, F62142-3, F62142-4, F62142-5, F62142-6

CAS No.	Compound	F62105-4 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		37	35.2	95	36.5	98	4	64-102/32
	TPH (> C22-C36)	ND		37	42.5	115	44.3	119	4	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F62105-4	Limits
84-15-1	o-Terphenyl	91%	94%	87%	49-108%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

01/05/09

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F62143

Sampling Date: 12/09/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **50**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Note: This report is password protected to disallow document modification or assembly.
A password to unlock this report is available from your client service representative.

Sections: 1 2 3 4 5 6 7

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F62143-1: SS61-SB65-14 7
3.2: F62143-2: SS61-SB65-19 12
3.3: F62143-3: SS61-SB65-19-a 17
3.4: F62143-4: SS61-SB65-28 22
3.5: F62143-5: TRIP BLANK 27
Section 4: Misc. Forms **30**
4.1: Chain of Custody 31
Section 5: GC/MS Volatiles - QC Data Summaries **33**
5.1: Method Blank Summary 34
5.2: Blank Spike Summary 37
5.3: Matrix Spike/Matrix Spike Duplicate Summary 40
Section 6: GC Volatiles - QC Data Summaries **43**
6.1: Method Blank Summary 44
6.2: Blank Spike Summary 45
6.3: Matrix Spike/Matrix Spike Duplicate Summary 46
Section 7: GC Semi-volatiles - QC Data Summaries **47**
7.1: Method Blank Summary 48
7.2: Blank Spike Summary 49
7.3: Matrix Spike/Matrix Spike Duplicate Summary 50

Sample Summary

North Wind, Inc

Job No: F62143

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F62143-1	12/09/08	14:45	DM	12/11/08	SO	Soil	SS61-SB65-14
F62143-2	12/09/08	15:00	DM	12/11/08	SO	Soil	SS61-SB65-19
F62143-3	12/09/08	15:00	DM	12/11/08	SO	Soil	SS61-SB65-19-a
F62143-4	12/09/08	15:15	DM	12/11/08	SO	Soil	SS61-SB65-28
F62143-5	12/09/08	00:00	DM	12/11/08	SO	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F62143

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 1/2/2009 2:16:55 PM

4 Samples, 1 Trip Blank were collected on 12/09/2008 and received at Accutest on 12/11/2008 properly preserved, at 3 Deg. C and intact. These Samples received an Accutest job number of F62143. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VF829

Sample(s) F62128-1MS, F62128-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for Acetone are outside control limits.

Matrix Spike Recovery(s) for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dichloroethane, Acetone, Acrolein, Bromobenzene, Chloroethane, Ethyl methacrylate, Freon 113, Hexachlorobutadiene, Methyl bromide, Methyl ethyl ketone, Methylene bromide, n-Butylbenzene, Naphthalene, Propionitrile, Tetrachloroethylene, Toluene, Trichlorofluoromethane, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dichloroethane, 1,3,5-Trimethylbenzene, 2-Hexanone, Acetone, Acrolein, Bromobenzene, Ethyl methacrylate, Hexachlorobutadiene, Methyl ethyl ketone, n-Propylbenzene, Naphthalene, o-Chlorotoluene, p-Chlorotoluene, Propionitrile, Tetrachloroethylene, Toluene, Trichlorofluoromethane, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

RPD(s) for MSD for Acrolein are outside control limits for sample F62128-1MSD. Probable cause due to sample homogeneity.

Sample(s) F62128-1MS, F62128-1MSD have surrogates outside control limits. Probable cause due to matrix interference.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GQR1971

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F62105-4MS, F62105-4MSD were used as the QC samples indicated.

Extractables by GC By Method SW846 8015 M

Matrix: SO **Batch ID:** OP27436

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F62105-4MS, F62105-4MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Wet Chemistry By Method SM19 2540B M

Matrix: SO **Batch ID:** GN33144

Sample(s) F62133-1DUP were used as the QC samples for Solids, Percent.

Matrix: SO **Batch ID:** GN33174

Sample(s) F62143-3DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision,

accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____

Svetlana Izosimova, QAO (signature on file)

Date: January 02, 2009

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-SB65-14		
Lab Sample ID:	F62143-1	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	87.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F032907.D	1	12/23/08	SH	12/11/08 12:25	n/a	VF829
Run #2							

	Initial Weight
Run #1	5.43 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	52	26	ug/kg	
75-05-8	Acetonitrile	ND	52	17	ug/kg	
107-02-8	Acrolein	ND	26	10	ug/kg	
107-13-1	Acrylonitrile	ND	26	7.2	ug/kg	
107-05-1	Allyl chloride	ND	26	5.2	ug/kg	
71-43-2	Benzene	ND	5.2	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.2	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.2	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.2	1.8	ug/kg	
75-27-4	Bromodichloromethane	ND	5.2	1.3	ug/kg	
75-25-2	Bromoform	ND	5.2	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	5.2	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.2	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.2	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.2	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.2	2.1	ug/kg	
67-66-3	Chloroform	ND	5.2	1.8	ug/kg	
544-10-5	1-Chlorohexane	ND	5.2	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.2	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.2	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	26	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.2	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.2	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.2	2.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.2	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.2	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.2	2.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.2	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.2	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.2	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.2	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.2	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB65-14		
Lab Sample ID:	F62143-1	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	87.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.2	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.2	2.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.2	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.2	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	26	5.2	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.2	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.2	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.2	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.2	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.2	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.2	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	26	5.2	ug/kg	
76-13-1	Freon 113	ND	5.2	2.7	ug/kg	
591-78-6	2-Hexanone	ND	26	5.2	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.2	1.3	ug/kg	
110-54-3	Hexane	ND	5.2	2.5	ug/kg	
98-82-8	Isopropylbenzene	ND	5.2	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.2	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	26	6.7	ug/kg	
126-98-7	Methacrylonitrile	ND	26	5.8	ug/kg	
74-83-9	Methyl bromide	ND	5.2	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.2	2.5	ug/kg	
74-88-4	Methyl iodide	ND	10	2.1	ug/kg	
80-62-6	Methyl methacrylate	ND	26	5.2	ug/kg	
74-95-3	Methylene bromide	ND	5.2	1.6	ug/kg	
75-09-2	Methylene chloride	ND	10	5.2	ug/kg	
78-93-3	Methyl ethyl ketone	ND	26	8.7	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.2	1.6	ug/kg	
91-20-3	Naphthalene	ND	5.2	2.1	ug/kg	
76-01-7	Pentachloroethane	ND	26	5.2	ug/kg	
107-12-0	Propionitrile	ND	52	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.2	1.3	ug/kg	
100-42-5	Styrene	ND	5.2	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.2	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.2	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.2	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.2	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.2	2.1	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.2	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.2	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB65-14		
Lab Sample ID:	F62143-1	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	87.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.2	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.2	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.2	1.3	ug/kg	
108-88-3	Toluene	ND	5.2	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.2	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.2	2.1	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	26	5.2	ug/kg	
75-01-4	Vinyl chloride	ND	5.2	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	26	13	ug/kg	
	m,p-Xylene	ND	10	2.0	ug/kg	
95-47-6	o-Xylene	ND	5.2	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	86%		80-121%
2037-26-5	Toluene-D8	105%		71-130%
460-00-4	4-Bromofluorobenzene	110%		59-148%
17060-07-0	1,2-Dichloroethane-D4	80%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB65-14		
Lab Sample ID:	F62143-1	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8015 SW846 5030A	**Percent Solids:**	87.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045381.D	1	12/19/08	AH	12/11/08 12:25	n/a	GQR1971
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.06 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.3	3.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	69%		56-136%
98-08-8	aaa-Trifluorotoluene	82%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB65-14		
Lab Sample ID:	F62143-1	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	87.8
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24661.D	1	12/19/08	NY	12/12/08	OP27436	GLL918
Run #2							

	Initial Weight	Final Volume
Run #1	29.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.5	5.7	mg/kg	
	TPH (> C22-C36)	ND	9.5	5.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB65-19		
Lab Sample ID:	F62143-2	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	86.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F032908.D	1	12/23/08	SH	12/11/08 12:25	n/a	VF829
Run #2							

	Initial Weight
Run #1	5.83 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.7	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	0.99	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	0.99	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	0.99	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	0.99	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	0.99	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	9.9	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	0.99	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	0.99	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB65-19		
Lab Sample ID:	F62143-2	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	86.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	0.99	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	0.99	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	0.99	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	0.99	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	0.99	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	0.99	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	9.9	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	9.9	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.2	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	0.99	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.99	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.99	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB65-19		
Lab Sample ID:	F62143-2	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	86.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.99	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.99	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	0.99	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	9.9	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	0.99	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		80-121%
2037-26-5	Toluene-D8	106%		71-130%
460-00-4	4-Bromofluorobenzene	109%		59-148%
17060-07-0	1,2-Dichloroethane-D4	85%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB65-19		
Lab Sample ID:	F62143-2	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8015 SW846 5030A	**Percent Solids:**	86.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045382.D	1	12/19/08	AH	12/11/08 12:25	n/a	GQR1971
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.97 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.6	2.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	69%		56-136%
98-08-8	aaa-Trifluorotoluene	80%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB65-19		
Lab Sample ID:	F62143-2	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	86.3
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24662.D	1	12/19/08	NY	12/12/08	OP27436	GLL918
Run #2							

	Initial Weight	Final Volume
Run #1	29.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.7	5.8	mg/kg	
	TPH (> C22-C36)	ND	9.7	5.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	79%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB65-19-a		
Lab Sample ID:	F62143-3	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	84.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F032909.D	1	12/23/08	SH	12/11/08 12:38	n/a	VF829
Run #2							

	Initial Weight
Run #1	6.09 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	49	24	ug/kg	
75-05-8	Acetonitrile	ND	49	16	ug/kg	
107-02-8	Acrolein	ND	24	9.6	ug/kg	
107-13-1	Acrylonitrile	ND	24	6.7	ug/kg	
107-05-1	Allyl chloride	ND	24	4.9	ug/kg	
71-43-2	Benzene	ND	4.9	0.98	ug/kg	
100-44-7	Benzyl Chloride	ND	4.9	1.1	ug/kg	
108-86-1	Bromobenzene	ND	4.9	0.98	ug/kg	
74-97-5	Bromochloromethane	ND	4.9	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	4.9	1.2	ug/kg	
75-25-2	Bromoform	ND	4.9	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	4.9	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	4.9	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	4.9	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	4.9	0.98	ug/kg	
75-00-3	Chloroethane	ND	4.9	2.0	ug/kg	
67-66-3	Chloroform	ND	4.9	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	4.9	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.9	0.98	ug/kg	
106-43-4	p-Chlorotoluene	ND	4.9	0.98	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	24	9.8	ug/kg	
75-15-0	Carbon disulfide	ND	4.9	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.9	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.9	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.9	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	4.9	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.9	2.3	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4.9	0.98	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.9	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.9	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4.9	0.98	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4.9	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB65-19-a		
Lab Sample ID:	F62143-3	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	84.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	4.9	0.98	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.9	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.9	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.9	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	24	4.9	ug/kg	
541-73-1	m-Dichlorobenzene	ND	4.9	0.98	ug/kg	
95-50-1	o-Dichlorobenzene	ND	4.9	0.98	ug/kg	
106-46-7	p-Dichlorobenzene	ND	4.9	0.98	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	4.9	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.9	0.98	ug/kg	
100-41-4	Ethylbenzene	ND	4.9	0.98	ug/kg	
97-63-2	Ethyl methacrylate	ND	24	4.9	ug/kg	
76-13-1	Freon 113	ND	4.9	2.5	ug/kg	
591-78-6	2-Hexanone	ND	24	4.9	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.9	1.2	ug/kg	
110-54-3	Hexane	ND	4.9	2.3	ug/kg	
98-82-8	Isopropylbenzene	ND	4.9	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	4.9	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	24	6.3	ug/kg	
126-98-7	Methacrylonitrile	ND	24	5.4	ug/kg	
74-83-9	Methyl bromide	ND	4.9	2.2	ug/kg	
74-87-3	Methyl chloride	ND	4.9	2.3	ug/kg	
74-88-4	Methyl iodide	ND	9.8	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	24	4.9	ug/kg	
74-95-3	Methylene bromide	ND	4.9	1.5	ug/kg	
75-09-2	Methylene chloride	ND	9.8	4.9	ug/kg	
78-93-3	Methyl ethyl ketone	ND	24	8.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.9	1.5	ug/kg	
91-20-3	Naphthalene	ND	4.9	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	24	4.9	ug/kg	
107-12-0	Propionitrile	ND	49	12	ug/kg	
103-65-1	n-Propylbenzene	ND	4.9	1.2	ug/kg	
100-42-5	Styrene	ND	4.9	0.98	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.9	0.98	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.9	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.9	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.9	0.98	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.9	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.9	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB65-19-a		
Lab Sample ID:	F62143-3	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	84.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	4.9	0.98	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.9	0.98	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.9	1.2	ug/kg	
108-88-3	Toluene	ND	4.9	0.98	ug/kg	
79-01-6	Trichloroethylene	ND	4.9	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.9	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	24	4.9	ug/kg	
75-01-4	Vinyl chloride	ND	4.9	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	24	12	ug/kg	
	m,p-Xylene	ND	9.8	1.9	ug/kg	
95-47-6	o-Xylene	ND	4.9	0.98	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		80-121%
2037-26-5	Toluene-D8	104%		71-130%
460-00-4	4-Bromofluorobenzene	107%		59-148%
17060-07-0	1,2-Dichloroethane-D4	99%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB65-19-a		
Lab Sample ID:	F62143-3	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8015 SW846 5030A	**Percent Solids:**	84.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045383.D	1	12/19/08	AH	12/11/08 12:38	n/a	GQR1971
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.44 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.4	3.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	72%		56-136%
98-08-8	aaa-Trifluorotoluene	81%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB65-19-a		
Lab Sample ID:	F62143-3	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	84.0
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24663.D	1	12/20/08	NY	12/12/08	OP27436	GLL918
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.9	6.0	mg/kg	
	TPH (> C22-C36)	ND	9.9	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	87%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB65-28		
Lab Sample ID:	F62143-4	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	83.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F032910.D	1	12/23/08	SH	12/11/08 12:38	n/a	VF829
Run #2							

	Initial Weight
Run #1	5.63 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	53	27	ug/kg	
75-05-8	Acetonitrile	ND	53	17	ug/kg	
107-02-8	Acrolein	ND	27	10	ug/kg	
107-13-1	Acrylonitrile	ND	27	7.3	ug/kg	
107-05-1	Allyl chloride	ND	27	5.3	ug/kg	
71-43-2	Benzene	ND	5.3	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.3	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.3	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.3	1.8	ug/kg	
75-27-4	Bromodichloromethane	ND	5.3	1.3	ug/kg	
75-25-2	Bromoform	ND	5.3	1.6	ug/kg	
104-51-8	n-Butylbenzene	ND	5.3	1.5	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.3	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.3	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.3	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.3	2.1	ug/kg	
67-66-3	Chloroform	ND	5.3	1.8	ug/kg	
544-10-5	1-Chlorohexane	ND	5.3	1.4	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.3	1.1	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.3	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	27	11	ug/kg	
75-15-0	Carbon disulfide	ND	5.3	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.3	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.3	2.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.3	1.4	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.3	1.5	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.3	2.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.3	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.3	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.3	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.3	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.3	2.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB65-28		
Lab Sample ID:	F62143-4	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	83.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.3	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.3	2.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.3	1.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.3	1.4	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	27	5.3	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.3	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.3	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.3	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.3	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.3	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.3	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	27	5.3	ug/kg	
76-13-1	Freon 113	ND	5.3	2.8	ug/kg	
591-78-6	2-Hexanone	ND	27	5.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.3	1.3	ug/kg	
110-54-3	Hexane	ND	5.3	2.6	ug/kg	
98-82-8	Isopropylbenzene	ND	5.3	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.3	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	27	6.8	ug/kg	
126-98-7	Methacrylonitrile	ND	27	5.9	ug/kg	
74-83-9	Methyl bromide	ND	5.3	2.3	ug/kg	
74-87-3	Methyl chloride	ND	5.3	2.6	ug/kg	
74-88-4	Methyl iodide	ND	11	2.1	ug/kg	
80-62-6	Methyl methacrylate	ND	27	5.3	ug/kg	
74-95-3	Methylene bromide	ND	5.3	1.6	ug/kg	
75-09-2	Methylene chloride	ND	11	5.3	ug/kg	
78-93-3	Methyl ethyl ketone	ND	27	8.8	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.3	1.6	ug/kg	
91-20-3	Naphthalene	ND	5.3	2.1	ug/kg	
76-01-7	Pentachloroethane	ND	27	5.3	ug/kg	
107-12-0	Propionitrile	ND	53	13	ug/kg	
103-65-1	n-Propylbenzene	ND	5.3	1.3	ug/kg	
100-42-5	Styrene	ND	5.3	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.3	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.3	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.3	1.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.3	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.3	2.1	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.3	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.3	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB65-28		
Lab Sample ID:	F62143-4	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8260B SW846 5030A	**Percent Solids:**	83.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.3	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.3	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.3	1.3	ug/kg	
108-88-3	Toluene	ND	5.3	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.3	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.3	2.1	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	27	5.3	ug/kg	
75-01-4	Vinyl chloride	ND	5.3	2.1	ug/kg	
108-05-4	Vinyl Acetate	ND	27	13	ug/kg	
	m,p-Xylene	ND	11	2.0	ug/kg	
95-47-6	o-Xylene	ND	5.3	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-121%
2037-26-5	Toluene-D8	104%		71-130%
460-00-4	4-Bromofluorobenzene	106%		59-148%
17060-07-0	1,2-Dichloroethane-D4	96%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB65-28		
Lab Sample ID:	F62143-4	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8015 SW846 5030A	**Percent Solids:**	83.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR045384.D	1	12/19/08	AH	12/11/08 12:38	n/a	GQR1971
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.71 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.2	3.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	67%		56-136%
98-08-8	aaa-Trifluorotoluene	79%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-SB65-28		
Lab Sample ID:	F62143-4	**Date Sampled:**	12/09/08
Matrix:	SO - Soil	**Date Received:**	12/11/08
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	83.4
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24664.D	1	12/20/08	NY	12/12/08	OP27436	GLL918
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	9.9	5.9	mg/kg	
	TPH (> C22-C36)	ND	9.9	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	82%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F62143-5	**Date Sampled:**	12/09/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/11/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F032911.D	1	12/23/08	SH	n/a	n/a	VF829
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F62143-5	**Date Sampled:**	12/09/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/11/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F62143-5	**Date Sampled:**	12/09/08
Matrix:	SO - Trip Blank Soil	**Date Received:**	12/11/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-121%
2037-26-5	Toluene-D8	103%		71-130%
460-00-4	4-Bromofluorobenzene	107%		59-148%
17060-07-0	1,2-Dichloroethane-D4	98%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

F62143

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

Page 1 of 1

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number [1]: 12-10-2008-2

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Dustin McNeil / Greg Kinsman

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [2]	Sample Matrix [4]	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)					Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
1	SS61-SB65-14	SS61-SB65	09-Dec-2008	1445	12 - 14		N	SO	5	X	X	X									2
2	SS61-SB65-19	SS61-SB65	09-Dec-2008	1500	17 - 19		N	SO	5	X	X	X									2
3	SS61-SB65-19-a	SS61-SB65	09-Dec-2008	1500	17 - 19		FD	SO	5	X	X	X									2
4	SS61-SB65-28	SS61-SB65	09-Dec-2008	1515	26 - 28		N	SO	5	X	X	X									2
5	Trip Blank				-		TB	WQ	3	X											2
					-																
					-																
					-																
					-																
					-																
					-																

Sample Analysis Requested [3] | Quality Assurance Samples [6]

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time		Received by (signed)	Date	Time
1.	J. Merry	12/10/08	1400	1.			
2.	Fx	12/11/08	9:00	2.	Clark	12/11/08	9:00
3.				3.			

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: _____ Shipped No.: _____

Method of Shipment: _____ Airbill Number: _____

Analytical Lab: Accutest Laboratories Delivery Location: _____

Lab Recipient: _____ Delivery Date/Time: _____

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

2 D

4.1 4

F62143: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FC2143 CLIENT: BHATE PROJECT: SS-61

DATE/TIME RECEIVED: 12/11/08 9:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 3.0

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8608 3009 6770

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [X] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABEE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 16

NUMBER OF 5035 FIELD KITS ? 13

NUMBER OF LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE: 12/11/08 TECHNICIAN SIGNATURE/DATE: 12-11-08

ASBD 12/17/07

F62143: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F62143
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF829-MB	F032894.D	1	12/23/08	SH	n/a	n/a	VF829

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62143-1, F62143-2, F62143-3, F62143-4, F62143-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	16	ug/kg	
107-02-8	Acrolein	ND	25	9.8	ug/kg	
107-13-1	Acrylonitrile	ND	25	6.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.7	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.2	ug/kg	
75-25-2	Bromoform	ND	5.0	1.5	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.7	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	10	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	2.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	2.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	

Method Blank Summary

Job Number: F62143
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF829-MB	F032894.D	1	12/23/08	SH	n/a	n/a	VF829

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62143-1, F62143-2, F62143-3, F62143-4, F62143-5

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	2.6	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
110-54-3	Hexane	ND	5.0	2.4	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	6.4	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.5	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.5	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	8.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.5	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.2	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.0	ug/kg	

Method Blank Summary

Job Number: F62143
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF829-MB	F032894.D	1	12/23/08	SH	n/a	n/a	VF829

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62143-1, F62143-2, F62143-3, F62143-4, F62143-5

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	2.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	12	ug/kg	
	m,p-Xylene	ND	10	1.9	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	80-121%
2037-26-5	Toluene-D8	103%	71-130%
460-00-4	4-Bromofluorobenzene	104%	59-148%
17060-07-0	1,2-Dichloroethane-D4	96%	77-123%

Blank Spike Summary

Job Number: F62143
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF829-BS	F032893.D	1	12/23/08	SH	n/a	n/a	VF829

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62143-1, F62143-2, F62143-3, F62143-4, F62143-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	135	54*	61-144
75-05-8	Acetonitrile	500	525	105	59-139
107-02-8	Acrolein	250	87.7	35	27-156
107-13-1	Acrylonitrile	250	244	98	55-144
107-05-1	Allyl chloride	50	52.1	104	41-152
71-43-2	Benzene	50	56.5	113	78-130
100-44-7	Benzyl Chloride	50	45.7	91	74-130
108-86-1	Bromobenzene	50	51.4	103	78-123
74-97-5	Bromochloromethane	50	45.2	90	72-122
75-27-4	Bromodichloromethane	50	44.0	88	73-122
75-25-2	Bromoform	50	46.7	93	70-139
104-51-8	n-Butylbenzene	50	52.3	105	80-138
135-98-8	sec-Butylbenzene	50	53.7	107	82-132
98-06-6	tert-Butylbenzene	50	53.3	107	79-130
108-90-7	Chlorobenzene	50	49.5	99	83-122
75-00-3	Chloroethane	50	40.9	82	61-153
67-66-3	Chloroform	50	48.1	96	79-129
544-10-5	1-Chlorohexane	50	57.7	115	85-137
95-49-8	o-Chlorotoluene	50	51.5	103	77-123
106-43-4	p-Chlorotoluene	50	52.5	105	78-129
110-75-8	2-Chloroethyl vinyl ether	250	309	124	52-142
75-15-0	Carbon disulfide	50	50.7	101	61-142
56-23-5	Carbon tetrachloride	50	55.6	111	79-135
75-34-3	1,1-Dichloroethane	50	57.0	114	77-132
75-35-4	1,1-Dichloroethylene	50	49.1	98	66-132
563-58-6	1,1-Dichloropropene	50	50.8	102	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	45.0	90	67-129
106-93-4	1,2-Dibromoethane	50	49.9	100	77-126
107-06-2	1,2-Dichloroethane	50	45.3	91	78-129
78-87-5	1,2-Dichloropropane	50	48.5	97	74-127
142-28-9	1,3-Dichloropropane	50	48.8	98	78-118
594-20-7	2,2-Dichloropropane	50	55.9	112	80-137
124-48-1	Dibromochloromethane	50	48.6	97	78-117
75-71-8	Dichlorodifluoromethane	50	42.8	86	35-162
156-59-2	cis-1,2-Dichloroethylene	50	48.8	98	74-123
10061-01-5	cis-1,3-Dichloropropene	50	50.4	101	79-130

Blank Spike Summary

Job Number: F62143
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF829-BS	F032893.D	1	12/23/08	SH	n/a	n/a	VF829

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62143-1, F62143-2, F62143-3, F62143-4, F62143-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	48.6	97	71-126
541-73-1	m-Dichlorobenzene	50	51.9	104	82-126
95-50-1	o-Dichlorobenzene	50	51.2	102	83-123
106-46-7	p-Dichlorobenzene	50	50.0	100	84-124
156-60-5	trans-1,2-Dichloroethylene	50	51.8	104	77-129
10061-02-6	trans-1,3-Dichloropropene	50	53.0	106	87-131
100-41-4	Ethylbenzene	50	51.5	103	82-124
97-63-2	Ethyl methacrylate	50	46.0	92	78-118
76-13-1	Freon 113	50	44.7	89	62-147
591-78-6	2-Hexanone	250	189	76	67-130
87-68-3	Hexachlorobutadiene	50	61.9	124	77-150
110-54-3	Hexane	50	64.1	128	65-147
98-82-8	Isopropylbenzene	50	54.5	109	82-133
99-87-6	p-Isopropyltoluene	50	55.3	111	82-132
108-10-1	4-Methyl-2-pentanone	250	237	95	69-125
126-98-7	Methacrylonitrile	500	467	93	70-138
74-83-9	Methyl bromide	50	40.6	81	60-146
74-87-3	Methyl chloride	50	48.1	96	58-163
74-88-4	Methyl iodide	50	41.6	83	66-128
80-62-6	Methyl methacrylate	50	46.5	93	73-125
74-95-3	Methylene bromide	50	46.7	93	75-128
75-09-2	Methylene chloride	50	38.7	77	62-140
78-93-3	Methyl ethyl ketone	250	168	67	66-134
1634-04-4	Methyl Tert Butyl Ether	50	47.9	96	70-131
91-20-3	Naphthalene	50	52.9	106	59-143
76-01-7	Pentachloroethane	50	48.4	97	64-156
107-12-0	Propionitrile	500	453	91	73-133
103-65-1	n-Propylbenzene	50	53.1	106	78-129
100-42-5	Styrene	50	52.3	105	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	48.6	97	81-121
71-55-6	1,1,1-Trichloroethane	50	55.1	110	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	47.1	94	70-128
79-00-5	1,1,2-Trichloroethane	50	46.3	93	76-118
87-61-6	1,2,3-Trichlorobenzene	50	51.9	104	78-136
96-18-4	1,2,3-Trichloropropane	50	43.6	87	74-125
120-82-1	1,2,4-Trichlorobenzene	50	52.7	105	82-137

Blank Spike Summary

Job Number: F62143
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF829-BS	F032893.D	1	12/23/08	SH	n/a	n/a	VF829

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62143-1, F62143-2, F62143-3, F62143-4, F62143-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	51.4	103	77-129
108-67-8	1,3,5-Trimethylbenzene	50	54.4	109	79-129
127-18-4	Tetrachloroethylene	50	52.2	104	79-132
108-88-3	Toluene	50	50.4	101	80-123
79-01-6	Trichloroethylene	50	48.2	96	78-132
75-69-4	Trichlorofluoromethane	50	41.8	84	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	49.8	100	74-138
75-01-4	Vinyl chloride	50	44.7	89	60-145
108-05-4	Vinyl Acetate	250	200	80	25-164
	m,p-Xylene	100	103	103	82-128
95-47-6	o-Xylene	50	52.9	106	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	80-121%
2037-26-5	Toluene-D8	103%	71-130%
460-00-4	4-Bromofluorobenzene	105%	59-148%
17060-07-0	1,2-Dichloroethane-D4	94%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62143
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62128-1MS	F032901.D	1	12/23/08	SH	n/a	n/a	VF829
F62128-1MSD	F032902.D	1	12/23/08	SH	n/a	n/a	VF829
F62128-1	F032895.D	1	12/23/08	SH	n/a	n/a	VF829

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62143-1, F62143-2, F62143-3, F62143-4, F62143-5

CAS No.	Compound	F62128-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	78 U		308	111	36*	107	35*	4	61-144/29
75-05-8	Acetonitrile	78 U		616	400	65	454	74	13	59-139/30
107-02-8	Acrolein	39 U		308	39.5	13*	ND	0*	200*	27-156/39
107-13-1	Acrylonitrile	39 U		308	225	73	216	71	4	55-144/24
107-05-1	Allyl chloride	39 U		61.6	67.6	110	68.0	112	1	41-152/24
71-43-2	Benzene	7.8 U		61.6	73.1	119	74.0	121	1	78-130/25
100-44-7	Benzyl Chloride	7.8 U		61.6	47.7	77	53.8	88	12	74-130/28
108-86-1	Bromobenzene	7.8 U		61.6	99.8	162*	85.9	141*	15	78-123/30
74-97-5	Bromochloromethane	7.8 U		61.6	50.1	81	49.9	82	0	72-122/23
75-27-4	Bromodichloromethane	7.8 U		61.6	45.6	74	47.9	79	5	73-122/25
75-25-2	Bromoform	7.8 U		61.6	46.5	76	47.0	77	1	70-139/26
104-51-8	n-Butylbenzene	7.8 U		61.6	48.0	78*	49.5	81	3	80-138/31
135-98-8	sec-Butylbenzene	7.8 U		61.6	57.3	93	60.7	100	6	82-132/29
98-06-6	tert-Butylbenzene	7.8 U		61.6	61.6	100	67.0	110	8	79-130/29
108-90-7	Chlorobenzene	7.8 U		61.6	63.1	102	64.9	106	3	83-122/23
75-00-3	Chloroethane	7.8 U		61.6	34.6	56*	40.3	66	15	61-153/31
67-66-3	Chloroform	7.8 U		61.6	54.3	88	56.0	92	3	79-129/27
544-10-5	1-Chlorohexane	7.8 U		61.6	65.1	106	63.2	104	3	85-137/29
95-49-8	o-Chlorotoluene	7.8 U		61.6	70.2	114	80.1	131*	13	77-123/31
106-43-4	p-Chlorotoluene	7.8 U		61.6	71.3	116	81.4	134*	13	78-129/29
110-75-8	2-Chloroethyl vinyl ether	39 U		308	312	101	302	99	3	52-142/25
75-15-0	Carbon disulfide	7.8 U		61.6	41.5	67	49.8	82	18	61-142/27
56-23-5	Carbon tetrachloride	7.8 U		61.6	58.1	94	60.5	99	4	79-135/29
75-34-3	1,1-Dichloroethane	7.8 U		61.6	70.5	115	72.0	118	2	77-132/26
75-35-4	1,1-Dichloroethylene	7.8 U		61.6	43.5	71	50.9	83	16	66-132/27
563-58-6	1,1-Dichloropropene	7.8 U		61.6	62.4	101	63.8	105	2	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	7.8 U		61.6	41.3	67	53.3	87	25	67-129/29
106-93-4	1,2-Dibromoethane	7.8 U		61.6	54.0	88	55.0	90	2	77-126/24
107-06-2	1,2-Dichloroethane	7.8 U		61.6	43.7	71*	45.6	75*	4	78-129/24
78-87-5	1,2-Dichloropropane	7.8 U		61.6	61.4	100	60.0	98	2	74-127/27
142-28-9	1,3-Dichloropropane	7.8 U		61.6	58.9	96	60.5	99	3	78-118/26
594-20-7	2,2-Dichloropropane	7.8 U		61.6	61.1	99	63.2	104	3	80-137/28
124-48-1	Dibromochloromethane	7.8 U		61.6	53.4	87	54.3	89	2	78-117/27
75-71-8	Dichlorodifluoromethane	7.8 U		61.6	44.3	72	47.5	78	7	35-162/30
156-59-2	cis-1,2-Dichloroethylene	7.8 U		61.6	59.4	96	61.6	101	4	74-123/26
10061-01-5	cis-1,3-Dichloropropene	7.8 U		61.6	55.3	90	54.8	90	1	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62143
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62128-1MS	F032901.D	1	12/23/08	SH	n/a	n/a	VF829
F62128-1MSD	F032902.D	1	12/23/08	SH	n/a	n/a	VF829
F62128-1	F032895.D	1	12/23/08	SH	n/a	n/a	VF829

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62143-1, F62143-2, F62143-3, F62143-4, F62143-5

CAS No.	Compound	F62128-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	39	U	61.6	62.2	101	70.0	115	12	71-126/28
541-73-1	m-Dichlorobenzene	7.8	U	61.6	58.8	96	65.8	108	11	82-126/29
95-50-1	o-Dichlorobenzene	7.8	U	61.6	52.3	85	58.2	95	11	83-123/28
106-46-7	p-Dichlorobenzene	7.8	U	61.6	56.8	92	63.0	103	10	84-124/28
156-60-5	trans-1,2-Dichloroethylene	7.8	U	61.6	63.2	103	64.9	106	3	77-129/27
10061-02-6	trans-1,3-Dichloropropene	7.8	U	61.6	61.9	101	65.3	107	5	87-131/27
100-41-4	Ethylbenzene	7.8	U	61.6	67.9	110	69.1	113	2	82-124/25
97-63-2	Ethyl methacrylate	39	U	61.6	43.1	70*	39.5	65*	9	78-118/30
76-13-1	Freon 113	7.8	U	61.6	35.7	58*	41.1	67	14	62-147/29
591-78-6	2-Hexanone	39	U	308	205	67	196	64*	4	67-130/29
87-68-3	Hexachlorobutadiene	7.8	U	61.6	27.3	44*	26.5	43*	3	77-150/36
110-54-3	Hexane	7.8	U	61.6	63.3	103	60.0	98	5	65-147/27
98-82-8	Isopropylbenzene	7.8	U	61.6	66.4	108	64.6	106	3	82-133/27
99-87-6	p-Isopropyltoluene	7.8	U	61.6	57.4	93	60.0	98	4	82-132/29
108-10-1	4-Methyl-2-pentanone	39	U	308	278	90	276	91	1	69-125/24
126-98-7	Methacrylonitrile	39	U	616	450	73	437	72	3	70-138/22
74-83-9	Methyl bromide	7.8	U	61.6	35.1	57*	39.8	65	13	60-146/31
74-87-3	Methyl chloride	7.8	U	61.6	50.3	82	56.0	92	11	58-163/26
74-88-4	Methyl iodide	16	U	61.6	42.7	69	42.9	70	0	66-128/27
80-62-6	Methyl methacrylate	39	U	61.6	53.1	86	52.3	86	2	73-125/24
74-95-3	Methylene bromide	7.8	U	61.6	44.8	73*	46.2	76	3	75-128/26
75-09-2	Methylene chloride	16	U	61.6	65.7	107	68.5	112	4	62-140/25
78-93-3	Methyl ethyl ketone	39	U	308	151	49*	145	48*	4	66-134/23
1634-04-4	Methyl Tert Butyl Ether	7.8	U	61.6	49.0	80	49.2	81	0	70-131/25
91-20-3	Naphthalene	7.8	U	61.6	35.2	57*	33.8	55*	4	59-143/31
76-01-7	Pentachloroethane	39	U	61.6	63.6	103	72.2	118	13	64-156/37
107-12-0	Propionitrile	78	U	616	428	70*	415	68*	3	73-133/23
103-65-1	n-Propylbenzene	7.8	U	61.6	74.2	121	83.2	136*	11	78-129/29
100-42-5	Styrene	7.8	U	61.6	64.0	104	64.4	106	1	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	7.8	U	61.6	58.6	95	60.0	98	2	81-121/25
71-55-6	1,1,1-Trichloroethane	7.8	U	61.6	60.7	99	62.4	102	3	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	7.8	U	61.6	63.3	103	72.6	119	14	70-128/30
79-00-5	1,1,2-Trichloroethane	7.8	U	61.6	58.3	95	58.0	95	1	76-118/28
87-61-6	1,2,3-Trichlorobenzene	7.8	U	61.6	21.2	34*	20.6	34*	3	78-136/34
96-18-4	1,2,3-Trichloropropane	7.8	U	61.6	55.0	89	64.2	105	15	74-125/30
120-82-1	1,2,4-Trichlorobenzene	7.8	U	61.6	26.8	44*	25.7	42*	4	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62143
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62128-1MS	F032901.D	1	12/23/08	SH	n/a	n/a	VF829
F62128-1MSD	F032902.D	1	12/23/08	SH	n/a	n/a	VF829
F62128-1	F032895.D	1	12/23/08	SH	n/a	n/a	VF829

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62143-1, F62143-2, F62143-3, F62143-4, F62143-5

CAS No.	Compound	F62128-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	7.8 U		61.6	69.2	112	76.1	125	9	77-129/29
108-67-8	1,3,5-Trimethylbenzene	7.8 U		61.6	72.3	117	80.2	132*	10	79-129/31
127-18-4	Tetrachloroethylene	7.8 U		61.6	92.9	151*	98.6	162*	6	79-132/27
108-88-3	Toluene	7.8 U		61.6	77.5	126*	82.0	134*	6	80-123/26
79-01-6	Trichloroethylene	7.8 U		61.6	58.7	95	59.6	98	2	78-132/28
75-69-4	Trichlorofluoromethane	7.8 U		61.6	35.2	57*	39.9	65*	13	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	39 U		61.6	59.2	96	69.5	114	16	74-138/30
75-01-4	Vinyl chloride	7.8 U		61.6	37.6	61	40.4	66	7	60-145/29
108-05-4	Vinyl Acetate	39 U		308	51.8	17*	38.6	13*	29	25-164/35
	m,p-Xylene	16 U		123	136	110	138	113	1	82-128/25
95-47-6	o-Xylene	7.8 U		61.6	68.0	110	68.5	112	1	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F62128-1	Limits
1868-53-7	Dibromofluoromethane	82%	85%	104%	80-121%
2037-26-5	Toluene-D8	115%	118%	120%	71-130%
460-00-4	4-Bromofluorobenzene	130%	144%	150%* [a]	59-148%
17060-07-0	1,2-Dichloroethane-D4	71%*	73%*	98%	77-123%

(a) Outside control limits due to matrix interference.

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F62143
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1971-MB	QR045355.D	1	12/19/08	AH	n/a	n/a	GQR1971

The QC reported here applies to the following samples: **Method:** SW846 8015

F62143-1, F62143-2, F62143-3, F62143-4

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	83%	56-136%
98-08-8	aaa-Trifluorotoluene	82%	61-121%

Blank Spike Summary

Job Number: F62143
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR1971-BS	QR045354.D	1	12/19/08	AH	n/a	n/a	GQR1971

The QC reported here applies to the following samples: **Method:** SW846 8015

F62143-1, F62143-2, F62143-3, F62143-4

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	18.6	93	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	92%	56-136%
98-08-8	aaa-Trifluorotoluene	99%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62143
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62105-4MS	QR045377.D	1	12/19/08	AH	n/a	n/a	GQR1971
F62105-4MSD	QR045378.D	1	12/19/08	AH	n/a	n/a	GQR1971
F62105-4	QR045363.D	1	12/19/08	AH	n/a	n/a	GQR1971

The QC reported here applies to the following samples: **Method:** SW846 8015

F62143-1, F62143-2, F62143-3, F62143-4

CAS No.	Compound	F62105-4 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		20.8	19.1	92	18.7	90	2	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F62105-4	Limits
460-00-4	4-Bromofluorobenzene	82%	80%	77%	56-136%
98-08-8	aaa-Trifluorotoluene	96%	96%	77%	61-121%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F62143
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27436-MB	LL24640.D	1	12/19/08	NY	12/12/08	OP27436	GLL918

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62143-1, F62143-2, F62143-3, F62143-4

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	8.3	5.0	mg/kg	
	TPH (> C22-C36)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	88%	49-108%

Blank Spike Summary

Job Number: F62143
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27436-BS	LL24639.D	1	12/19/08	NY	12/12/08	OP27436	GLL918

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62143-1, F62143-2, F62143-3, F62143-4

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C22)	33	32.0	97	64-102
	TPH (> C22-C36)	33	38.3	116	52-131

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	93%	49-108%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62143
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27436-MS	LL24647.D	1	12/19/08	NY	12/12/08	OP27436	GLL918
OP27436-MSD	LL24648.D	1	12/19/08	NY	12/12/08	OP27436	GLL918
F62105-4	LL24646.D	1	12/19/08	NY	12/12/08	OP27436	GLL918

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62143-1, F62143-2, F62143-3, F62143-4

CAS No.	Compound	F62105-4 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		37	35.2	95	36.5	98	4	64-102/32
	TPH (> C22-C36)	ND		37	42.5	115	44.3	119	4	52-131/30

CAS No.	Surrogate Recoveries	MS	MSD	F62105-4	Limits
84-15-1	o-Terphenyl	91%	94%	87%	49-108%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/15/08

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F61631

Sampling Date: 11/18/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **41**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Sections: 1 2 3 4 5 6 7 8

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F61631-1: MW29-05 7
3.2: F61631-2: TRIP BLANK 13
Section 4: Misc. Forms **16**
4.1: Certification Exceptions 17
4.2: Chain of Custody 18
Section 5: GC/MS Volatiles - QC Data Summaries **20**
5.1: Method Blank Summary 21
5.2: Blank Spike Summary 24
5.3: Matrix Spike/Matrix Spike Duplicate Summary 27
Section 6: GC Volatiles - QC Data Summaries **30**
6.1: Method Blank Summary 31
6.2: Blank Spike Summary 32
6.3: Matrix Spike/Matrix Spike Duplicate Summary 33
Section 7: GC Semi-volatiles - QC Data Summaries **34**
7.1: Method Blank Summary 35
7.2: Blank Spike Summary 37
7.3: Matrix Spike/Matrix Spike Duplicate Summary 38
Section 8: General Chemistry - QC Data Summaries **39**
8.1: Method Blank and Spike Results Summary 40
8.2: Duplicate Results Summary 41

Sample Summary

North Wind, Inc

Job No: F61631

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F61631-1	11/18/08	11:55	DN	11/19/08	AQ	Ground Water	MW29-05
F61631-2	11/18/08	00:00	DN	11/19/08	AQ	Trip Blank Water	TRIP BLANK

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F61631

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/4/2008 4:27:28 PM

1 Sample, 1 Trip Blank were collected on 11/18/2008 and were received at Accutest on 11/19/2008 properly preserved, at 1.8 Deg. C and intact. These Samples received an Accutest job number of F61631. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VF813

Sample(s) F61609-4MS, F61609-4MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

BS/MS/MSD Recovery(s) for Acrolein are outside control limits.

Matrix Spike Recovery(s) for 2-Chloroethyl vinyl ether, Acetone, Bromochloromethane, cis-1,2-Dichloroethylene, Methyl iodide are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,1-Dichloropropene, 1-Chlorohexane, 2-Chloroethyl vinyl ether, Acetone, Acrylonitrile, Bromobenzene, Bromochloromethane, Chlorobenzene, cis-1,2-Dichloroethylene, cis-1,3-Dichloropropene, Ethylbenzene, m-Dichlorobenzene, Methyl iodide, n-Propylbenzene, o-Chlorotoluene, o-Dichlorobenzene, p-Chlorotoluene, p-Dichlorobenzene, Toluene, Trichloroethylene are outside control limits. Probable cause due to matrix interference. See Blank Spike for method performance in clean matrix.

RPD(s) for MSD for Acetonitrile, Chlorobenzene, p-Chlorotoluene, Pentachloroethane are outside control limits for sample F61609-4MSD. Probable cause due to sample homogeneity.

F61631-1 for Acrolein: CCV and BS outside of control limits; results may be biased low.

F61631-2 for Acrolein: CCV and BS outside of control limits; results may be biased low.

F61631-2 for Methylene chloride: Suspected laboratory contaminant.

Volatiles by GC By Method SW846 8015

Matrix: AQ **Batch ID:** GUV1892

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Extractables by GC By Method SW846 8015 M

Matrix: AQ **Batch ID:** OP27225

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F61632-1MS, F61632-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

F61631-1 for TPH (C10-C22): Petroleum hydrocarbon pattern begins before C10.

Matrix: AQ **Batch ID:** GN32906

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61631-1DUP were used as the QC samples for Solids, Total Dissolved.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision,

accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____

Svetlana Izosimova, QAO (signature on file)

Date: December 04, 2008

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW29-05		
Lab Sample ID:	F61631-1	**Date Sampled:**	11/18/08
Matrix:	AQ - Ground Water	**Date Received:**	11/19/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F032402.D	1	12/02/08	AJ	n/a	n/a	VF813
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein [a]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	2.4	1.0	0.40	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	1.6	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	1.1	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	0.38	1.0	0.22	ug/l	J
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	0.28	1.0	0.24	ug/l	J
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	58.4	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW29-05		
Lab Sample ID:	F61631-1	**Date Sampled:**	11/18/08
Matrix:	AQ - Ground Water	**Date Received:**	11/19/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	1.4	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	0.32	1.0	0.20	ug/l	J
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW29-05		
Lab Sample ID:	F61631-1	**Date Sampled:**	11/18/08
Matrix:	AQ - Ground Water	**Date Received:**	11/19/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	6.2	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	ND	2.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		87-116%
17060-07-0	1,2-Dichloroethane-D4	112%		76-127%
2037-26-5	Toluene-D8	104%		86-112%
460-00-4	4-Bromofluorobenzene	100%		84-120%

(a) CCV and BS outside of control limits; results may be biased low.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW29-05		
Lab Sample ID:	F61631-1	**Date Sampled:**	11/18/08
Matrix:	AQ - Ground Water	**Date Received:**	11/19/08
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV032936.D	1	12/01/08	AH	n/a	n/a	GUV1892
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.0780	0.10	0.050	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	83%		57-129%
98-08-8	aaa-Trifluorotoluene	85%		58-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW29-05		
Lab Sample ID:	F61631-1	**Date Sampled:**	11/18/08
Matrix:	AQ - Ground Water	**Date Received:**	11/19/08
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24118.D	1	11/26/08	ME	11/21/08	OP27225	GLL904
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22) [a]	0.163	0.24	0.096	mg/l	J
	TPH (> C22-C36)	ND	0.24	0.096	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	97%		42-114%

(a) Petroleum hydrocarbon pattern begins before C10.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW29-05		
Lab Sample ID:	F61631-1	**Date Sampled:**	11/18/08
Matrix:	AQ - Ground Water	**Date Received:**	11/19/08
		Percent Solids:	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	20000	100	10	mg/l	1	11/20/08 14:30	LE	SM19 2540C

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61631-2	**Date Sampled:**	11/18/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	11/19/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F032403.D	1	12/02/08	AJ	n/a	n/a	VF813
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein [a]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61631-2	**Date Sampled:**	11/18/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	11/19/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride [b]	3.3	5.0	1.0	ug/l	J
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61631-2	**Date Sampled:**	11/18/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	11/19/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	ND	2.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		87-116%
17060-07-0	1,2-Dichloroethane-D4	103%		76-127%
2037-26-5	Toluene-D8	103%		86-112%
460-00-4	4-Bromofluorobenzene	99%		84-120%

(a) CCV and BS outside of control limits; results may be biased low.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

Parameter Certification Exceptions

Job Number: F61631
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

The following parameters included in this report are exceptions to NELAC certification.
The certification status of each is indicated below.

Parameter	CAS#	Method	Mat	Certification Status
Freon 113	76-13-1	**SW846 8260B**	AQ	Certified by SOP MS005

F61631

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

Page 1 of 1

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number (1): 11-18-2008-05

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Dusty McNeil

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code (2)	Sample Number (2)	Sample Matrix (4)	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)					Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
									Sample Analysis Requested (5)									Quality Assurance Samples (6)			
1	MW29-05	MW29-05	18-Nov-2008	1155	-	N	01	WG	7	X	X	X	X								5
2	Trip Blank				-			WQ	2	X											5
					-																
					-																
					-																
					-																
					-																
					-																
					-																
					-																
					-																

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time		Received by (signed)	Date	Time
1.		11/18/08	1400	1.		11/19/08	9:00
2.				2.			
3.				3.			

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: Shipped No.:

Method of Shipment: Airbill Number:

Analytical Lab: Accutest Laboratories Delivery Location:

Lab Recipient: Delivery Date/Time:

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

1 8

4.2 4

F61631: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61631 CLIENT: BHATE PROJECT: SS-61

DATE/TIME RECEIVED: 11/19/08 9:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 1.8

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8685 5824 0485

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [X] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ?

NUMBER OF 5035 FIELD KITS ?

NUMBER OF LAB FILTERED METALS ?

SUMMARY OF COMMENTS: Only received 2 vials (VOC)(Bro)

TECHNICIAN SIGNATURE/DATE: [signature] 11/19/08 TECHNICIAN SIGNATURE/DATE: E.T. 11-19-08 ASBD 12/17/07

4.2 4

F61631: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61631
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF813-MB	F032398.D	1	12/02/08	AJ	n/a	n/a	VF813

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61631-1, F61631-2

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

Method Blank Summary

Job Number: F61631
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF813-MB	F032398.D	1	12/02/08	AJ	n/a	n/a	VF813

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61631-1, F61631-2

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

Method Blank Summary

Job Number: F61631
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF813-MB	F032398.D	1	12/02/08	AJ	n/a	n/a	VF813

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61631-1, F61631-2

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	ND	2.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	106%	76-127%
2037-26-5	Toluene-D8	101%	86-112%
460-00-4	4-Bromofluorobenzene	100%	84-120%

Blank Spike Summary

Job Number: F61631
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF813-BS	F032397.D	1	12/02/08	AJ	n/a	n/a	VF813

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61631-1, F61631-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	111	89	59-134
75-05-8	Acetonitrile	250	259	104	57-123
107-02-8	Acrolein	125	18.9	15*	33-157
107-13-1	Acrylonitrile	125	130	104	62-124
107-05-1	Allyl chloride	25	20.3	81	48-136
71-43-2	Benzene	25	24.8	99	83-124
100-44-7	Benzyl Chloride	25	23.4	94	61-118
108-86-1	Bromobenzene	25	23.8	95	83-115
74-97-5	Bromochloromethane	25	21.2	85	78-112
75-27-4	Bromodichloromethane	25	23.3	93	76-116
75-25-2	Bromoform	25	25.7	103	68-128
104-51-8	n-Butylbenzene	25	25.5	102	84-124
135-98-8	sec-Butylbenzene	25	25.4	102	86-127
98-06-6	tert-Butylbenzene	25	25.2	101	83-126
108-90-7	Chlorobenzene	25	24.3	97	87-115
75-00-3	Chloroethane	25	24.8	99	54-166
67-66-3	Chloroform	25	25.1	100	85-123
544-10-5	1-Chlorohexane	25	25.8	103	87-128
95-49-8	o-Chlorotoluene	25	24.4	98	84-121
106-43-4	p-Chlorotoluene	25	24.3	97	84-120
110-75-8	2-Chloroethyl vinyl ether	125	154	123	63-125
75-15-0	Carbon disulfide	25	20.5	82	67-147
56-23-5	Carbon tetrachloride	25	25.4	102	74-139
75-34-3	1,1-Dichloroethane	25	25.4	102	82-127
75-35-4	1,1-Dichloroethylene	25	24.4	98	75-133
563-58-6	1,1-Dichloropropene	25	24.1	96	87-127
96-12-8	1,2-Dibromo-3-chloropropane	25	26.2	105	61-118
106-93-4	1,2-Dibromoethane	25	23.7	95	80-115
107-06-2	1,2-Dichloroethane	25	23.6	94	76-122
78-87-5	1,2-Dichloropropane	25	23.9	96	81-120
142-28-9	1,3-Dichloropropane	25	23.8	95	81-113
594-20-7	2,2-Dichloropropane	25	26.0	104	77-138
124-48-1	Dibromochloromethane	25	24.2	97	74-116
75-71-8	Dichlorodifluoromethane	25	17.7	71	34-158
156-59-2	cis-1,2-Dichloroethylene	25	22.9	92	81-114
10061-01-5	cis-1,3-Dichloropropene	25	24.0	96	83-119

Blank Spike Summary

Job Number: F61631
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF813-BS	F032397.D	1	12/02/08	AJ	n/a	n/a	VF813

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61631-1, F61631-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	25	22.4	90	41-130
541-73-1	m-Dichlorobenzene	25	24.7	99	86-115
95-50-1	o-Dichlorobenzene	25	24.8	99	85-115
106-46-7	p-Dichlorobenzene	25	24.5	98	87-113
156-60-5	trans-1,2-Dichloroethylene	25	26.0	104	82-126
10061-02-6	trans-1,3-Dichloropropene	25	26.2	105	87-123
100-41-4	Ethylbenzene	25	24.7	99	87-118
97-63-2	Ethyl methacrylate	25	24.2	97	68-110
76-13-1	Freon 113	25	23.2	93	74-139
591-78-6	2-Hexanone	125	123	98	58-125
87-68-3	Hexachlorobutadiene	25	29.0	116	71-133
110-54-3	Hexane	25	29.2	117	71-134
98-82-8	Isopropylbenzene	25	26.6	106	87-131
99-87-6	p-Isopropyltoluene	25	26.0	104	83-125
108-10-1	4-Methyl-2-pentanone	125	129	103	62-125
126-98-7	Methacrylonitrile	250	247	99	62-133
74-83-9	Methyl bromide	25	22.9	92	55-151
74-87-3	Methyl chloride	25	22.9	92	55-173
74-88-4	Methyl iodide	25	19.9	80	72-125
80-62-6	Methyl methacrylate	25	24.8	99	63-115
74-95-3	Methylene bromide	25	24.0	96	81-116
75-09-2	Methylene chloride	25	25.2	101	69-125
78-93-3	Methyl ethyl ketone	125	109	87	61-127
1634-04-4	Methyl Tert Butyl Ether	25	23.3	93	75-116
91-20-3	Naphthalene	25	25.8	103	59-125
76-01-7	Pentachloroethane	25	24.5	98	82-111
107-12-0	Propionitrile	250	272	109	69-119
103-65-1	n-Propylbenzene	25	24.8	99	86-125
100-42-5	Styrene	25	25.9	104	78-118
630-20-6	1,1,1,2-Tetrachloroethane	25	24.7	99	81-119
71-55-6	1,1,1-Trichloroethane	25	25.6	102	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	25.0	100	71-120
79-00-5	1,1,2-Trichloroethane	25	24.1	96	80-114
87-61-6	1,2,3-Trichlorobenzene	25	25.0	100	64-126
96-18-4	1,2,3-Trichloropropane	25	22.5	90	77-115
120-82-1	1,2,4-Trichlorobenzene	25	25.3	101	68-123

Blank Spike Summary

Job Number: F61631
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF813-BS	F032397.D	1	12/02/08	AJ	n/a	n/a	VF813

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61631-1, F61631-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	25	25.1	100	82-120
108-67-8	1,3,5-Trimethylbenzene	25	25.2	101	83-123
127-18-4	Tetrachloroethylene	25	24.1	96	80-131
108-88-3	Toluene	25	24.5	98	86-116
79-01-6	Trichloroethylene	25	23.2	93	85-124
75-69-4	Trichlorofluoromethane	25	17.3	69	66-156
110-57-6	Trans-1,4-Dichloro-2-Butene	25	25.1	100	51-137
75-01-4	Vinyl chloride	25	23.8	95	57-153
108-05-4	Vinyl Acetate	125	144	115	38-159
	m,p-Xylene	50	50.5	101	86-121
95-47-6	o-Xylene	25	25.4	102	83-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	106%	76-127%
2037-26-5	Toluene-D8	101%	86-112%
460-00-4	4-Bromofluorobenzene	97%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61631
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61609-4MS	F032409.D	1	12/02/08	AJ	n/a	n/a	VF813
F61609-4MSD	F032410.D	1	12/02/08	AJ	n/a	n/a	VF813
F61609-4	F032411.D	1	12/02/08	AJ	n/a	n/a	VF813

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61631-1, F61631-2

CAS No.	Compound	F61609-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25 U		125	62.8	50*	70.5	56*	12	59-134/14
75-05-8	Acetonitrile	20 U		250	190	76	223	89	16*	57-123/15
107-02-8	Acrolein	20 U		125	17.9	14*	18.5	15*	3	33-157/21
107-13-1	Acrylonitrile	10 U		125	143	114	157	126*	9	62-124/13
107-05-1	Allyl chloride	10 U		25	17.5	70	16.6	66	5	48-136/13
71-43-2	Benzene	1.0 U		25	22.8	91	20.9	84	9	83-124/11
100-44-7	Benzyl Chloride	2.0 U		25	20.0	80	19.5	78	3	61-118/12
108-86-1	Bromobenzene	1.0 U		25	22.1	88	20.3	81*	8	83-115/10
74-97-5	Bromochloromethane	1.0 U		25	18.8	75*	17.7	71*	6	78-112/10
75-27-4	Bromodichloromethane	0.59	I	25	22.5	88	20.7	80	8	76-116/10
75-25-2	Bromoform	1.0 U		25	21.9	88	21.3	85	3	68-128/11
104-51-8	n-Butylbenzene	1.0 U		25	23.1	92	21.2	85	9	84-124/10
135-98-8	sec-Butylbenzene	1.0 U		25	23.7	95	21.8	87	8	86-127/10
98-06-6	tert-Butylbenzene	1.0 U		25	23.9	96	21.8	87	9	83-126/10
108-90-7	Chlorobenzene	1.0 U		25	22.7	91	20.6	82*	10*	87-115/9
75-00-3	Chloroethane	2.0 U		25	22.7	91	21.9	88	4	54-166/20
67-66-3	Chloroform	4.5		25	27.6	92	25.9	86	6	85-123/10
544-10-5	1-Chlorohexane	2.0 U		25	22.5	90	21.5	86*	5	87-128/10
95-49-8	o-Chlorotoluene	1.0 U		25	22.8	91	20.8	83*	9	84-121/10
106-43-4	p-Chlorotoluene	1.0 U		25	22.9	92	20.6	82*	11*	84-120/10
110-75-8	2-Chloroethyl vinyl ether	5.0 U		125	ND	0*	ND	0*	nc	63-125/24
75-15-0	Carbon disulfide	2.0 U		25	17.7	71	16.9	68	5	67-147/12
56-23-5	Carbon tetrachloride	1.0 U		25	22.6	90	22.0	88	3	74-139/13
75-34-3	1,1-Dichloroethane	1.0 U		25	23.3	93	21.9	88	6	82-127/10
75-35-4	1,1-Dichloroethylene	4.1		25	25.1	84	23.9	79	5	75-133/13
563-58-6	1,1-Dichloropropene	1.0 U		25	22.0	88	20.4	82*	8	87-127/10
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U		25	22.9	92	23.8	95	4	61-118/15
106-93-4	1,2-Dibromoethane	1.0 U		25	20.7	83	20.4	82	1	80-115/10
107-06-2	1,2-Dichloroethane	1.0 U		25	22.2	89	20.9	84	6	76-122/11
78-87-5	1,2-Dichloropropane	1.0 U		25	22.0	88	20.4	82	8	81-120/11
142-28-9	1,3-Dichloropropane	1.0 U		25	21.1	84	20.2	81	4	81-113/11
594-20-7	2,2-Dichloropropane	1.0 U		25	22.5	90	21.2	85	6	77-138/12
124-48-1	Dibromochloromethane	1.0 U		25	22.0	88	20.7	83	6	74-116/11
75-71-8	Dichlorodifluoromethane	2.0 U		25	15.3	61	15.9	64	4	34-158/22
156-59-2	cis-1,2-Dichloroethylene	1.0 U		25	20.0	80*	19.0	76*	5	81-114/10
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	21.1	84	20.0	80*	5	83-119/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61631
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61609-4MS	F032409.D	1	12/02/08	AJ	n/a	n/a	VF813
F61609-4MSD	F032410.D	1	12/02/08	AJ	n/a	n/a	VF813
F61609-4	F032411.D	1	12/02/08	AJ	n/a	n/a	VF813

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61631-1, F61631-2

CAS No.	Compound	F61609-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	10	U	25	19.9	80	19.9	80	0	41-130/33
541-73-1	m-Dichlorobenzene	1.0	U	25	22.4	90	20.5	82*	9	86-115/9
95-50-1	o-Dichlorobenzene	1.0	U	25	22.9	92	20.9	84*	9	85-115/9
106-46-7	p-Dichlorobenzene	1.0	U	25	22.6	90	20.4	82*	10	87-113/10
156-60-5	trans-1,2-Dichloroethylene	1.0	U	25	23.2	93	22.1	88	5	82-126/10
10061-02-6	trans-1,3-Dichloropropene	1.0	U	25	23.4	94	22.1	88	6	87-123/10
100-41-4	Ethylbenzene	1.0	U	25	22.5	90	20.9	84*	7	87-118/10
97-63-2	Ethyl methacrylate	5.0	U	25	20.8	83	21.0	84	1	68-110/11
76-13-1	Freon 113	1.0	U	25	19.5	78	19.3	77	1	74-139/13
591-78-6	2-Hexanone	10	U	125	94.7	76	102	82	7	58-125/14
87-68-3	Hexachlorobutadiene	2.0	U	25	25.4	102	22.9	92	10	71-133/12
110-54-3	Hexane	2.0	U	25	25.8	103	26.3	105	2	71-134/11
98-82-8	Isopropylbenzene	1.0	U	25	23.6	94	22.0	88	7	87-131/10
99-87-6	p-Isopropyltoluene	1.0	U	25	23.6	94	21.5	86	9	83-125/9
108-10-1	4-Methyl-2-pentanone	5.0	U	125	113	90	118	94	4	62-125/13
126-98-7	Methacrylonitrile	20	U	250	215	86	225	90	5	62-133/17
74-83-9	Methyl bromide	2.0	U	25	22.8	91	20.8	83	9	55-151/21
74-87-3	Methyl chloride	2.0	U	25	19.1	76	17.9	72	6	55-173/22
74-88-4	Methyl iodide	5.0	U	25	16.9	68*	16.2	65*	4	72-125/11
80-62-6	Methyl methacrylate	5.0	U	25	20.5	82	22.1	88	8	63-115/10
74-95-3	Methylene bromide	2.0	U	25	22.1	88	20.9	84	6	81-116/10
75-09-2	Methylene chloride	5.0	U	25	22.9	92	21.5	86	6	69-125/11
78-93-3	Methyl ethyl ketone	22.7		125	99.4	61	108	68	8	61-127/13
1634-04-4	Methyl Tert Butyl Ether	1.0	U	25	18.9	76	19.2	77	2	75-116/10
91-20-3	Naphthalene	5.0	U	25	22.5	90	22.2	89	1	59-125/15
76-01-7	Pentachloroethane	10	U	25	23.2	93	21.3	85	9*	82-111/8
107-12-0	Propionitrile	20	U	250	228	91	249	100	9	69-119/12
103-65-1	n-Propylbenzene	1.0	U	25	23.1	92	21.1	84*	9	86-125/10
100-42-5	Styrene	1.0	U	25	23.3	93	21.1	84	10	78-118/11
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	25	22.3	89	20.5	82	8	81-119/10
71-55-6	1,1,1-Trichloroethane	1.0	U	25	22.8	91	21.9	88	4	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	25	22.4	90	22.5	90	0	71-120/11
79-00-5	1,1,2-Trichloroethane	1.0	U	25	22.1	88	21.1	84	5	80-114/11
87-61-6	1,2,3-Trichlorobenzene	1.0	U	25	22.4	90	20.5	82	9	64-126/16
96-18-4	1,2,3-Trichloropropane	2.0	U	25	20.1	80	20.4	82	1	77-115/12
120-82-1	1,2,4-Trichlorobenzene	1.0	U	25	22.6	90	20.7	83	9	68-123/11

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61631
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61609-4MS	F032409.D	1	12/02/08	AJ	n/a	n/a	VF813
F61609-4MSD	F032410.D	1	12/02/08	AJ	n/a	n/a	VF813
F61609-4	F032411.D	1	12/02/08	AJ	n/a	n/a	VF813

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61631-1, F61631-2

CAS No.	Compound	F61609-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	2.0	U	25	23.2	93	21.1	84	9	82-120/10
108-67-8	1,3,5-Trimethylbenzene	2.0	U	25	23.3	93	21.2	85	9	83-123/10
127-18-4	Tetrachloroethylene	1.0	U	25	21.9	88	20.4	82	7	80-131/12
108-88-3	Toluene	1.0	U	25	22.5	90	20.8	83*	8	86-116/10
79-01-6	Trichloroethylene	1.0	U	25	21.6	86	19.9	80*	8	85-124/10
75-69-4	Trichlorofluoromethane	2.0	U	25	24.5	98	24.1	96	2	66-156/15
110-57-6	Trans-1,4-Dichloro-2-Butene	10	U	25	22.0	88	22.6	90	3	51-137/24
75-01-4	Vinyl chloride	1.0	U	25	20.1	80	20.9	84	4	57-153/22
108-05-4	Vinyl Acetate	10	U	125	161	129	160	128	1	38-159/11
	m,p-Xylene	2.0	U	50	46.6	93	42.8	86	9	86-121/10
95-47-6	o-Xylene	1.0	U	25	23.1	92	21.0	84	10	83-121/10

CAS No.	Surrogate Recoveries	MS	MSD	F61609-4	Limits
1868-53-7	Dibromofluoromethane	102%	103%	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	106%	106%	105%	76-127%
2037-26-5	Toluene-D8	100%	99%	102%	86-112%
460-00-4	4-Bromofluorobenzene	98%	98%	101%	84-120%

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61631
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV1892-MB	UV032935.D	1	12/01/08	AH	n/a	n/a	GUV1892

The QC reported here applies to the following samples: **Method:** SW846 8015

F61631-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	76%	57-129%
98-08-8	aaa-Trifluorotoluene	78%	58-120%

Blank Spike Summary

Job Number: F61631
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV1892-BS	UV032934.D	1	12/01/08	AH	n/a	n/a	GUV1892

The QC reported here applies to the following samples: **Method:** SW846 8015

F61631-1

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	0.4	0.327	82	75-129

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	91%	57-129%
98-08-8	aaa-Trifluorotoluene	85%	58-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61631
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61683-2MS	UV032951.D	10	12/01/08	AH	n/a	n/a	GUV1892
F61683-2MSD	UV032952.D	10	12/01/08	AH	n/a	n/a	GUV1892
F61683-2	UV032948.D	10	12/01/08	AH	n/a	n/a	GUV1892

The QC reported here applies to the following samples: **Method:** SW846 8015

F61631-1

CAS No.	Compound	F61683-2 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	1.63		4	3.79	54*	3.80	54*	0	75-129/13

CAS No.	Surrogate Recoveries	MS	MSD	F61683-2	Limits
460-00-4	4-Bromofluorobenzene	87%	84%	79%	57-129%
98-08-8	aaa-Trifluorotoluene	80%	83%	74%	58-120%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61631
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27225-MB	LL24101.D	1	11/25/08	ME	11/21/08	OP27225	GLL903

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61631-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.25	0.10	mg/l	
	TPH (> C22-C36)	ND	0.25	0.10	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	94%	42-114%

Method Blank Summary

Job Number: F61631
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27225-MB	LL24116.D	1	11/26/08	ME	11/21/08	OP27225	GLL904

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61631-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.25	0.10	mg/l	
	TPH (> C22-C36)	ND	0.25	0.10	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	95%	42-114%

Blank Spike Summary

Job Number: F61631
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27225-BS	LL24100.D	1	11/25/08	ME	11/21/08	OP27225	GLL903

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61631-1

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH (C10-C22)	1	0.991	99	60-140
	TPH (> C22-C36)	1	1.08	108	60-140

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	97%	42-114%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61631
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27225-MS	LL24106.D	1	11/26/08	ME	11/21/08	OP27225	GLL903
OP27225-MSD	LL24107.D	1	11/26/08	ME	11/21/08	OP27225	GLL903
F61632-1	LL24105.D	1	11/26/08	ME	11/21/08	OP27225	GLL903

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61631-1

CAS No.	Compound	F61632-1 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		1.92	1.88	98	1.93	100	3	60-140/30
	TPH (> C22-C36)	ND		1.92	1.99	103	2.08	108	4	60-140/30

CAS No.	Surrogate Recoveries	MS	MSD	F61632-1	Limits
84-15-1	o-Terphenyl	97%	101%	97%	42-114%

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: F61631
Account: NWIDIF - North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Solids, Total Dissolved	GN32906	100	<100	mg/l				

Associated Samples:
Batch GN32906: F61631-1
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: F61631
Account: NWIDIF - North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Solids, Total Dissolved	GN32906	F61631-1	mg/l	20000	21000	4.9	0-5%

Associated Samples:
Batch GN32906: F61631-1
(*) Outside of QC limits

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/15/08

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F61632

Sampling Date: 11/18/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **47**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Note: This report is password protected to disallow document modification or assembly.
A password to unlock this report is available from your client service representative.

Sections: 1 2 3 4 5 6 7 8

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F61632-1: MW-29-02 7
3.2: F61632-2: MW-29-02-a 13
3.3: F61632-3: TRIP BLANK 19
Section 4: Misc. Forms **22**
4.1: Certification Exceptions 23
4.2: Chain of Custody 24
Section 5: GC/MS Volatiles - QC Data Summaries **26**
5.1: Method Blank Summary 27
5.2: Blank Spike Summary 30
5.3: Matrix Spike/Matrix Spike Duplicate Summary 33
Section 6: GC Volatiles - QC Data Summaries **36**
6.1: Method Blank Summary 37
6.2: Blank Spike Summary 38
6.3: Matrix Spike/Matrix Spike Duplicate Summary 39
Section 7: GC Semi-volatiles - QC Data Summaries **40**
7.1: Method Blank Summary 41
7.2: Blank Spike Summary 43
7.3: Matrix Spike/Matrix Spike Duplicate Summary 44
Section 8: General Chemistry - QC Data Summaries **45**
8.1: Method Blank and Spike Results Summary 46
8.2: Duplicate Results Summary 47

Sample Summary

North Wind, Inc

Job No: F61632

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F61632-1	11/18/08	09:40	JM	11/19/08	AQ	Ground Water	MW-29-02
F61632-2	11/18/08	09:40	JM	11/19/08	AQ	Ground Water	MW-29-02-a
F61632-3	11/18/08	00:00	JM	11/19/08	AQ	Trip Blank Water	TRIP BLANK

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F61632

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/4/2008 4:32:48 PM

2 Samples, 1 Trip Blank were collected on 11/18/2008 and received at Accutest on 11/19/2008 properly preserved, at 2 Deg. C and intact. These Samples received an Accutest job number of F61632. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VF813

Sample(s) F61609-4MS, F61609-4MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

The following samples were run outside of holding time for method SW846 8260B: F61632-1, F61632-2, F61632-3

BS/MS/MSD Recovery(s) for Acrolein are outside control limits. Data considered minimum values.

Matrix Spike Recovery(s) for 2-Chloroethyl vinyl ether, Acetone, Bromochloromethane, cis-1,2-Dichloroethylene, Methyl iodide are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,1-Dichloropropene, 1-Chlorohexane, 2-Chloroethyl vinyl ether, Acetone, Acrylonitrile, Bromobenzene, Bromochloromethane, Chlorobenzene, cis-1,2-Dichloroethylene, cis-1,3-Dichloropropene, Ethylbenzene, m-Dichlorobenzene, Methyl iodide, n-Propylbenzene, o-Chlorotoluene, o-Dichlorobenzene, p-Chlorotoluene, p-Dichlorobenzene, Toluene, Trichloroethylene are outside control limits. Probable cause due to matrix interference. See Blank Spike.

RPD(s) for MSD for Acetonitrile, Chlorobenzene, p-Chlorotoluene, Pentachloroethane are outside control limits for sample F61609-4MSD. Probable cause due to sample homogeneity.

F61632-2 for Acrolein: CCV and BS outside of control limits; results may be biased low.

F61632-3 for Acrolein: CCV and BS outside of control limits; results may be biased low.

F61632-3 for Methylene chloride: Suspected laboratory contaminant.

Volatiles by GC By Method SW846 8015

Matrix: AQ **Batch ID:** GUV1892

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Extractables by GC By Method SW846 8015 M

Matrix: AQ **Batch ID:** OP27225

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F61632-1MS, F61632-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN32906

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61631-1DUP were used as the QC samples for Solids, Total Dissolved.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision,

accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

Date: December 04, 2008

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW-29-02		
Lab Sample ID:	F61632-1	**Date Sampled:**	11/18/08
Matrix:	AQ - Ground Water	**Date Received:**	11/19/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F032405.D	1	12/02/08	AJ	n/a	n/a	VF813
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein [a]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	0.79	1.0	0.28	ug/l	J
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	28.7	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-29-02		
Lab Sample ID:	F61632-1	**Date Sampled:**	11/18/08
Matrix:	AQ - Ground Water	**Date Received:**	11/19/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-29-02		
Lab Sample ID:	F61632-1	**Date Sampled:**	11/18/08
Matrix:	AQ - Ground Water	**Date Received:**	11/19/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	ND	2.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		87-116%
17060-07-0	1,2-Dichloroethane-D4	112%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	100%		84-120%

(a) CCV and BS outside of control limits; results may be biased low.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-29-02		
Lab Sample ID:	F61632-1	**Date Sampled:**	11/18/08
Matrix:	AQ - Ground Water	**Date Received:**	11/19/08
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV032941.D	1	12/01/08	AH	n/a	n/a	GUV1892
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	86%		57-129%
98-08-8	aaa-Trifluorotoluene	79%		58-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-29-02		
Lab Sample ID:	F61632-1	**Date Sampled:**	11/18/08
Matrix:	AQ - Ground Water	**Date Received:**	11/19/08
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24105.D	1	11/26/08	ME	11/21/08	OP27225	GLL903
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.24	0.096	mg/l	
	TPH (> C22-C36)	ND	0.24	0.096	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	97%		42-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-29-02		
Lab Sample ID:	F61632-1	**Date Sampled:**	11/18/08
Matrix:	AQ - Ground Water	**Date Received:**	11/19/08
		Percent Solids:	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	18800	100	10	mg/l	1	11/20/08 14:30	LE	SM19 2540C

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-29-02-a		
Lab Sample ID:	F61632-2	**Date Sampled:**	11/18/08
Matrix:	AQ - Ground Water	**Date Received:**	11/19/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F032406.D	1	12/02/08	AJ	n/a	n/a	VF813
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein [a]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	0.79	1.0	0.28	ug/l	J
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	29.1	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-29-02-a		
Lab Sample ID:	F61632-2	**Date Sampled:**	11/18/08
Matrix:	AQ - Ground Water	**Date Received:**	11/19/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-29-02-a		
Lab Sample ID:	F61632-2	**Date Sampled:**	11/18/08
Matrix:	AQ - Ground Water	**Date Received:**	11/19/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	ND	2.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		87-116%
17060-07-0	1,2-Dichloroethane-D4	110%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	99%		84-120%

(a) CCV and BS outside of control limits; results may be biased low.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-29-02-a		
Lab Sample ID:	F61632-2	**Date Sampled:**	11/18/08
Matrix:	AQ - Ground Water	**Date Received:**	11/19/08
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV032942.D	1	12/01/08	AH	n/a	n/a	GUV1892
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	75%		57-129%
98-08-8	aaa-Trifluorotoluene	74%		58-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-29-02-a		
Lab Sample ID:	F61632-2	**Date Sampled:**	11/18/08
Matrix:	AQ - Ground Water	**Date Received:**	11/19/08
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24108.D	1	11/26/08	ME	11/21/08	OP27225	GLL903
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.24	0.096	mg/l	
	TPH (> C22-C36)	ND	0.24	0.096	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	96%		42-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-29-02-a		
Lab Sample ID:	F61632-2	**Date Sampled:**	11/18/08
Matrix:	AQ - Ground Water	**Date Received:**	11/19/08
		Percent Solids:	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	18500	100	10	mg/l	1	11/20/08 14:30	LE	SM19 2540C

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61632-3	**Date Sampled:**	11/18/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	11/19/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F032404.D	1	12/02/08	AJ	n/a	n/a	VF813
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein [a]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61632-3	**Date Sampled:**	11/18/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	11/19/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride [b]	2.5	5.0	1.0	ug/l	J
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61632-3	**Date Sampled:**	11/18/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	11/19/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	ND	2.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		87-116%
17060-07-0	1,2-Dichloroethane-D4	107%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	99%		84-120%

(a) CCV and BS outside of control limits; results may be biased low.
(b) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

Parameter Certification Exceptions

Job Number: F61632
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

The following parameters included in this report are exceptions to NELAC certification.
The certification status of each is indicated below.

Parameter	CAS#	Method	Mat	Certification Status
Freon 113	76-13-1	**SW846 8260B**	AQ	Certified by SOP MS005

F61632

BHATE
Environmental Engineers and Scientists

Chain of Custody and Analytical Request

Page 1 of 1

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number [1]: 11-18-2008-02

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Dusty McNeil

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)						Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Coder ID
	Sample Analysis Requested [5]																		Quality Assurance Samples [6]			
1	MW29-02	MW29-02	18-Nov-2008	0940	-	N	01	WG	7	X	X	X	X									Z
2	MW29-02-a	MW29-02	18-Nov-2008	0940	-	N	01	WG	7	X	X	X	X									Z
3	Trip Blank				-	TB		WQ	2	X												Z
					-																	
					-																	
					-																	
					-																	
					-																	
					-																	
					-																	
					-																	

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time		Received by (signed)	Date	Time
1.	[signature] FX	11/18/05	1400	1.	FX		
2.				2.	[signature]	11/19/08	9:30
3.				3.			

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: _____ Shipped No.: _____

Method of Shipment: _____ Airbill Number: _____

Analytical Lab: Accutest Laboratories Delivery Location: _____

Lab Recipient: _____ Delivery Date/Time: _____

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

7.0

F61632: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61632 CLIENT: BHATE PROJECT: SS-61

DATE/TIME RECEIVED: 11/19/08 9:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.0

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8651 5824 0349

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [X] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ?

NUMBER OF 5035 FIELD KITS ?

NUMBER OF LAB FILTERED METALS ?

SUMMARY OF COMMENTS: Only received 2 vials for each sample (VOC) (GRO)

TECHNICIAN SIGNATURE/DATE: CLR 11/19/08 TECHNICIAN SIGNATURE/DATE: LC 11-19-08 ASBD 12/17/07

4.2 4

F61632: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61632
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF813-MB	F032398.D	1	12/02/08	AJ	n/a	n/a	VF813

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61632-1, F61632-2, F61632-3

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

Method Blank Summary

Job Number: F61632
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF813-MB	F032398.D	1	12/02/08	AJ	n/a	n/a	VF813

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61632-1, F61632-2, F61632-3

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

Method Blank Summary

Job Number: F61632
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF813-MB	F032398.D	1	12/02/08	AJ	n/a	n/a	VF813

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61632-1, F61632-2, F61632-3

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	ND	2.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	106%	76-127%
2037-26-5	Toluene-D8	101%	86-112%
460-00-4	4-Bromofluorobenzene	100%	84-120%

Blank Spike Summary

Job Number: F61632
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF813-BS	F032397.D	1	12/02/08	AJ	n/a	n/a	VF813

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61632-1, F61632-2, F61632-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	111	89	59-134
75-05-8	Acetonitrile	250	259	104	57-123
107-02-8	Acrolein	125	18.9	15*	33-157
107-13-1	Acrylonitrile	125	130	104	62-124
107-05-1	Allyl chloride	25	20.3	81	48-136
71-43-2	Benzene	25	24.8	99	83-124
100-44-7	Benzyl Chloride	25	23.4	94	61-118
108-86-1	Bromobenzene	25	23.8	95	83-115
74-97-5	Bromochloromethane	25	21.2	85	78-112
75-27-4	Bromodichloromethane	25	23.3	93	76-116
75-25-2	Bromoform	25	25.7	103	68-128
104-51-8	n-Butylbenzene	25	25.5	102	84-124
135-98-8	sec-Butylbenzene	25	25.4	102	86-127
98-06-6	tert-Butylbenzene	25	25.2	101	83-126
108-90-7	Chlorobenzene	25	24.3	97	87-115
75-00-3	Chloroethane	25	24.8	99	54-166
67-66-3	Chloroform	25	25.1	100	85-123
544-10-5	1-Chlorohexane	25	25.8	103	87-128
95-49-8	o-Chlorotoluene	25	24.4	98	84-121
106-43-4	p-Chlorotoluene	25	24.3	97	84-120
110-75-8	2-Chloroethyl vinyl ether	125	154	123	63-125
75-15-0	Carbon disulfide	25	20.5	82	67-147
56-23-5	Carbon tetrachloride	25	25.4	102	74-139
75-34-3	1,1-Dichloroethane	25	25.4	102	82-127
75-35-4	1,1-Dichloroethylene	25	24.4	98	75-133
563-58-6	1,1-Dichloropropene	25	24.1	96	87-127
96-12-8	1,2-Dibromo-3-chloropropane	25	26.2	105	61-118
106-93-4	1,2-Dibromoethane	25	23.7	95	80-115
107-06-2	1,2-Dichloroethane	25	23.6	94	76-122
78-87-5	1,2-Dichloropropane	25	23.9	96	81-120
142-28-9	1,3-Dichloropropane	25	23.8	95	81-113
594-20-7	2,2-Dichloropropane	25	26.0	104	77-138
124-48-1	Dibromochloromethane	25	24.2	97	74-116
75-71-8	Dichlorodifluoromethane	25	17.7	71	34-158
156-59-2	cis-1,2-Dichloroethylene	25	22.9	92	81-114
10061-01-5	cis-1,3-Dichloropropene	25	24.0	96	83-119

Blank Spike Summary

Job Number: F61632
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF813-BS	F032397.D	1	12/02/08	AJ	n/a	n/a	VF813

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61632-1, F61632-2, F61632-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	25	22.4	90	41-130
541-73-1	m-Dichlorobenzene	25	24.7	99	86-115
95-50-1	o-Dichlorobenzene	25	24.8	99	85-115
106-46-7	p-Dichlorobenzene	25	24.5	98	87-113
156-60-5	trans-1,2-Dichloroethylene	25	26.0	104	82-126
10061-02-6	trans-1,3-Dichloropropene	25	26.2	105	87-123
100-41-4	Ethylbenzene	25	24.7	99	87-118
97-63-2	Ethyl methacrylate	25	24.2	97	68-110
76-13-1	Freon 113	25	23.2	93	74-139
591-78-6	2-Hexanone	125	123	98	58-125
87-68-3	Hexachlorobutadiene	25	29.0	116	71-133
110-54-3	Hexane	25	29.2	117	71-134
98-82-8	Isopropylbenzene	25	26.6	106	87-131
99-87-6	p-Isopropyltoluene	25	26.0	104	83-125
108-10-1	4-Methyl-2-pentanone	125	129	103	62-125
126-98-7	Methacrylonitrile	250	247	99	62-133
74-83-9	Methyl bromide	25	22.9	92	55-151
74-87-3	Methyl chloride	25	22.9	92	55-173
74-88-4	Methyl iodide	25	19.9	80	72-125
80-62-6	Methyl methacrylate	25	24.8	99	63-115
74-95-3	Methylene bromide	25	24.0	96	81-116
75-09-2	Methylene chloride	25	25.2	101	69-125
78-93-3	Methyl ethyl ketone	125	109	87	61-127
1634-04-4	Methyl Tert Butyl Ether	25	23.3	93	75-116
91-20-3	Naphthalene	25	25.8	103	59-125
76-01-7	Pentachloroethane	25	24.5	98	82-111
107-12-0	Propionitrile	250	272	109	69-119
103-65-1	n-Propylbenzene	25	24.8	99	86-125
100-42-5	Styrene	25	25.9	104	78-118
630-20-6	1,1,1,2-Tetrachloroethane	25	24.7	99	81-119
71-55-6	1,1,1-Trichloroethane	25	25.6	102	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	25.0	100	71-120
79-00-5	1,1,2-Trichloroethane	25	24.1	96	80-114
87-61-6	1,2,3-Trichlorobenzene	25	25.0	100	64-126
96-18-4	1,2,3-Trichloropropane	25	22.5	90	77-115
120-82-1	1,2,4-Trichlorobenzene	25	25.3	101	68-123

Blank Spike Summary

Job Number: F61632
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF813-BS	F032397.D	1	12/02/08	AJ	n/a	n/a	VF813

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61632-1, F61632-2, F61632-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	25	25.1	100	82-120
108-67-8	1,3,5-Trimethylbenzene	25	25.2	101	83-123
127-18-4	Tetrachloroethylene	25	24.1	96	80-131
108-88-3	Toluene	25	24.5	98	86-116
79-01-6	Trichloroethylene	25	23.2	93	85-124
75-69-4	Trichlorofluoromethane	25	17.3	69	66-156
110-57-6	Trans-1,4-Dichloro-2-Butene	25	25.1	100	51-137
75-01-4	Vinyl chloride	25	23.8	95	57-153
108-05-4	Vinyl Acetate	125	144	115	38-159
	m,p-Xylene	50	50.5	101	86-121
95-47-6	o-Xylene	25	25.4	102	83-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	106%	76-127%
2037-26-5	Toluene-D8	101%	86-112%
460-00-4	4-Bromofluorobenzene	97%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61632
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61609-4MS	F032409.D	1	12/02/08	AJ	n/a	n/a	VF813
F61609-4MSD	F032410.D	1	12/02/08	AJ	n/a	n/a	VF813
F61609-4	F032411.D	1	12/02/08	AJ	n/a	n/a	VF813

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61632-1, F61632-2, F61632-3

CAS No.	Compound	F61609-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25 U		125	62.8	50*	70.5	56*	12	59-134/14
75-05-8	Acetonitrile	20 U		250	190	76	223	89	16*	57-123/15
107-02-8	Acrolein	20 U		125	17.9	14*	18.5	15*	3	33-157/21
107-13-1	Acrylonitrile	10 U		125	143	114	157	126*	9	62-124/13
107-05-1	Allyl chloride	10 U		25	17.5	70	16.6	66	5	48-136/13
71-43-2	Benzene	1.0 U		25	22.8	91	20.9	84	9	83-124/11
100-44-7	Benzyl Chloride	2.0 U		25	20.0	80	19.5	78	3	61-118/12
108-86-1	Bromobenzene	1.0 U		25	22.1	88	20.3	81*	8	83-115/10
74-97-5	Bromochloromethane	1.0 U		25	18.8	75*	17.7	71*	6	78-112/10
75-27-4	Bromodichloromethane	0.59	I	25	22.5	88	20.7	80	8	76-116/10
75-25-2	Bromoform	1.0 U		25	21.9	88	21.3	85	3	68-128/11
104-51-8	n-Butylbenzene	1.0 U		25	23.1	92	21.2	85	9	84-124/10
135-98-8	sec-Butylbenzene	1.0 U		25	23.7	95	21.8	87	8	86-127/10
98-06-6	tert-Butylbenzene	1.0 U		25	23.9	96	21.8	87	9	83-126/10
108-90-7	Chlorobenzene	1.0 U		25	22.7	91	20.6	82*	10*	87-115/9
75-00-3	Chloroethane	2.0 U		25	22.7	91	21.9	88	4	54-166/20
67-66-3	Chloroform	4.5		25	27.6	92	25.9	86	6	85-123/10
544-10-5	1-Chlorohexane	2.0 U		25	22.5	90	21.5	86*	5	87-128/10
95-49-8	o-Chlorotoluene	1.0 U		25	22.8	91	20.8	83*	9	84-121/10
106-43-4	p-Chlorotoluene	1.0 U		25	22.9	92	20.6	82*	11*	84-120/10
110-75-8	2-Chloroethyl vinyl ether	5.0 U		125	ND	0*	ND	0*	nc	63-125/24
75-15-0	Carbon disulfide	2.0 U		25	17.7	71	16.9	68	5	67-147/12
56-23-5	Carbon tetrachloride	1.0 U		25	22.6	90	22.0	88	3	74-139/13
75-34-3	1,1-Dichloroethane	1.0 U		25	23.3	93	21.9	88	6	82-127/10
75-35-4	1,1-Dichloroethylene	4.1		25	25.1	84	23.9	79	5	75-133/13
563-58-6	1,1-Dichloropropene	1.0 U		25	22.0	88	20.4	82*	8	87-127/10
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U		25	22.9	92	23.8	95	4	61-118/15
106-93-4	1,2-Dibromoethane	1.0 U		25	20.7	83	20.4	82	1	80-115/10
107-06-2	1,2-Dichloroethane	1.0 U		25	22.2	89	20.9	84	6	76-122/11
78-87-5	1,2-Dichloropropane	1.0 U		25	22.0	88	20.4	82	8	81-120/11
142-28-9	1,3-Dichloropropane	1.0 U		25	21.1	84	20.2	81	4	81-113/11
594-20-7	2,2-Dichloropropane	1.0 U		25	22.5	90	21.2	85	6	77-138/12
124-48-1	Dibromochloromethane	1.0 U		25	22.0	88	20.7	83	6	74-116/11
75-71-8	Dichlorodifluoromethane	2.0 U		25	15.3	61	15.9	64	4	34-158/22
156-59-2	cis-1,2-Dichloroethylene	1.0 U		25	20.0	80*	19.0	76*	5	81-114/10
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	21.1	84	20.0	80*	5	83-119/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61632
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61609-4MS	F032409.D	1	12/02/08	AJ	n/a	n/a	VF813
F61609-4MSD	F032410.D	1	12/02/08	AJ	n/a	n/a	VF813
F61609-4	F032411.D	1	12/02/08	AJ	n/a	n/a	VF813

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61632-1, F61632-2, F61632-3

CAS No.	Compound	F61609-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	10	U	25	19.9	80	19.9	80	0	41-130/33
541-73-1	m-Dichlorobenzene	1.0	U	25	22.4	90	20.5	82*	9	86-115/9
95-50-1	o-Dichlorobenzene	1.0	U	25	22.9	92	20.9	84*	9	85-115/9
106-46-7	p-Dichlorobenzene	1.0	U	25	22.6	90	20.4	82*	10	87-113/10
156-60-5	trans-1,2-Dichloroethylene	1.0	U	25	23.2	93	22.1	88	5	82-126/10
10061-02-6	trans-1,3-Dichloropropene	1.0	U	25	23.4	94	22.1	88	6	87-123/10
100-41-4	Ethylbenzene	1.0	U	25	22.5	90	20.9	84*	7	87-118/10
97-63-2	Ethyl methacrylate	5.0	U	25	20.8	83	21.0	84	1	68-110/11
76-13-1	Freon 113	1.0	U	25	19.5	78	19.3	77	1	74-139/13
591-78-6	2-Hexanone	10	U	125	94.7	76	102	82	7	58-125/14
87-68-3	Hexachlorobutadiene	2.0	U	25	25.4	102	22.9	92	10	71-133/12
110-54-3	Hexane	2.0	U	25	25.8	103	26.3	105	2	71-134/11
98-82-8	Isopropylbenzene	1.0	U	25	23.6	94	22.0	88	7	87-131/10
99-87-6	p-Isopropyltoluene	1.0	U	25	23.6	94	21.5	86	9	83-125/9
108-10-1	4-Methyl-2-pentanone	5.0	U	125	113	90	118	94	4	62-125/13
126-98-7	Methacrylonitrile	20	U	250	215	86	225	90	5	62-133/17
74-83-9	Methyl bromide	2.0	U	25	22.8	91	20.8	83	9	55-151/21
74-87-3	Methyl chloride	2.0	U	25	19.1	76	17.9	72	6	55-173/22
74-88-4	Methyl iodide	5.0	U	25	16.9	68*	16.2	65*	4	72-125/11
80-62-6	Methyl methacrylate	5.0	U	25	20.5	82	22.1	88	8	63-115/10
74-95-3	Methylene bromide	2.0	U	25	22.1	88	20.9	84	6	81-116/10
75-09-2	Methylene chloride	5.0	U	25	22.9	92	21.5	86	6	69-125/11
78-93-3	Methyl ethyl ketone	22.7		125	99.4	61	108	68	8	61-127/13
1634-04-4	Methyl Tert Butyl Ether	1.0	U	25	18.9	76	19.2	77	2	75-116/10
91-20-3	Naphthalene	5.0	U	25	22.5	90	22.2	89	1	59-125/15
76-01-7	Pentachloroethane	10	U	25	23.2	93	21.3	85	9*	82-111/8
107-12-0	Propionitrile	20	U	250	228	91	249	100	9	69-119/12
103-65-1	n-Propylbenzene	1.0	U	25	23.1	92	21.1	84*	9	86-125/10
100-42-5	Styrene	1.0	U	25	23.3	93	21.1	84	10	78-118/11
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	25	22.3	89	20.5	82	8	81-119/10
71-55-6	1,1,1-Trichloroethane	1.0	U	25	22.8	91	21.9	88	4	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	25	22.4	90	22.5	90	0	71-120/11
79-00-5	1,1,2-Trichloroethane	1.0	U	25	22.1	88	21.1	84	5	80-114/11
87-61-6	1,2,3-Trichlorobenzene	1.0	U	25	22.4	90	20.5	82	9	64-126/16
96-18-4	1,2,3-Trichloropropane	2.0	U	25	20.1	80	20.4	82	1	77-115/12
120-82-1	1,2,4-Trichlorobenzene	1.0	U	25	22.6	90	20.7	83	9	68-123/11

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61632
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61609-4MS	F032409.D	1	12/02/08	AJ	n/a	n/a	VF813
F61609-4MSD	F032410.D	1	12/02/08	AJ	n/a	n/a	VF813
F61609-4	F032411.D	1	12/02/08	AJ	n/a	n/a	VF813

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61632-1, F61632-2, F61632-3

CAS No.	Compound	F61609-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	2.0 U		25	23.2	93	21.1	84	9	82-120/10
108-67-8	1,3,5-Trimethylbenzene	2.0 U		25	23.3	93	21.2	85	9	83-123/10
127-18-4	Tetrachloroethylene	1.0 U		25	21.9	88	20.4	82	7	80-131/12
108-88-3	Toluene	1.0 U		25	22.5	90	20.8	83*	8	86-116/10
79-01-6	Trichloroethylene	1.0 U		25	21.6	86	19.9	80*	8	85-124/10
75-69-4	Trichlorofluoromethane	2.0 U		25	24.5	98	24.1	96	2	66-156/15
110-57-6	Trans-1,4-Dichloro-2-Butene	10 U		25	22.0	88	22.6	90	3	51-137/24
75-01-4	Vinyl chloride	1.0 U		25	20.1	80	20.9	84	4	57-153/22
108-05-4	Vinyl Acetate	10 U		125	161	129	160	128	1	38-159/11
	m,p-Xylene	2.0 U		50	46.6	93	42.8	86	9	86-121/10
95-47-6	o-Xylene	1.0 U		25	23.1	92	21.0	84	10	83-121/10

CAS No.	Surrogate Recoveries	MS	MSD	F61609-4	Limits
1868-53-7	Dibromofluoromethane	102%	103%	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	106%	106%	105%	76-127%
2037-26-5	Toluene-D8	100%	99%	102%	86-112%
460-00-4	4-Bromofluorobenzene	98%	98%	101%	84-120%

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61632
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV1892-MB	UV032935.D	1	12/01/08	AH	n/a	n/a	GUV1892

The QC reported here applies to the following samples: **Method:** SW846 8015

F61632-1, F61632-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	76%	57-129%
98-08-8	aaa-Trifluorotoluene	78%	58-120%

Blank Spike Summary

Job Number: F61632
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV1892-BS	UV032934.D	1	12/01/08	AH	n/a	n/a	GUV1892

The QC reported here applies to the following samples: **Method:** SW846 8015

F61632-1, F61632-2

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	0.4	0.327	82	75-129

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	91%	57-129%
98-08-8	aaa-Trifluorotoluene	85%	58-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61632
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61683-2MS	UV032951.D	10	12/01/08	AH	n/a	n/a	GUV1892
F61683-2MSD	UV032952.D	10	12/01/08	AH	n/a	n/a	GUV1892
F61683-2	UV032948.D	10	12/01/08	AH	n/a	n/a	GUV1892

The QC reported here applies to the following samples: **Method:** SW846 8015

F61632-1, F61632-2

CAS No.	Compound	F61683-2 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	1.63		4	3.79	54*	3.80	54*	0	75-129/13

CAS No.	Surrogate Recoveries	MS	MSD	F61683-2	Limits
460-00-4	4-Bromofluorobenzene	87%	84%	79%	57-129%
98-08-8	aaa-Trifluorotoluene	80%	83%	74%	58-120%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61632
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27225-MB	LL24101.D	1	11/25/08	ME	11/21/08	OP27225	GLL903

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61632-1, F61632-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.25	0.10	mg/l	
	TPH (> C22-C36)	ND	0.25	0.10	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	94%	42-114%

Method Blank Summary

Job Number: F61632
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27225-MB	LL24116.D	1	11/26/08	ME	11/21/08	OP27225	GLL904

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61632-1, F61632-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.25	0.10	mg/l	
	TPH (> C22-C36)	ND	0.25	0.10	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	95%	42-114%

Blank Spike Summary

Job Number: F61632
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27225-BS	LL24100.D	1	11/25/08	ME	11/21/08	OP27225	GLL903

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61632-1, F61632-2

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH (C10-C22)	1	0.991	99	60-140
	TPH (> C22-C36)	1	1.08	108	60-140

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	97%	42-114%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61632
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27225-MS	LL24106.D	1	11/26/08	ME	11/21/08	OP27225	GLL903
OP27225-MSD	LL24107.D	1	11/26/08	ME	11/21/08	OP27225	GLL903
F61632-1	LL24105.D	1	11/26/08	ME	11/21/08	OP27225	GLL903

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61632-1, F61632-2

CAS No.	Compound	F61632-1 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		1.92	1.88	98	1.93	100	3	60-140/30
	TPH (> C22-C36)	ND		1.92	1.99	103	2.08	108	4	60-140/30

CAS No.	Surrogate Recoveries	MS	MSD	F61632-1	Limits
84-15-1	o-Terphenyl	97%	101%	97%	42-114%

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: F61632
Account: NWIDIF - North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Solids, Total Dissolved	GN32906	100	<100	mg/l				

Associated Samples:
Batch GN32906: F61632-1, F61632-2
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: F61632
Account: NWIDIF - North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Solids, Total Dissolved	GN32906	F61631-1	mg/l	20000	21000	4.9	0-5%

Associated Samples:
Batch GN32906: F61632-1, F61632-2
(*) Outside of QC limits

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/15/08

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F61633

Sampling Date: 11/17/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **58**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Sections: 1 2 3 4 5 6 7 8

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F61633-1: SS61-MW13 7
3.2: F61633-2: SS61-TMW63 13
3.3: F61633-3: TRIP BLANK 18
Section 4: Misc. Forms **21**
4.1: Certification Exceptions 22
4.2: Chain of Custody 23
Section 5: GC/MS Volatiles - QC Data Summaries **25**
5.1: Method Blank Summary 26
5.2: Blank Spike Summary 32
5.3: Matrix Spike/Matrix Spike Duplicate Summary 38
Section 6: GC Volatiles - QC Data Summaries **44**
6.1: Method Blank Summary 45
6.2: Blank Spike Summary 47
6.3: Matrix Spike/Matrix Spike Duplicate Summary 49
Section 7: GC Semi-volatiles - QC Data Summaries **51**
7.1: Method Blank Summary 52
7.2: Blank Spike Summary 54
7.3: Matrix Spike/Matrix Spike Duplicate Summary 55
Section 8: General Chemistry - QC Data Summaries **56**
8.1: Method Blank and Spike Results Summary 57
8.2: Duplicate Results Summary 58

Sample Summary

North Wind, Inc

Job No: F61633

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F61633-1	11/17/08	13:45	DM	11/19/08	AQ	Ground Water	SS61-MW13
F61633-2	11/17/08	15:50	DM	11/19/08	AQ	Ground Water	SS61-TMW63
F61633-3	11/17/08	00:00	DM	11/19/08	AQ	Trip Blank Water	TRIP BLANK

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F61633

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/9/2008 4:57:57 PM

2 Samples, 1 Trip Blank were collected on 11/17/2008 and received at Accutest on 11/19/2008 properly preserved, at 1.6 Deg. C and intact. These Samples received an Accutest job number of F61633. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VF810

All samples were analyzed within the recommended method holding time.

Sample(s) F61598-2MS, F61598-2MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for Acetone, Methyl ethyl ketone are outside control limits. Biased high, not detected in the samples.

MS/MSD Recovery(s) for 2-Chloroethyl vinyl ether are outside control limits due to preservation.

RPD(s) for MSD for 1,1-Dichloroethylene, Trichlorofluoromethane are outside control limits for sample F61598-2MSD. Probable cause due to sample homogeneity.

Matrix: AQ **Batch ID:** VF811

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61594-40MS, F61594-40MSD were used as the QC samples indicated.

Blank Spike Recovery(s) for Acetone, Methyl bromide, Methyl ethyl ketone are outside control limits. Biased high.

Matrix Spike Recovery(s) for 2-Chloroethyl vinyl ether, Methyl bromide are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 2-Chloroethyl vinyl ether are outside control limits. Probable cause due to matrix interference. See Blank Spike for method performance in clean matrix.

Volatiles by GC By Method SW846 8015

Matrix: AQ **Batch ID:** GUV1892

All method blanks for this batch meet method specific criteria.

Sample(s) F61683-2MS, F61683-2MSD were used as the QC samples indicated.

Matrix Spike Recovery(s) for TPH-GRO (C6-C10) are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for TPH-GRO (C6-C10) are outside control limits. Probable cause due to matrix interference.

F61633-2: Confirmation run.

Matrix: AQ **Batch ID:** GUV1897

All method blanks for this batch meet method specific criteria.

The following samples were run outside of holding time for method SW846 8015: F61633-2 Sample re-analyzed beyond hold time; reported results are considered minimum values.

Extractables by GC By Method SW846 8015 M

Matrix: AQ **Batch ID:** OP27225

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F61632-1MS, F61632-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

F61633-2 for TPH (C10-C22): Petroleum hydrocarbon pattern begins before C10.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN32906

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61631-1DUP were used as the QC samples for Solids, Total Dissolved.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____

Svetlana Izosimova, QAO (signature on file)

Date: December 09, 2008

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-MW13		
Lab Sample ID:	F61633-1	**Date Sampled:**	11/17/08
Matrix:	AQ - Ground Water	**Date Received:**	11/19/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F032349.D	1	11/29/08	JG	n/a	n/a	VF811
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW13		
Lab Sample ID:	F61633-1	**Date Sampled:**	11/17/08
Matrix:	AQ - Ground Water	**Date Received:**	11/19/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW13		
Lab Sample ID:	F61633-1	**Date Sampled:**	11/17/08
Matrix:	AQ - Ground Water	**Date Received:**	11/19/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	ND	2.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		87-116%
17060-07-0	1,2-Dichloroethane-D4	106%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	104%		84-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW13		
Lab Sample ID:	F61633-1	**Date Sampled:**	11/17/08
Matrix:	AQ - Ground Water	**Date Received:**	11/19/08
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV032943.D	1	12/01/08	AH	n/a	n/a	GUV1892
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	79%		57-129%
98-08-8	aaa-Trifluorotoluene	73%		58-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW13		
Lab Sample ID:	F61633-1	**Date Sampled:**	11/17/08
Matrix:	AQ - Ground Water	**Date Received:**	11/19/08
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24102.D	1	11/26/08	ME	11/21/08	OP27225	GLL903
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.24	0.096	mg/l	
	TPH (> C22-C36)	ND	0.24	0.096	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	101%		42-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW13		
Lab Sample ID:	F61633-1	**Date Sampled:**	11/17/08
Matrix:	AQ - Ground Water	**Date Received:**	11/19/08
		Percent Solids:	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	3390	100	10	mg/l	1	11/20/08 14:30	LE	SM19 2540C

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-TMW63		
Lab Sample ID:	F61633-2	**Date Sampled:**	11/17/08
Matrix:	AQ - Ground Water	**Date Received:**	11/19/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F032327.D	5	11/28/08	AJ	n/a	n/a	VF810
Run #2	F032355.D	50	11/29/08	JG	n/a	n/a	VF811

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	130	50	ug/l	
75-05-8	Acetonitrile	ND	100	25	ug/l	
107-02-8	Acrolein	ND	100	25	ug/l	
107-13-1	Acrylonitrile	ND	50	10	ug/l	
107-05-1	Allyl chloride	ND	50	10	ug/l	
71-43-2	Benzene	4300 [a]	50	20	ug/l	
100-44-7	Benzyl Chloride	ND	10	1.8	ug/l	
108-86-1	Bromobenzene	ND	5.0	1.3	ug/l	
74-97-5	Bromochloromethane	ND	5.0	1.2	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	1.0	ug/l	
75-25-2	Bromoform	ND	5.0	1.7	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	1.4	ug/l	
135-98-8	sec-Butylbenzene	6.3	5.0	1.3	ug/l	
98-06-6	tert-Butylbenzene	5.6	5.0	1.6	ug/l	
108-90-7	Chlorobenzene	ND	5.0	1.1	ug/l	
75-00-3	Chloroethane	ND	10	2.4	ug/l	
67-66-3	Chloroform	ND	5.0	1.4	ug/l	
544-10-5	1-Chlorohexane	ND	10	1.4	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	1.3	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	1.1	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	25	5.0	ug/l	
75-15-0	Carbon disulfide	ND	10	2.0	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	1.1	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	1.2	ug/l	
75-35-4	1,1-Dichloroethylene	ND	5.0	2.7	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.6	ug/l	
106-93-4	1,2-Dibromoethane	ND	5.0	1.4	ug/l	
107-06-2	1,2-Dichloroethane	8.1	5.0	1.7	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	1.1	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	1.3	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.4	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW63		
Lab Sample ID:	F61633-2	**Date Sampled:**	11/17/08
Matrix:	AQ - Ground Water	**Date Received:**	11/19/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	5.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.1	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	50	5.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	5.0	1.2	ug/l	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	5.0	1.1	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	2.3	ug/l	
10061-02-6	trans-1,3-Dichloropropene	21.8 [a]	50	11	ug/l	J
100-41-4	Ethylbenzene	741 [a]	50	22	ug/l	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/l	
76-13-1	Freon 113	ND	5.0	1.7	ug/l	
591-78-6	2-Hexanone	ND	50	25	ug/l	
87-68-3	Hexachlorobutadiene	ND	10	3.5	ug/l	
110-54-3	Hexane	ND	10	2.5	ug/l	
98-82-8	Isopropylbenzene	1130 [a]	50	10	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	1.6	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	25	10	ug/l	
126-98-7	Methacrylonitrile	ND	100	25	ug/l	
74-83-9	Methyl bromide	ND	10	3.9	ug/l	
74-87-3	Methyl chloride	ND	10	3.1	ug/l	
74-88-4	Methyl iodide	ND	25	5.0	ug/l	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/l	
74-95-3	Methylene bromide	ND	10	1.5	ug/l	
75-09-2	Methylene chloride	ND	25	5.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	25	10	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.3	ug/l	
91-20-3	Naphthalene	282 [a]	250	50	ug/l	
76-01-7	Pentachloroethane	ND	50	10	ug/l	
107-12-0	Propionitrile	ND	100	50	ug/l	
103-65-1	n-Propylbenzene	36.5	5.0	1.3	ug/l	
100-42-5	Styrene	ND	5.0	1.8	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.7	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.1	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.3	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.5	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	10	1.7	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.5	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW63		
Lab Sample ID:	F61633-2	**Date Sampled:**	11/17/08
Matrix:	AQ - Ground Water	**Date Received:**	11/19/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	19.7	10	1.1	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	10	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	1.1	ug/l	
108-88-3	Toluene	11.2	5.0	1.8	ug/l	
79-01-6	Trichloroethylene	12.2	5.0	1.6	ug/l	
75-69-4	Trichlorofluoromethane	ND	10	2.5	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	50	10	ug/l	
75-01-4	Vinyl chloride	ND	5.0	1.5	ug/l	
108-05-4	Vinyl Acetate	ND	50	18	ug/l	
	m,p-Xylene	65.8	10	3.9	ug/l	
95-47-6	o-Xylene	13.9	5.0	1.9	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	108%	102%	76-127%
2037-26-5	Toluene-D8	100%	97%	86-112%
460-00-4	4-Bromofluorobenzene	104%	102%	84-120%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW63		
Lab Sample ID:	F61633-2	**Date Sampled:**	11/17/08
Matrix:	AQ - Ground Water	**Date Received:**	11/19/08
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	UV033041.D	20	12/05/08	AH	n/a	n/a	GUV1897
Run #2 [b]	UV032946.D	10	12/01/08	AH	n/a	n/a	GUV1892

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	13.2	2.0	1.0	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	103%	84%	57-129%
98-08-8	aaa-Trifluorotoluene	99%	81%	58-120%

(a) Sample re-analyzed beyond hold time; reported results are considered minimum values.
(b) Confirmation run.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW63		
Lab Sample ID:	F61633-2	**Date Sampled:**	11/17/08
Matrix:	AQ - Ground Water	**Date Received:**	11/19/08
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24117.D	1	11/26/08	ME	11/21/08	OP27225	GLL904
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22) [a]	0.766	0.24	0.096	mg/l	
	TPH (> C22-C36)	0.115	0.24	0.096	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	93%		42-114%

(a) Petroleum hydrocarbon pattern begins before C10.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61633-3	**Date Sampled:**	11/17/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	11/19/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F032321.D	1	11/28/08	AJ	n/a	n/a	VF810
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61633-3	**Date Sampled:**	11/17/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	11/19/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61633-3	**Date Sampled:**	11/17/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	11/19/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	ND	2.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		87-116%
17060-07-0	1,2-Dichloroethane-D4	111%		76-127%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	100%		84-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

Parameter Certification Exceptions

Job Number: F61633
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

The following parameters included in this report are exceptions to NELAC certification.
The certification status of each is indicated below.

Parameter	CAS#	Method	Mat	Certification Status
Freon 113	76-13-1	**SW846 8260B**	AQ	Certified by SOP MS005

F61633

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

Page 1 of 1

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number [1]: 11-18-2008-01

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Dusty McNeil

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Sample Analysis Requested [5]: Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)					Quality Assurance Samples [6]: Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
1	SS61-MW13	SS61-MW13	17-Nov-2008	1345	-	N	01	WG	9	X	X	X	X								1
2	SS61-TMW63	SS61-TMW63	17-Nov-2008	1550	-	N	01	WG	6	X	X	X									1
3	Trip Blank				-	TB		WQ	2	X											1
					-																
					-																
					-																
					-																
					-																
					-																
					-																
					-																

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1.	[signature]	11/18/08	1400	[signature]		
2.				[signature]	11/19/08	9:30
3.						

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: _____ Shipped No.: _____

Method of Shipment: _____ Airbill Number: _____

Analytical Lab: Accutest Laboratories Delivery Location: _____

Lab Recipient: _____ Delivery Date/Time: _____

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

1 1

4.2 4

F61633: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61633 CLIENT: BHATE PROJECT: SS-61

DATE/TIME RECEIVED: 11/19/08 9:30 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 1.6

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8051 5824 0571

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [X] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ?

NUMBER OF 5035 FIELD KITS ?

NUMBER OF LAB FILTERED METALS ?

SUMMARY OF COMMENTS: Sample #2 only received 2 vial (VOC) (GRO)

TECHNICIAN SIGNATURE/DATE 11/19/08 TECHNICIAN SIGNATURE/DATE 11-19-08

ASBD 12/17/07

4.2 4

F61633: Chain of Custody

Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61633
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF810-MB	F032304.D	1	11/28/08	AJ	n/a	n/a	VF810

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61633-2, F61633-3

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

Method Blank Summary

Job Number: F61633
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF810-MB	F032304.D	1	11/28/08	AJ	n/a	n/a	VF810

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61633-2, F61633-3

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

Method Blank Summary

Job Number: F61633
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF810-MB	F032304.D	1	11/28/08	AJ	n/a	n/a	VF810

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61633-2, F61633-3

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	ND	2.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	105%	76-127%
2037-26-5	Toluene-D8	99%	86-112%
460-00-4	4-Bromofluorobenzene	100%	84-120%

Method Blank Summary

Job Number: F61633
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF811-MB	F032334.D	1	11/29/08	JG	n/a	n/a	VF811

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61633-1, F61633-2

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

Method Blank Summary

Job Number: F61633
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF811-MB	F032334.D	1	11/29/08	JG	n/a	n/a	VF811

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61633-1, F61633-2

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

Method Blank Summary

Job Number: F61633
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF811-MB	F032334.D	1	11/29/08	JG	n/a	n/a	VF811

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61633-1, F61633-2

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	ND	2.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	104%	76-127%
2037-26-5	Toluene-D8	98%	86-112%
460-00-4	4-Bromofluorobenzene	103%	84-120%

Blank Spike Summary

Job Number: F61633
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF810-BS	F032303.D	1	11/28/08	AJ	n/a	n/a	VF810

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61633-2, F61633-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	198	158*	59-134
75-05-8	Acetonitrile	250	268	107	57-123
107-02-8	Acrolein	125	45.6	36	33-157
107-13-1	Acrylonitrile	125	126	101	62-124
107-05-1	Allyl chloride	25	22.7	91	48-136
71-43-2	Benzene	25	28.4	114	83-124
100-44-7	Benzyl Chloride	25	20.3	81	61-118
108-86-1	Bromobenzene	25	23.0	92	83-115
74-97-5	Bromochloromethane	25	21.4	86	78-112
75-27-4	Bromodichloromethane	25	22.9	92	76-116
75-25-2	Bromoform	25	23.4	94	68-128
104-51-8	n-Butylbenzene	25	25.1	100	84-124
135-98-8	sec-Butylbenzene	25	25.3	101	86-127
98-06-6	tert-Butylbenzene	25	25.0	100	83-126
108-90-7	Chlorobenzene	25	24.5	98	87-115
75-00-3	Chloroethane	25	31.1	124	54-166
67-66-3	Chloroform	25	26.8	107	85-123
544-10-5	1-Chlorohexane	25	25.1	100	87-128
95-49-8	o-Chlorotoluene	25	24.3	97	84-121
106-43-4	p-Chlorotoluene	25	24.2	97	84-120
110-75-8	2-Chloroethyl vinyl ether	125	133	106	63-125
75-15-0	Carbon disulfide	25	21.6	86	67-147
56-23-5	Carbon tetrachloride	25	25.7	103	74-139
75-34-3	1,1-Dichloroethane	25	27.0	108	82-127
75-35-4	1,1-Dichloroethylene	25	22.8	91	75-133
563-58-6	1,1-Dichloropropene	25	24.5	98	87-127
96-12-8	1,2-Dibromo-3-chloropropane	25	24.7	99	61-118
106-93-4	1,2-Dibromoethane	25	22.8	91	80-115
107-06-2	1,2-Dichloroethane	25	24.5	98	76-122
78-87-5	1,2-Dichloropropane	25	24.8	99	81-120
142-28-9	1,3-Dichloropropane	25	23.5	94	81-113
594-20-7	2,2-Dichloropropane	25	26.6	106	77-138
124-48-1	Dibromochloromethane	25	23.1	92	74-116
75-71-8	Dichlorodifluoromethane	25	34.9	140	34-158
156-59-2	cis-1,2-Dichloroethylene	25	24.1	96	81-114
10061-01-5	cis-1,3-Dichloropropene	25	24.1	96	83-119

Blank Spike Summary

Job Number: F61633
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF810-BS	F032303.D	1	11/28/08	AJ	n/a	n/a	VF810

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61633-2, F61633-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	25	23.4	94	41-130
541-73-1	m-Dichlorobenzene	25	23.9	96	86-115
95-50-1	o-Dichlorobenzene	25	24.5	98	85-115
106-46-7	p-Dichlorobenzene	25	24.3	97	87-113
156-60-5	trans-1,2-Dichloroethylene	25	25.7	103	82-126
10061-02-6	trans-1,3-Dichloropropene	25	25.6	102	87-123
100-41-4	Ethylbenzene	25	25.0	100	87-118
97-63-2	Ethyl methacrylate	25	22.9	92	68-110
76-13-1	Freon 113	25	21.6	86	74-139
591-78-6	2-Hexanone	125	152	122	58-125
87-68-3	Hexachlorobutadiene	25	25.5	102	71-133
110-54-3	Hexane	25	28.1	112	71-134
98-82-8	Isopropylbenzene	25	25.8	103	87-131
99-87-6	p-Isopropyltoluene	25	24.6	98	83-125
108-10-1	4-Methyl-2-pentanone	125	126	101	62-125
126-98-7	Methacrylonitrile	250	258	103	62-133
74-83-9	Methyl bromide	25	35.2	141	55-151
74-87-3	Methyl chloride	25	32.6	130	55-173
74-88-4	Methyl iodide	25	20.6	82	72-125
80-62-6	Methyl methacrylate	25	23.6	94	63-115
74-95-3	Methylene bromide	25	23.6	94	81-116
75-09-2	Methylene chloride	25	27.8	111	69-125
78-93-3	Methyl ethyl ketone	125	184	147*	61-127
1634-04-4	Methyl Tert Butyl Ether	25	23.3	93	75-116
91-20-3	Naphthalene	25	24.0	96	59-125
76-01-7	Pentachloroethane	25	24.2	97	82-111
107-12-0	Propionitrile	250	256	102	69-119
103-65-1	n-Propylbenzene	25	24.6	98	86-125
100-42-5	Styrene	25	23.2	93	78-118
630-20-6	1,1,1,2-Tetrachloroethane	25	23.9	96	81-119
71-55-6	1,1,1-Trichloroethane	25	26.5	106	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	24.8	99	71-120
79-00-5	1,1,2-Trichloroethane	25	23.9	96	80-114
87-61-6	1,2,3-Trichlorobenzene	25	24.7	99	64-126
96-18-4	1,2,3-Trichloropropane	25	20.9	84	77-115
120-82-1	1,2,4-Trichlorobenzene	25	24.6	98	68-123

Blank Spike Summary

Job Number: F61633
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF810-BS	F032303.D	1	11/28/08	AJ	n/a	n/a	VF810

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61633-2, F61633-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	25	23.9	96	82-120
108-67-8	1,3,5-Trimethylbenzene	25	24.0	96	83-123
127-18-4	Tetrachloroethylene	25	24.2	97	80-131
108-88-3	Toluene	25	24.7	99	86-116
79-01-6	Trichloroethylene	25	24.8	99	85-124
75-69-4	Trichlorofluoromethane	25	28.7	115	66-156
110-57-6	Trans-1,4-Dichloro-2-Butene	25	24.6	98	51-137
75-01-4	Vinyl chloride	25	29.9	120	57-153
108-05-4	Vinyl Acetate	125	140	112	38-159
	m,p-Xylene	50	50.2	100	86-121
95-47-6	o-Xylene	25	24.6	98	83-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	106%	76-127%
2037-26-5	Toluene-D8	99%	86-112%
460-00-4	4-Bromofluorobenzene	97%	84-120%

Blank Spike Summary

Job Number: F61633
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF811-BS	F032333.D	1	11/29/08	JG	n/a	n/a	VF811

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61633-1, F61633-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	180	144*	59-134
75-05-8	Acetonitrile	250	270	108	57-123
107-02-8	Acrolein	125	105	84	33-157
107-13-1	Acrylonitrile	125	142	114	62-124
107-05-1	Allyl chloride	25	27.7	111	48-136
71-43-2	Benzene	25	28.8	115	83-124
100-44-7	Benzyl Chloride	25	19.1	76	61-118
108-86-1	Bromobenzene	25	23.2	93	83-115
74-97-5	Bromochloromethane	25	21.8	87	78-112
75-27-4	Bromodichloromethane	25	23.4	94	76-116
75-25-2	Bromoform	25	22.3	89	68-128
104-51-8	n-Butylbenzene	25	25.1	100	84-124
135-98-8	sec-Butylbenzene	25	25.4	102	86-127
98-06-6	tert-Butylbenzene	25	25.2	101	83-126
108-90-7	Chlorobenzene	25	24.4	98	87-115
75-00-3	Chloroethane	25	35.0	140	54-166
67-66-3	Chloroform	25	27.5	110	85-123
544-10-5	1-Chlorohexane	25	25.1	100	87-128
95-49-8	o-Chlorotoluene	25	24.9	100	84-121
106-43-4	p-Chlorotoluene	25	24.6	98	84-120
110-75-8	2-Chloroethyl vinyl ether	125	128	102	63-125
75-15-0	Carbon disulfide	25	20.8	83	67-147
56-23-5	Carbon tetrachloride	25	27.0	108	74-139
75-34-3	1,1-Dichloroethane	25	27.7	111	82-127
75-35-4	1,1-Dichloroethylene	25	23.9	96	75-133
563-58-6	1,1-Dichloropropene	25	25.1	100	87-127
96-12-8	1,2-Dibromo-3-chloropropane	25	19.9	80	61-118
106-93-4	1,2-Dibromoethane	25	21.8	87	80-115
107-06-2	1,2-Dichloroethane	25	24.8	99	76-122
78-87-5	1,2-Dichloropropane	25	25.1	100	81-120
142-28-9	1,3-Dichloropropane	25	22.9	92	81-113
594-20-7	2,2-Dichloropropane	25	27.8	111	77-138
124-48-1	Dibromochloromethane	25	22.7	91	74-116
75-71-8	Dichlorodifluoromethane	25	36.3	145	34-158
156-59-2	cis-1,2-Dichloroethylene	25	24.4	98	81-114
10061-01-5	cis-1,3-Dichloropropene	25	24.8	99	83-119

Blank Spike Summary

Job Number: F61633
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF811-BS	F032333.D	1	11/29/08	JG	n/a	n/a	VF811

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61633-1, F61633-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	25	21.4	86	41-130
541-73-1	m-Dichlorobenzene	25	24.0	96	86-115
95-50-1	o-Dichlorobenzene	25	23.8	95	85-115
106-46-7	p-Dichlorobenzene	25	24.3	97	87-113
156-60-5	trans-1,2-Dichloroethylene	25	26.0	104	82-126
10061-02-6	trans-1,3-Dichloropropene	25	24.9	100	87-123
100-41-4	Ethylbenzene	25	24.9	100	87-118
97-63-2	Ethyl methacrylate	25	20.8	83	68-110
76-13-1	Freon 113	25	23.5	94	74-139
591-78-6	2-Hexanone	125	131	105	58-125
87-68-3	Hexachlorobutadiene	25	24.5	98	71-133
110-54-3	Hexane	25	29.1	116	71-134
98-82-8	Isopropylbenzene	25	25.7	103	87-131
99-87-6	p-Isopropyltoluene	25	24.6	98	83-125
108-10-1	4-Methyl-2-pentanone	125	107	86	62-125
126-98-7	Methacrylonitrile	250	235	94	62-133
74-83-9	Methyl bromide	25	38.8	155*	55-151
74-87-3	Methyl chloride	25	34.4	138	55-173
74-88-4	Methyl iodide	25	20.8	83	72-125
80-62-6	Methyl methacrylate	25	21.6	86	63-115
74-95-3	Methylene bromide	25	23.6	94	81-116
75-09-2	Methylene chloride	25	27.8	111	69-125
78-93-3	Methyl ethyl ketone	125	162	130*	61-127
1634-04-4	Methyl Tert Butyl Ether	25	23.0	92	75-116
91-20-3	Naphthalene	25	20.8	83	59-125
76-01-7	Pentachloroethane	25	24.7	99	82-111
107-12-0	Propionitrile	250	229	92	69-119
103-65-1	n-Propylbenzene	25	25.1	100	86-125
100-42-5	Styrene	25	23.4	94	78-118
630-20-6	1,1,1,2-Tetrachloroethane	25	23.7	95	81-119
71-55-6	1,1,1-Trichloroethane	25	27.7	111	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	22.9	92	71-120
79-00-5	1,1,2-Trichloroethane	25	22.8	91	80-114
87-61-6	1,2,3-Trichlorobenzene	25	23.1	92	64-126
96-18-4	1,2,3-Trichloropropane	25	19.6	78	77-115
120-82-1	1,2,4-Trichlorobenzene	25	23.6	94	68-123

Blank Spike Summary

Job Number: F61633
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF811-BS	F032333.D	1	11/29/08	JG	n/a	n/a	VF811

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61633-1, F61633-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	25	24.2	97	82-120
108-67-8	1,3,5-Trimethylbenzene	25	24.3	97	83-123
127-18-4	Tetrachloroethylene	25	23.2	93	80-131
108-88-3	Toluene	25	24.1	96	86-116
79-01-6	Trichloroethylene	25	25.5	102	85-124
75-69-4	Trichlorofluoromethane	25	30.5	122	66-156
110-57-6	Trans-1,4-Dichloro-2-Butene	25	22.3	89	51-137
75-01-4	Vinyl chloride	25	33.0	132	57-153
108-05-4	Vinyl Acetate	125	155	124	38-159
	m,p-Xylene	50	50.3	101	86-121
95-47-6	o-Xylene	25	24.5	98	83-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	106%	76-127%
2037-26-5	Toluene-D8	96%	86-112%
460-00-4	4-Bromofluorobenzene	99%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61633
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61598-2MS	F032308.D	1	11/28/08	AJ	n/a	n/a	VF810
F61598-2MSD	F032309.D	1	11/28/08	AJ	n/a	n/a	VF810
F61598-2	F032307.D	1	11/28/08	AJ	n/a	n/a	VF810

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61633-2, F61633-3

CAS No.	Compound	F61598-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	142	114	146	117	3	59-134/14
75-05-8	Acetonitrile	ND		250	228	91	241	96	6	57-123/15
107-02-8	Acrolein	ND		125	41.4	33	42.3	34	2	33-157/21
107-13-1	Acrylonitrile	ND		125	152	122	152	122	0	62-124/13
107-05-1	Allyl chloride	ND		25	22.4	90	21.4	86	5	48-136/13
71-43-2	Benzene	ND		25	29.2	117	27.9	112	5	83-124/11
100-44-7	Benzyl Chloride	ND		25	20.6	82	20.8	83	1	61-118/12
108-86-1	Bromobenzene	ND		25	23.3	93	22.8	91	2	83-115/10
74-97-5	Bromochloromethane	ND		25	21.6	86	21.1	84	2	78-112/10
75-27-4	Bromodichloromethane	ND		25	23.5	94	23.0	92	2	76-116/10
75-25-2	Bromoform	ND		25	23.5	94	23.1	92	2	68-128/11
104-51-8	n-Butylbenzene	ND		25	25.5	102	24.3	97	5	84-124/10
135-98-8	sec-Butylbenzene	ND		25	25.5	102	24.1	96	6	86-127/10
98-06-6	tert-Butylbenzene	ND		25	25.3	101	24.1	96	5	83-126/10
108-90-7	Chlorobenzene	ND		25	24.8	99	24.0	96	3	87-115/9
75-00-3	Chloroethane	ND		25	29.7	119	28.0	112	6	54-166/20
67-66-3	Chloroform	ND		25	27.4	110	26.4	106	4	85-123/10
544-10-5	1-Chlorohexane	ND		25	24.9	100	23.3	93	7	87-128/10
95-49-8	o-Chlorotoluene	ND		25	24.7	99	24.1	96	2	84-121/10
106-43-4	p-Chlorotoluene	ND		25	24.6	98	23.9	96	3	84-120/10
110-75-8	2-Chloroethyl vinyl ether	ND		125	ND	0*	ND	0*	nc	63-125/24
75-15-0	Carbon disulfide	ND		25	23.2	93	21.4	86	8	67-147/12
56-23-5	Carbon tetrachloride	ND		25	26.2	105	24.1	96	8	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	27.7	111	26.5	106	4	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	28.6	114	24.1	96	17*	75-133/13
563-58-6	1,1-Dichloropropene	ND		25	24.7	99	22.9	92	8	87-127/10
96-12-8	1,2-Dibromo-3-chloropropane	ND		25	23.6	94	24.7	99	5	61-118/15
106-93-4	1,2-Dibromoethane	ND		25	22.7	91	22.8	91	0	80-115/10
107-06-2	1,2-Dichloroethane	ND		25	25.2	101	24.9	100	1	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	24.9	100	24.4	98	2	81-120/11
142-28-9	1,3-Dichloropropane	ND		25	23.7	95	23.3	93	2	81-113/11
594-20-7	2,2-Dichloropropane	ND		25	26.8	107	24.7	99	8	77-138/12
124-48-1	Dibromochloromethane	ND		25	23.1	92	22.9	92	1	74-116/11
75-71-8	Dichlorodifluoromethane	ND		25	33.6	134	30.8	123	9	34-158/22
156-59-2	cis-1,2-Dichloroethylene	ND		25	24.3	97	23.7	95	3	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	23.6	94	23.3	93	1	83-119/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61633
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61598-2MS	F032308.D	1	11/28/08	AJ	n/a	n/a	VF810
F61598-2MSD	F032309.D	1	11/28/08	AJ	n/a	n/a	VF810
F61598-2	F032307.D	1	11/28/08	AJ	n/a	n/a	VF810

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61633-2, F61633-3

CAS No.	Compound	F61598-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		25	23.4	94	23.3	93	0	41-130/33
541-73-1	m-Dichlorobenzene	ND		25	24.3	97	23.6	94	3	86-115/9
95-50-1	o-Dichlorobenzene	ND		25	24.6	98	24.2	97	2	85-115/9
106-46-7	p-Dichlorobenzene	ND		25	24.6	98	24.1	96	2	87-113/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	25.7	103	24.5	98	5	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	25.6	102	25.4	102	1	87-123/10
100-41-4	Ethylbenzene	ND		25	25.4	102	24.1	96	5	87-118/10
97-63-2	Ethyl methacrylate	ND		25	22.3	89	22.4	90	0	68-110/11
76-13-1	Freon 113	ND		25	26.2	105	23.7	95	10	74-139/13
591-78-6	2-Hexanone	ND		125	139	111	142	114	2	58-125/14
87-68-3	Hexachlorobutadiene	ND		25	24.8	99	23.8	95	4	71-133/12
110-54-3	Hexane	ND		25	28.8	115	26.3	105	9	71-134/11
98-82-8	Isopropylbenzene	ND		25	25.9	104	24.1	96	7	87-131/10
99-87-6	p-Isopropyltoluene	ND		25	24.9	100	23.6	94	5	83-125/9
108-10-1	4-Methyl-2-pentanone	ND		125	123	98	125	100	2	62-125/13
126-98-7	Methacrylonitrile	ND		250	257	103	258	103	0	62-133/17
74-83-9	Methyl bromide	ND		25	35.4	142	33.1	132	7	55-151/21
74-87-3	Methyl chloride	ND		25	31.6	126	29.4	118	7	55-173/22
74-88-4	Methyl iodide	ND		25	20.6	82	19.6	78	5	72-125/11
80-62-6	Methyl methacrylate	ND		25	22.9	92	23.5	94	3	63-115/10
74-95-3	Methylene bromide	ND		25	24.0	96	23.9	96	0	81-116/10
75-09-2	Methylene chloride	ND		25	28.1	112	27.2	109	3	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	154	123	158	126	3	61-127/13
1634-04-4	Methyl Tert Butyl Ether	ND		25	22.5	90	22.4	90	0	75-116/10
91-20-3	Naphthalene	ND		25	23.0	92	23.7	95	3	59-125/15
76-01-7	Pentachloroethane	ND		25	24.4	98	23.9	96	2	82-111/8
107-12-0	Propionitrile	ND		250	253	101	258	103	2	69-119/12
103-65-1	n-Propylbenzene	ND		25	24.8	99	24.0	96	3	86-125/10
100-42-5	Styrene	ND		25	23.5	94	22.9	92	3	78-118/11
630-20-6	1,1,1,2-Tetrachloroethane	ND		25	24.0	96	23.1	92	4	81-119/10
71-55-6	1,1,1-Trichloroethane	ND		25	26.8	107	24.9	100	7	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	24.8	99	25.1	100	1	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	24.0	96	23.5	94	2	80-114/11
87-61-6	1,2,3-Trichlorobenzene	ND		25	24.1	96	24.2	97	0	64-126/16
96-18-4	1,2,3-Trichloropropane	ND		25	21.3	85	21.3	85	0	77-115/12
120-82-1	1,2,4-Trichlorobenzene	ND		25	24.1	96	24.0	96	0	68-123/11

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61633
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61598-2MS	F032308.D	1	11/28/08	AJ	n/a	n/a	VF810
F61598-2MSD	F032309.D	1	11/28/08	AJ	n/a	n/a	VF810
F61598-2	F032307.D	1	11/28/08	AJ	n/a	n/a	VF810

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61633-2, F61633-3

CAS No.	Compound	F61598-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		25	24.3	97	23.2	93	5	82-120/10
108-67-8	1,3,5-Trimethylbenzene	ND		25	24.4	98	23.3	93	5	83-123/10
127-18-4	Tetrachloroethylene	ND		25	23.5	94	22.2	89	6	80-131/12
108-88-3	Toluene	ND		25	24.7	99	23.7	95	4	86-116/10
79-01-6	Trichloroethylene	0.61	J	25	25.6	100	24.3	95	5	85-124/10
75-69-4	Trichlorofluoromethane	ND		25	18.8	75	25.4	102	30*	66-156/15
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		25	24.5	98	25.0	100	2	51-137/24
75-01-4	Vinyl chloride	ND		25	29.0	116	27.1	108	7	57-153/22
108-05-4	Vinyl Acetate	ND		125	167	134	166	133	1	38-159/11
	m,p-Xylene	ND		50	50.6	101	48.3	97	5	86-121/10
95-47-6	o-Xylene	ND		25	24.8	99	23.6	94	5	83-121/10

CAS No.	Surrogate Recoveries	MS	MSD	F61598-2	Limits
1868-53-7	Dibromofluoromethane	105%	105%	106%	87-116%
17060-07-0	1,2-Dichloroethane-D4	108%	108%	107%	76-127%
2037-26-5	Toluene-D8	97%	97%	99%	86-112%
460-00-4	4-Bromofluorobenzene	98%	98%	102%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61633
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61594-40MS	F032344.D	1	11/29/08	JG	n/a	n/a	VF811
F61594-40MSD	F032345.D	1	11/29/08	JG	n/a	n/a	VF811
F61594-40	F032337.D	1	11/29/08	JG	n/a	n/a	VF811

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61633-1, F61633-2

CAS No.	Compound	F61594-40 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	129	103	132	106	2	59-134/14
75-05-8	Acetonitrile	ND		250	254	102	258	103	2	57-123/15
107-02-8	Acrolein	ND		125	84.7	68	80.1	64	6	33-157/21
107-13-1	Acrylonitrile	ND		125	128	102	128	102	0	62-124/13
107-05-1	Allyl chloride	ND		25	28.3	113	26.4	106	7	48-136/13
71-43-2	Benzene	ND		25	29.5	118	27.8	111	6	83-124/11
100-44-7	Benzyl Chloride	ND		25	19.4	78	18.5	74	5	61-118/12
108-86-1	Bromobenzene	ND		25	23.7	95	22.6	90	5	83-115/10
74-97-5	Bromochloromethane	ND		25	21.9	88	20.7	83	6	78-112/10
75-27-4	Bromodichloromethane	ND		25	23.7	95	22.2	89	7	76-116/10
75-25-2	Bromoform	ND		25	22.4	90	21.4	86	5	68-128/11
104-51-8	n-Butylbenzene	ND		25	25.7	103	24.3	97	6	84-124/10
135-98-8	sec-Butylbenzene	ND		25	26.2	105	24.9	100	5	86-127/10
98-06-6	tert-Butylbenzene	ND		25	25.9	104	24.5	98	6	83-126/10
108-90-7	Chlorobenzene	ND		25	25.1	100	23.3	93	7	87-115/9
75-00-3	Chloroethane	ND		25	36.0	144	32.6	130	10	54-166/20
67-66-3	Chloroform	ND		25	28.2	113	26.7	107	5	85-123/10
544-10-5	1-Chlorohexane	ND		25	24.9	100	24.5	98	2	87-128/10
95-49-8	o-Chlorotoluene	ND		25	25.4	102	23.9	96	6	84-121/10
106-43-4	p-Chlorotoluene	ND		25	25.1	100	23.8	95	5	84-120/10
110-75-8	2-Chloroethyl vinyl ether	ND		125	ND	0*	ND	0*	nc	63-125/24
75-15-0	Carbon disulfide	ND		25	23.6	94	22.5	90	5	67-147/12
56-23-5	Carbon tetrachloride	ND		25	27.4	110	26.8	107	2	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	28.3	113	26.6	106	6	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	25.5	102	26.5	106	4	75-133/13
563-58-6	1,1-Dichloropropene	ND		25	25.4	102	24.2	97	5	87-127/10
96-12-8	1,2-Dibromo-3-chloropropane	ND		25	21.1	84	20.9	84	1	61-118/15
106-93-4	1,2-Dibromoethane	ND		25	22.1	88	21.1	84	5	80-115/10
107-06-2	1,2-Dichloroethane	ND		25	25.3	101	23.9	96	6	76-122/11
78-87-5	1,2-Dichloropropane	0.48	J	25	25.8	101	24.2	95	6	81-120/11
142-28-9	1,3-Dichloropropane	ND		25	23.2	93	21.9	88	6	81-113/11
594-20-7	2,2-Dichloropropane	ND		25	27.7	111	26.0	104	6	77-138/12
124-48-1	Dibromochloromethane	ND		25	22.5	90	21.3	85	5	74-116/11
75-71-8	Dichlorodifluoromethane	ND		25	36.5	146	37.3	149	2	34-158/22
156-59-2	cis-1,2-Dichloroethylene	ND		25	24.7	99	23.6	94	5	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	24.3	97	22.6	90	7	83-119/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61633
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61594-40MS	F032344.D	1	11/29/08	JG	n/a	n/a	VF811
F61594-40MSD	F032345.D	1	11/29/08	JG	n/a	n/a	VF811
F61594-40	F032337.D	1	11/29/08	JG	n/a	n/a	VF811

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61633-1, F61633-2

CAS No.	Compound	F61594-40 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		25	21.5	86	21.2	85	1	41-130/33
541-73-1	m-Dichlorobenzene	ND		25	24.5	98	23.0	92	6	86-115/9
95-50-1	o-Dichlorobenzene	ND		25	24.5	98	22.9	92	7	85-115/9
106-46-7	p-Dichlorobenzene	ND		25	24.8	99	23.3	93	6	87-113/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	26.6	106	25.0	100	6	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	25.4	102	24.0	96	6	87-123/10
100-41-4	Ethylbenzene	ND		25	25.5	102	23.8	95	7	87-118/10
97-63-2	Ethyl methacrylate	ND		25	21.0	84	20.3	81	3	68-110/11
76-13-1	Freon 113	ND		25	27.3	109	28.1	112	3	74-139/13
591-78-6	2-Hexanone	ND		125	120	96	119	95	1	58-125/14
87-68-3	Hexachlorobutadiene	ND		25	25.0	100	23.2	93	7	71-133/12
110-54-3	Hexane	ND		25	29.3	117	29.3	117	0	71-134/11
98-82-8	Isopropylbenzene	ND		25	26.1	104	24.6	98	6	87-131/10
99-87-6	p-Isopropyltoluene	ND		25	25.4	102	24.1	96	5	83-125/9
108-10-1	4-Methyl-2-pentanone	ND		125	107	86	106	85	1	62-125/13
126-98-7	Methacrylonitrile	ND		250	243	97	238	95	2	62-133/17
74-83-9	Methyl bromide	ND		25	39.6	158*	36.4	146	8	55-151/21
74-87-3	Methyl chloride	ND		25	34.3	137	32.2	129	6	55-173/22
74-88-4	Methyl iodide	ND		25	20.3	81	19.3	77	5	72-125/11
80-62-6	Methyl methacrylate	ND		25	22.0	88	21.3	85	3	63-115/10
74-95-3	Methylene bromide	ND		25	24.0	96	22.9	92	5	81-116/10
75-09-2	Methylene chloride	ND		25	28.4	114	26.4	106	7	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	137	110	135	108	1	61-127/13
1634-04-4	Methyl Tert Butyl Ether	ND		25	22.4	90	21.0	84	6	75-116/10
91-20-3	Naphthalene	ND		25	21.2	85	20.5	82	3	59-125/15
76-01-7	Pentachloroethane	ND		25	25.4	102	23.9	96	6	82-111/8
107-12-0	Propionitrile	ND		250	230	92	235	94	2	69-119/12
103-65-1	n-Propylbenzene	ND		25	25.7	103	24.4	98	5	86-125/10
100-42-5	Styrene	ND		25	23.7	95	22.2	89	7	78-118/11
630-20-6	1,1,1,2-Tetrachloroethane	ND		25	23.6	94	22.5	90	5	81-119/10
71-55-6	1,1,1-Trichloroethane	ND		25	28.4	114	26.9	108	5	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	23.7	95	23.1	92	3	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	23.4	94	22.0	88	6	80-114/11
87-61-6	1,2,3-Trichlorobenzene	ND		25	23.3	93	21.8	87	7	64-126/16
96-18-4	1,2,3-Trichloropropane	ND		25	19.7	79	19.7	79	0	77-115/12
120-82-1	1,2,4-Trichlorobenzene	ND		25	23.7	95	22.2	89	7	68-123/11

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61633
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61594-40MS	F032344.D	1	11/29/08	JG	n/a	n/a	VF811
F61594-40MSD	F032345.D	1	11/29/08	JG	n/a	n/a	VF811
F61594-40	F032337.D	1	11/29/08	JG	n/a	n/a	VF811

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61633-1, F61633-2

CAS No.	Compound	F61594-40 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		25	24.8	99	23.4	94	6	82-120/10
108-67-8	1,3,5-Trimethylbenzene	ND		25	25.0	100	23.5	94	6	83-123/10
127-18-4	Tetrachloroethylene	ND		25	23.3	93	22.0	88	6	80-131/12
108-88-3	Toluene	ND		25	24.8	99	22.9	92	8	86-116/10
79-01-6	Trichloroethylene	1.0		25	26.4	102	24.9	96	6	85-124/10
75-69-4	Trichlorofluoromethane	ND		25	32.2	129	31.2	125	3	66-156/15
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		25	22.4	90	21.8	87	3	51-137/24
75-01-4	Vinyl chloride	ND		25	33.2	133	33.3	133	0	57-153/22
108-05-4	Vinyl Acetate	ND		125	143	114	137	110	4	38-159/11
	m,p-Xylene	ND		50	51.2	102	48.1	96	6	86-121/10
95-47-6	o-Xylene	ND		25	25.0	100	23.5	94	6	83-121/10

CAS No.	Surrogate Recoveries	MS	MSD	F61594-40	Limits
1868-53-7	Dibromofluoromethane	106%	107%	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	107%	107%	107%	76-127%
2037-26-5	Toluene-D8	96%	96%	100%	86-112%
460-00-4	4-Bromofluorobenzene	99%	101%	102%	84-120%

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61633
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV1892-MB	UV032935.D	1	12/01/08	AH	n/a	n/a	GUV1892

The QC reported here applies to the following samples: **Method:** SW846 8015

F61633-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	76%	57-129%
98-08-8	aaa-Trifluorotoluene	78%	58-120%

Method Blank Summary

Job Number: F61633
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV1897-MB	UV033040.D	1	12/05/08	AH	n/a	n/a	GUV1897

The QC reported here applies to the following samples: **Method:** SW846 8015

F61633-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	93%	57-129%
98-08-8	aaa-Trifluorotoluene	90%	58-120%

Blank Spike Summary

Job Number: F61633
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV1892-BS	UV032934.D	1	12/01/08	AH	n/a	n/a	GUV1892

The QC reported here applies to the following samples: **Method:** SW846 8015

F61633-1

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	0.4	0.327	82	75-129

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	91%	57-129%
98-08-8	aaa-Trifluorotoluene	85%	58-120%

Blank Spike Summary

Job Number: F61633
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV1897-BS	UV033039.D	1	12/05/08	AH	n/a	n/a	GUV1897

The QC reported here applies to the following samples: **Method:** SW846 8015

F61633-2

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	0.4	0.401	100	75-129

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	103%	57-129%
98-08-8	aaa-Trifluorotoluene	86%	58-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61633
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61683-2MS	UV032951.D	10	12/01/08	AH	n/a	n/a	GUV1892
F61683-2MSD	UV032952.D	10	12/01/08	AH	n/a	n/a	GUV1892
F61683-2	UV032948.D	10	12/01/08	AH	n/a	n/a	GUV1892

The QC reported here applies to the following samples: **Method:** SW846 8015

F61633-1

CAS No.	Compound	F61683-2 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	1.63		4	3.79	54*	3.80	54*	0	75-129/13

CAS No.	Surrogate Recoveries	MS	MSD	F61683-2	Limits
460-00-4	4-Bromofluorobenzene	87%	84%	79%	57-129%
98-08-8	aaa-Trifluorotoluene	80%	83%	74%	58-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61633
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61745-2MS	UV033050.D	1	12/05/08	AH	n/a	n/a	GUV1897
F61745-2MSD	UV033051.D	1	12/05/08	AH	n/a	n/a	GUV1897
F61745-2 [a]	UV033043.D	1	12/05/08	AH	n/a	n/a	GUV1897

The QC reported here applies to the following samples: **Method:** SW846 8015

F61633-2

CAS No.	Compound	F61745-2 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	1.34	E	0.4	1.53	48* [b]	1.40	15* [b]	9	75-129/13

CAS No.	Surrogate Recoveries	MS	MSD	F61745-2	Limits
460-00-4	4-Bromofluorobenzene	107%	97%	96%	57-129%
98-08-8	aaa-Trifluorotoluene			112% [c]	58-120%
98-08-8	aaa-Trifluorotoluene	128%* [d]	141%* [d]	163%* [d]	58-120%

(a) Confirmation run.
(b) Outside control limits due to high level in sample relative to spike amount.
(c) Result reported from PID.
(d) Outside control limits due to matrix interference.

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61633
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27225-MB	LL24101.D	1	11/25/08	ME	11/21/08	OP27225	GLL903

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61633-1, F61633-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.25	0.10	mg/l	
	TPH (> C22-C36)	ND	0.25	0.10	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	94%	42-114%

Method Blank Summary

Job Number: F61633
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27225-MB	LL24116.D	1	11/26/08	ME	11/21/08	OP27225	GLL904

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61633-1, F61633-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.25	0.10	mg/l	
	TPH (> C22-C36)	ND	0.25	0.10	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	95%	42-114%

Blank Spike Summary

Job Number: F61633
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27225-BS	LL24100.D	1	11/25/08	ME	11/21/08	OP27225	GLL903

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61633-1, F61633-2

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH (C10-C22)	1	0.991	99	60-140
	TPH (> C22-C36)	1	1.08	108	60-140

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	97%	42-114%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61633
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27225-MS	LL24106.D	1	11/26/08	ME	11/21/08	OP27225	GLL903
OP27225-MSD	LL24107.D	1	11/26/08	ME	11/21/08	OP27225	GLL903
F61632-1	LL24105.D	1	11/26/08	ME	11/21/08	OP27225	GLL903

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61633-1, F61633-2

CAS No.	Compound	F61632-1 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		1.92	1.88	98	1.93	100	3	60-140/30
	TPH (> C22-C36)	ND		1.92	1.99	103	2.08	108	4	60-140/30

CAS No.	Surrogate Recoveries	MS	MSD	F61632-1	Limits
84-15-1	o-Terphenyl	97%	101%	97%	42-114%

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: F61633
Account: NWIDIF - North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Solids, Total Dissolved	GN32906	100	<100	mg/l				

Associated Samples:
Batch GN32906: F61633-1
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: F61633
Account: NWIDIF - North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Solids, Total Dissolved	GN32906	F61631-1	mg/l	20000	21000	4.9	0-5%

Associated Samples:
Batch GN32906: F61633-1
(*) Outside of QC limits

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/15/08

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F61683

Sampling Dates: 11/18/08 - 11/19/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **59**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Note: This report is password protected to disallow document modification or assembly.
A password to unlock this report is available from your client service representative.

Sections: 1 2 3 4 5 6 7 8

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F61683-1: SS61-MW14 7
3.2: F61683-2: SS61-MW08 13
3.3: F61683-3: TRIP BLANK 19
3.4: F61683-4: TRIP BLANK 22
Section 4: Misc. Forms **25**
4.1: Certification Exceptions 26
4.2: Chain of Custody 27
Section 5: GC/MS Volatiles - QC Data Summaries **30**
5.1: Method Blank Summary 31
5.2: Blank Spike Summary 37
5.3: Matrix Spike/Matrix Spike Duplicate Summary 43
Section 6: GC Volatiles - QC Data Summaries **49**
6.1: Method Blank Summary 50
6.2: Blank Spike Summary 51
6.3: Matrix Spike/Matrix Spike Duplicate Summary 52
Section 7: GC Semi-volatiles - QC Data Summaries **53**
7.1: Method Blank Summary 54
7.2: Blank Spike Summary 55
7.3: Matrix Spike/Matrix Spike Duplicate Summary 56
Section 8: General Chemistry - QC Data Summaries **57**
8.1: Method Blank and Spike Results Summary 58
8.2: Duplicate Results Summary 59

Sample Summary

North Wind, Inc

Job No: F61683

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F61683-1	11/18/08	14:45	DM	11/20/08	AQ	Ground Water	SS61-MW14
F61683-2	11/19/08	10:30	DM	11/20/08	AQ	Ground Water	SS61-MW08
F61683-2D	11/19/08	10:30	DM	11/20/08	AQ	Water Dup/MSD	SS61-MW08
F61683-2S	11/19/08	10:30	DM	11/20/08	AQ	Water Matrix Spike	SS61-MW08
F61683-3	11/18/08	00:00	DM	11/20/08	AQ	Trip Blank Water	TRIP BLANK
F61683-4	11/19/08	00:00	DM	11/20/08	AQ	Trip Blank Water	TRIP BLANK

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F61683

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/10/2008 8:31:14

2 Samples, 2 Trip Blanks were collected on between 11/18/2008 and 11/19/2008 and received at Accutest on 11/20/2008 properly preserved, at 2.6 Deg. C and intact. These Samples received an Accutest job number of F61683. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VF813

Sample(s) F61609-4MS, F61609-4MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

The following samples were run outside of holding time for method SW846 8260B: F61683-1, F61683-3, F61683-1

BS/MS/MSD Recovery(s) for Acrolein are outside control limits.

Matrix Spike Recovery(s) for 2-Chloroethyl vinyl ether, Acetone, Bromochloromethane, cis-1,2-Dichloroethylene, Methyl iodide are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,1-Dichloropropene, 1-Chlorohexane, 2-Chloroethyl vinyl ether, Acetone, Acrylonitrile, Bromobenzene, Bromochloromethane, Chlorobenzene, cis-1,2-Dichloroethylene, cis-1,3-Dichloropropene, Ethylbenzene, m-Dichlorobenzene, Methyl iodide, n-Propylbenzene, o-Chlorotoluene, o-Dichlorobenzene, p-Chlorotoluene, p-Dichlorobenzene, Toluene, Trichloroethylene are outside control limits. Probable cause due to matrix interference.

RPD(s) for MSD for Acetonitrile, Chlorobenzene, p-Chlorotoluene, Pentachloroethane are outside control limits for sample F61609-4MSD. Probable cause due to sample homogeneity.

F61683-1 for Acrolein: CCV and BS outside of control limits; results may be biased low.

F61683-3 for Acrolein: CCV and BS outside of control limits; results may be biased low.

Matrix: AQ **Batch ID:** VF814

All method blanks for this batch meet method specific criteria.

Sample(s) F61683-2MS, F61683-2MSD were used as the QC samples indicated.

BS/MS/MSD Recovery(s) for Acrolein are outside control limits.

MS and/or MSD Recovery(s) for 2-Chloroethyl vinyl ether, Acetone are outside control limits. Probable cause due to matrix interference.

F61683-2 for Acrolein: CCV outside of control limits; results may be biased low.

F61683-4 for Acrolein: CCV outside of control limits; results may be biased low.

Volatiles by GC By Method SW846 8015

Matrix: AQ **Batch ID:** GUV1892

All samples were analyzed within the recommended method holding time.

Sample(s) F61683-2MS, F61683-2MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

MS/MSD Recovery(s) for TPH-GRO (C6-C10) are outside control limits. Probable cause due to matrix interference.

Matrix: AQ **Batch ID:** GUV1896

F61683-2: Confirmation run.

Extractables by GC By Method SW846 8015 M

Matrix: AQ **Batch ID:** OP27251

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F61683-2MS, F61683-2MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

F61683-1 for TPH (C10-C22): Petroleum hydrocarbon pattern begins before C10.

F61683-2 for TPH (C10-C22): Petroleum hydrocarbon pattern begins before C10.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN32930

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61683-2DUP were used as the QC samples for Solids, Total Dissolved.

RPD(s) for Duplicate for Solids, Total Dissolved are outside control limits for sample GN32930-D1. Probable cause due to sample homogeneity.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: December 10, 2008

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-MW14		
Lab Sample ID:	F61683-1	**Date Sampled:**	11/18/08
Matrix:	AQ - Ground Water	**Date Received:**	11/20/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F032422.D	10	12/02/08	AJ	n/a	n/a	VF813
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	250	100	ug/l	
75-05-8	Acetonitrile	ND	200	50	ug/l	
107-02-8	Acrolein [a]	ND	200	50	ug/l	
107-13-1	Acrylonitrile	ND	100	20	ug/l	
107-05-1	Allyl chloride	ND	100	20	ug/l	
71-43-2	Benzene	264	10	4.0	ug/l	
100-44-7	Benzyl Chloride	ND	20	3.6	ug/l	
108-86-1	Bromobenzene	ND	10	2.6	ug/l	
74-97-5	Bromochloromethane	ND	10	2.3	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.0	ug/l	
75-25-2	Bromoform	ND	10	3.3	ug/l	
104-51-8	n-Butylbenzene	ND	10	2.8	ug/l	
135-98-8	sec-Butylbenzene	3.8	10	2.5	ug/l	J
98-06-6	tert-Butylbenzene	3.3	10	3.2	ug/l	J
108-90-7	Chlorobenzene	ND	10	2.2	ug/l	
75-00-3	Chloroethane	ND	20	4.8	ug/l	
67-66-3	Chloroform	ND	10	2.8	ug/l	
544-10-5	1-Chlorohexane	ND	20	2.7	ug/l	
95-49-8	o-Chlorotoluene	ND	10	2.5	ug/l	
106-43-4	p-Chlorotoluene	ND	10	2.1	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	50	10	ug/l	
75-15-0	Carbon disulfide	ND	20	4.0	ug/l	
56-23-5	Carbon tetrachloride	ND	10	2.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	2.4	ug/l	
75-35-4	1,1-Dichloroethylene	ND	10	5.4	ug/l	
563-58-6	1,1-Dichloropropene	ND	10	2.3	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	20	3.2	ug/l	
106-93-4	1,2-Dibromoethane	ND	10	2.8	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	3.4	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	2.1	ug/l	
142-28-9	1,3-Dichloropropane	ND	10	2.6	ug/l	
594-20-7	2,2-Dichloropropane	ND	10	2.8	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW14		
Lab Sample ID:	F61683-1	**Date Sampled:**	11/18/08
Matrix:	AQ - Ground Water	**Date Received:**	11/20/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	10	2.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	20	10	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	10	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.1	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	100	10	ug/l	
541-73-1	m-Dichlorobenzene	ND	10	2.3	ug/l	
95-50-1	o-Dichlorobenzene	ND	10	2.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	10	2.2	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	10	4.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	2.1	ug/l	
100-41-4	Ethylbenzene	ND	10	4.3	ug/l	
97-63-2	Ethyl methacrylate	ND	50	10	ug/l	
76-13-1	Freon 113	ND	10	3.4	ug/l	
591-78-6	2-Hexanone	ND	100	50	ug/l	
87-68-3	Hexachlorobutadiene	ND	20	6.9	ug/l	
110-54-3	Hexane	ND	20	5.0	ug/l	
98-82-8	Isopropylbenzene	69.1	10	2.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	10	3.2	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	50	20	ug/l	
126-98-7	Methacrylonitrile	ND	200	50	ug/l	
74-83-9	Methyl bromide	ND	20	7.8	ug/l	
74-87-3	Methyl chloride	ND	20	6.1	ug/l	
74-88-4	Methyl iodide	ND	50	10	ug/l	
80-62-6	Methyl methacrylate	ND	50	10	ug/l	
74-95-3	Methylene bromide	ND	20	3.0	ug/l	
75-09-2	Methylene chloride	ND	50	10	ug/l	
78-93-3	Methyl ethyl ketone	ND	50	20	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	2.6	ug/l	
91-20-3	Naphthalene	ND	50	10	ug/l	
76-01-7	Pentachloroethane	ND	100	20	ug/l	
107-12-0	Propionitrile	ND	200	100	ug/l	
103-65-1	n-Propylbenzene	ND	10	2.5	ug/l	
100-42-5	Styrene	ND	10	3.6	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	10	2.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	3.3	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	2.1	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	2.6	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	10	5.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	20	3.4	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	10	5.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW14		
Lab Sample ID:	F61683-1	**Date Sampled:**	11/18/08
Matrix:	AQ - Ground Water	**Date Received:**	11/20/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	20	2.2	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	20	2.0	ug/l	
127-18-4	Tetrachloroethylene	ND	10	2.2	ug/l	
108-88-3	Toluene	ND	10	3.5	ug/l	
79-01-6	Trichloroethylene	ND	10	3.2	ug/l	
75-69-4	Trichlorofluoromethane	ND	20	5.0	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	100	20	ug/l	
75-01-4	Vinyl chloride	ND	10	3.0	ug/l	
108-05-4	Vinyl Acetate	ND	100	36	ug/l	
	m,p-Xylene	ND	20	7.8	ug/l	
95-47-6	o-Xylene	ND	10	3.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		87-116%
17060-07-0	1,2-Dichloroethane-D4	110%		76-127%
2037-26-5	Toluene-D8	103%		86-112%
460-00-4	4-Bromofluorobenzene	101%		84-120%

(a) CCV and BS outside of control limits; results may be biased low.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW14		
Lab Sample ID:	F61683-1	**Date Sampled:**	11/18/08
Matrix:	AQ - Ground Water	**Date Received:**	11/20/08
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV032947.D	1	12/01/08	AH	n/a	n/a	GUV1892
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.934	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%		57-129%
98-08-8	aaa-Trifluorotoluene	114%		58-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW14		
Lab Sample ID:	F61683-1	**Date Sampled:**	11/18/08
Matrix:	AQ - Ground Water	**Date Received:**	11/20/08
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24122.D	1	11/26/08	ME	11/24/08	OP27251	GLL904
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22) [a]	0.296	0.24	0.096	mg/l	
	TPH (> C22-C36)	0.263	0.24	0.096	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	95%		42-114%

(a) Petroleum hydrocarbon pattern begins before C10.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW14		
Lab Sample ID:	F61683-1	**Date Sampled:**	11/18/08
Matrix:	AQ - Ground Water	**Date Received:**	11/20/08
		Percent Solids:	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	15300	100	10	mg/l	1	11/22/08 09:30	LE	SM19 2540C

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-MW08		
Lab Sample ID:	F61683-2	**Date Sampled:**	11/19/08
Matrix:	AQ - Ground Water	**Date Received:**	11/20/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F032436.D	10	12/03/08	AJ	n/a	n/a	VF814
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	250	100	ug/l	
75-05-8	Acetonitrile	ND	200	50	ug/l	
107-02-8	Acrolein [a]	ND	200	50	ug/l	
107-13-1	Acrylonitrile	ND	100	20	ug/l	
107-05-1	Allyl chloride	ND	100	20	ug/l	
71-43-2	Benzene	401	10	4.0	ug/l	
100-44-7	Benzyl Chloride	ND	20	3.6	ug/l	
108-86-1	Bromobenzene	ND	10	2.6	ug/l	
74-97-5	Bromochloromethane	ND	10	2.3	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.0	ug/l	
75-25-2	Bromoform	ND	10	3.3	ug/l	
104-51-8	n-Butylbenzene	ND	10	2.8	ug/l	
135-98-8	sec-Butylbenzene	ND	10	2.5	ug/l	
98-06-6	tert-Butylbenzene	3.4	10	3.2	ug/l	J
108-90-7	Chlorobenzene	ND	10	2.2	ug/l	
75-00-3	Chloroethane	ND	20	4.8	ug/l	
67-66-3	Chloroform	ND	10	2.8	ug/l	
544-10-5	1-Chlorohexane	ND	20	2.7	ug/l	
95-49-8	o-Chlorotoluene	ND	10	2.5	ug/l	
106-43-4	p-Chlorotoluene	ND	10	2.1	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	50	10	ug/l	
75-15-0	Carbon disulfide	ND	20	4.0	ug/l	
56-23-5	Carbon tetrachloride	ND	10	2.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	2.4	ug/l	
75-35-4	1,1-Dichloroethylene	ND	10	5.4	ug/l	
563-58-6	1,1-Dichloropropene	ND	10	2.3	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	20	3.2	ug/l	
106-93-4	1,2-Dibromoethane	ND	10	2.8	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	3.4	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	2.1	ug/l	
142-28-9	1,3-Dichloropropane	ND	10	2.6	ug/l	
594-20-7	2,2-Dichloropropane	ND	10	2.8	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW08		
Lab Sample ID:	F61683-2	**Date Sampled:**	11/19/08
Matrix:	AQ - Ground Water	**Date Received:**	11/20/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	10	2.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	20	10	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	10	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.1	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	100	10	ug/l	
541-73-1	m-Dichlorobenzene	ND	10	2.3	ug/l	
95-50-1	o-Dichlorobenzene	ND	10	2.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	10	2.2	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	10	4.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	2.1	ug/l	
100-41-4	Ethylbenzene	ND	10	4.3	ug/l	
97-63-2	Ethyl methacrylate	ND	50	10	ug/l	
76-13-1	Freon 113	ND	10	3.4	ug/l	
591-78-6	2-Hexanone	ND	100	50	ug/l	
87-68-3	Hexachlorobutadiene	ND	20	6.9	ug/l	
110-54-3	Hexane	ND	20	5.0	ug/l	
98-82-8	Isopropylbenzene	115	10	2.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	10	3.2	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	50	20	ug/l	
126-98-7	Methacrylonitrile	ND	200	50	ug/l	
74-83-9	Methyl bromide	ND	20	7.8	ug/l	
74-87-3	Methyl chloride	ND	20	6.1	ug/l	
74-88-4	Methyl iodide	ND	50	10	ug/l	
80-62-6	Methyl methacrylate	ND	50	10	ug/l	
74-95-3	Methylene bromide	ND	20	3.0	ug/l	
75-09-2	Methylene chloride	ND	50	10	ug/l	
78-93-3	Methyl ethyl ketone	ND	50	20	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	2.6	ug/l	
91-20-3	Naphthalene	ND	50	10	ug/l	
76-01-7	Pentachloroethane	ND	100	20	ug/l	
107-12-0	Propionitrile	ND	200	100	ug/l	
103-65-1	n-Propylbenzene	ND	10	2.5	ug/l	
100-42-5	Styrene	ND	10	3.6	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	10	2.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	3.3	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	2.1	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	2.6	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	10	5.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	20	3.4	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	10	5.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW08		
Lab Sample ID:	F61683-2	**Date Sampled:**	11/19/08
Matrix:	AQ - Ground Water	**Date Received:**	11/20/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	20	2.2	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	20	2.0	ug/l	
127-18-4	Tetrachloroethylene	ND	10	2.2	ug/l	
108-88-3	Toluene	ND	10	3.5	ug/l	
79-01-6	Trichloroethylene	ND	10	3.2	ug/l	
75-69-4	Trichlorofluoromethane	ND	20	5.0	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	100	20	ug/l	
75-01-4	Vinyl chloride	ND	10	3.0	ug/l	
108-05-4	Vinyl Acetate	ND	100	36	ug/l	
	m,p-Xylene	ND	20	7.8	ug/l	
95-47-6	o-Xylene	ND	10	3.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		87-116%
17060-07-0	1,2-Dichloroethane-D4	107%		76-127%
2037-26-5	Toluene-D8	103%		86-112%
460-00-4	4-Bromofluorobenzene	99%		84-120%

(a) CCV outside of control limits; results may be biased low.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW08		
Lab Sample ID:	F61683-2	**Date Sampled:**	11/19/08
Matrix:	AQ - Ground Water	**Date Received:**	11/20/08
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV032948.D	10	12/01/08	AH	n/a	n/a	GUV1892
Run #2 [a]	UV033015.D	10	12/04/08	AH	n/a	n/a	GUV1896

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1.63	1.0	0.50	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	79%	79%	57-129%
98-08-8	aaa-Trifluorotoluene	74%	79%	58-120%

(a) Confirmation run.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW08		
Lab Sample ID:	F61683-2	**Date Sampled:**	11/19/08
Matrix:	AQ - Ground Water	**Date Received:**	11/20/08
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24123.D	1	11/26/08	ME	11/24/08	OP27251	GLL904
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22) [a]	0.283	0.24	0.096	mg/l	
	TPH (> C22-C36)	0.101	0.24	0.096	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	99%		42-114%

(a) Petroleum hydrocarbon pattern begins before C10.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW08		
Lab Sample ID:	F61683-2	**Date Sampled:**	11/19/08
Matrix:	AQ - Ground Water	**Date Received:**	11/20/08
		Percent Solids:	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	3700	100	10	mg/l	1	11/22/08 09:30	LE	SM19 2540C

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61683-3	**Date Sampled:**	11/18/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	11/20/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F032417.D	1	12/02/08	AJ	n/a	n/a	VF813
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein [a]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61683-3	**Date Sampled:**	11/18/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	11/20/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61683-3	**Date Sampled:**	11/18/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	11/20/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	ND	2.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		87-116%
17060-07-0	1,2-Dichloroethane-D4	107%		76-127%
2037-26-5	Toluene-D8	103%		86-112%
460-00-4	4-Bromofluorobenzene	98%		84-120%

(a) CCV and BS outside of control limits; results may be biased low.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61683-4	**Date Sampled:**	11/19/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	11/20/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F032431.D	1	12/03/08	AJ	n/a	n/a	VF814
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein [a]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61683-4	**Date Sampled:**	11/19/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	11/20/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61683-4	**Date Sampled:**	11/19/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	11/20/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	ND	2.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		87-116%
17060-07-0	1,2-Dichloroethane-D4	107%		76-127%
2037-26-5	Toluene-D8	104%		86-112%
460-00-4	4-Bromofluorobenzene	99%		84-120%

(a) CCV outside of control limits; results may be biased low.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

Parameter Certification Exceptions

Job Number: F61683
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

The following parameters included in this report are exceptions to NELAC certification.
The certification status of each is indicated below.

Parameter	CAS#	Method	Mat	Certification Status
Freon 113	76-13-1	**SW846 8260B**	AQ	Certified by SOP MS005

F61683

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

Page 1 of 1

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number (1): 11-19-2008-2

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Dusty McNeil

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code (2)	Sample Number (3)	Sample Matrix (4)	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)					Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
									Sample Analysis Requested (5)									Quality Assurance Samples (6)			
1	SS61-MW14	SS61-MW14	18-Nov-2008	1445	-	N	01	WG	7	X	X	X	X								2
2	SS61-MW08	SS61-MW08	19-Nov-2008	1030	-	N	01	WG	7	X	X	X	X								2
3	Trip Blank				-			TB	2	X											2
					-																
					-																
					-																
					-																
					-																
					-																
					-																
					-																

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1.	[signature]	11/19/08	1400	[signature]		
2.	[signature] FX	11/20/08	9:50	[signature]	11/20/08	9:50
3.						

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: _____ Shipped No.: _____

Method of Shipment: _____ Airbill Number: _____

Analytical Lab: Accutest Laboratories Delivery Location: _____

Lab Recipient: _____ Delivery Date/Time: _____

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

2.0 2.6

4.2 4

F61683: Chain of Custody
Page 1 of 3

F61683

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

Page 1 of 1

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number [1]: 11-19-2008-4

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Dusty McNeil

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	Sample Analysis Requested [5]: VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)	Quality Assurance Samples [6]: Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
2	SS61-MW08-MS	SS61-MW08	19-Nov-2008	1030	-	MS	01	WG	7	X	X	X	X				4
2	SS61-MW08-MSD	SS61-MW08	19-Nov-2008	1030	-	SD	01	WG	7	X	X	X	X				4
4	Trip Blank				-	TB		WQ	2	X							4
					-												
					-												
					-												
					-												
					-												
					-												
					-												
					-												

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1.	Jeff Moyer	11/19/08	1400	FX		
2.	FX	11/20/08	9100	Chris R	11/20/08	9100
3.						

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: _____ Shipped No.: _____

Method of Shipment: _____ Airbill Number: _____

Analytical Lab: Accutest Laboratories Delivery Location: _____

Lab Recipient: _____ Delivery Date/Time: _____

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-t) Sample, FD = Field Duplicate (-s) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

2.0 2.6

4.2 4

F61683: Chain of Custody
Page 2 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61683 CLIENT: BHATE PROJECT: NW1-50295.01

DATE/TIME RECEIVED: 11/20/08 9:00 # OF COOLERS RECEIVED: 2 COOLER TEMPS: 2.0 2.6

METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8639 1933 5276

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [X] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ?

NUMBER OF 5035 FIELD KITS ?

NUMBER OF LAB FILTERED METALS ?

SUMMARY OF COMMENTS: Only received 2 vials per sample (8260) (GRO).

TECHNICIAN SIGNATURE/DATE: 11/20/08 TECHNICIAN SIGNATURE/DATE: 11-20-08 ASBD 12/17/07

4.2 4

F61683: Chain of Custody
Page 3 of 3

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61683
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF813-MB	F032398.D	1	12/02/08	AJ	n/a	n/a	VF813

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61683-1, F61683-3

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

Method Blank Summary

Job Number: F61683
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF813-MB	F032398.D	1	12/02/08	AJ	n/a	n/a	VF813

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61683-1, F61683-3

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

Method Blank Summary

Job Number: F61683
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF813-MB	F032398.D	1	12/02/08	AJ	n/a	n/a	VF813

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61683-1, F61683-3

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	ND	2.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	106%	76-127%
2037-26-5	Toluene-D8	101%	86-112%
460-00-4	4-Bromofluorobenzene	100%	84-120%

Method Blank Summary

Job Number: F61683
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF814-MB	F032428.D	1	12/03/08	AJ	n/a	n/a	VF814

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61683-2, F61683-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

Method Blank Summary

Job Number: F61683
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF814-MB	F032428.D	1	12/03/08	AJ	n/a	n/a	VF814

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61683-2, F61683-4

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

Method Blank Summary

Job Number: F61683
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF814-MB	F032428.D	1	12/03/08	AJ	n/a	n/a	VF814

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61683-2, F61683-4

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	ND	2.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	106%	76-127%
2037-26-5	Toluene-D8	103%	86-112%
460-00-4	4-Bromofluorobenzene	99%	84-120%

Blank Spike Summary

Job Number: F61683
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF813-BS	F032397.D	1	12/02/08	AJ	n/a	n/a	VF813

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61683-1, F61683-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	111	89	59-134
75-05-8	Acetonitrile	250	259	104	57-123
107-02-8	Acrolein	125	18.9	15*	33-157
107-13-1	Acrylonitrile	125	130	104	62-124
107-05-1	Allyl chloride	25	20.3	81	48-136
71-43-2	Benzene	25	24.8	99	83-124
100-44-7	Benzyl Chloride	25	23.4	94	61-118
108-86-1	Bromobenzene	25	23.8	95	83-115
74-97-5	Bromochloromethane	25	21.2	85	78-112
75-27-4	Bromodichloromethane	25	23.3	93	76-116
75-25-2	Bromoform	25	25.7	103	68-128
104-51-8	n-Butylbenzene	25	25.5	102	84-124
135-98-8	sec-Butylbenzene	25	25.4	102	86-127
98-06-6	tert-Butylbenzene	25	25.2	101	83-126
108-90-7	Chlorobenzene	25	24.3	97	87-115
75-00-3	Chloroethane	25	24.8	99	54-166
67-66-3	Chloroform	25	25.1	100	85-123
544-10-5	1-Chlorohexane	25	25.8	103	87-128
95-49-8	o-Chlorotoluene	25	24.4	98	84-121
106-43-4	p-Chlorotoluene	25	24.3	97	84-120
110-75-8	2-Chloroethyl vinyl ether	125	154	123	63-125
75-15-0	Carbon disulfide	25	20.5	82	67-147
56-23-5	Carbon tetrachloride	25	25.4	102	74-139
75-34-3	1,1-Dichloroethane	25	25.4	102	82-127
75-35-4	1,1-Dichloroethylene	25	24.4	98	75-133
563-58-6	1,1-Dichloropropene	25	24.1	96	87-127
96-12-8	1,2-Dibromo-3-chloropropane	25	26.2	105	61-118
106-93-4	1,2-Dibromoethane	25	23.7	95	80-115
107-06-2	1,2-Dichloroethane	25	23.6	94	76-122
78-87-5	1,2-Dichloropropane	25	23.9	96	81-120
142-28-9	1,3-Dichloropropane	25	23.8	95	81-113
594-20-7	2,2-Dichloropropane	25	26.0	104	77-138
124-48-1	Dibromochloromethane	25	24.2	97	74-116
75-71-8	Dichlorodifluoromethane	25	17.7	71	34-158
156-59-2	cis-1,2-Dichloroethylene	25	22.9	92	81-114
10061-01-5	cis-1,3-Dichloropropene	25	24.0	96	83-119

Blank Spike Summary

Job Number: F61683
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF813-BS	F032397.D	1	12/02/08	AJ	n/a	n/a	VF813

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61683-1, F61683-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	25	22.4	90	41-130
541-73-1	m-Dichlorobenzene	25	24.7	99	86-115
95-50-1	o-Dichlorobenzene	25	24.8	99	85-115
106-46-7	p-Dichlorobenzene	25	24.5	98	87-113
156-60-5	trans-1,2-Dichloroethylene	25	26.0	104	82-126
10061-02-6	trans-1,3-Dichloropropene	25	26.2	105	87-123
100-41-4	Ethylbenzene	25	24.7	99	87-118
97-63-2	Ethyl methacrylate	25	24.2	97	68-110
76-13-1	Freon 113	25	23.2	93	74-139
591-78-6	2-Hexanone	125	123	98	58-125
87-68-3	Hexachlorobutadiene	25	29.0	116	71-133
110-54-3	Hexane	25	29.2	117	71-134
98-82-8	Isopropylbenzene	25	26.6	106	87-131
99-87-6	p-Isopropyltoluene	25	26.0	104	83-125
108-10-1	4-Methyl-2-pentanone	125	129	103	62-125
126-98-7	Methacrylonitrile	250	247	99	62-133
74-83-9	Methyl bromide	25	22.9	92	55-151
74-87-3	Methyl chloride	25	22.9	92	55-173
74-88-4	Methyl iodide	25	19.9	80	72-125
80-62-6	Methyl methacrylate	25	24.8	99	63-115
74-95-3	Methylene bromide	25	24.0	96	81-116
75-09-2	Methylene chloride	25	25.2	101	69-125
78-93-3	Methyl ethyl ketone	125	109	87	61-127
1634-04-4	Methyl Tert Butyl Ether	25	23.3	93	75-116
91-20-3	Naphthalene	25	25.8	103	59-125
76-01-7	Pentachloroethane	25	24.5	98	82-111
107-12-0	Propionitrile	250	272	109	69-119
103-65-1	n-Propylbenzene	25	24.8	99	86-125
100-42-5	Styrene	25	25.9	104	78-118
630-20-6	1,1,1,2-Tetrachloroethane	25	24.7	99	81-119
71-55-6	1,1,1-Trichloroethane	25	25.6	102	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	25.0	100	71-120
79-00-5	1,1,2-Trichloroethane	25	24.1	96	80-114
87-61-6	1,2,3-Trichlorobenzene	25	25.0	100	64-126
96-18-4	1,2,3-Trichloropropane	25	22.5	90	77-115
120-82-1	1,2,4-Trichlorobenzene	25	25.3	101	68-123

Blank Spike Summary

Job Number: F61683
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF813-BS	F032397.D	1	12/02/08	AJ	n/a	n/a	VF813

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61683-1, F61683-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	25	25.1	100	82-120
108-67-8	1,3,5-Trimethylbenzene	25	25.2	101	83-123
127-18-4	Tetrachloroethylene	25	24.1	96	80-131
108-88-3	Toluene	25	24.5	98	86-116
79-01-6	Trichloroethylene	25	23.2	93	85-124
75-69-4	Trichlorofluoromethane	25	17.3	69	66-156
110-57-6	Trans-1,4-Dichloro-2-Butene	25	25.1	100	51-137
75-01-4	Vinyl chloride	25	23.8	95	57-153
108-05-4	Vinyl Acetate	125	144	115	38-159
	m,p-Xylene	50	50.5	101	86-121
95-47-6	o-Xylene	25	25.4	102	83-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	106%	76-127%
2037-26-5	Toluene-D8	101%	86-112%
460-00-4	4-Bromofluorobenzene	97%	84-120%

Blank Spike Summary

Job Number: F61683
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF814-BS	F032427.D	1	12/03/08	AJ	n/a	n/a	VF814

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61683-2, F61683-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	102	82	59-134
75-05-8	Acetonitrile	250	260	104	57-123
107-02-8	Acrolein	125	18.8	15*	33-157
107-13-1	Acrylonitrile	125	125	100	62-124
107-05-1	Allyl chloride	25	19.2	77	48-136
71-43-2	Benzene	25	24.9	100	83-124
100-44-7	Benzyl Chloride	25	22.8	91	61-118
108-86-1	Bromobenzene	25	23.8	95	83-115
74-97-5	Bromochloromethane	25	20.7	83	78-112
75-27-4	Bromodichloromethane	25	23.6	94	76-116
75-25-2	Bromoform	25	25.0	100	68-128
104-51-8	n-Butylbenzene	25	25.4	102	84-124
135-98-8	sec-Butylbenzene	25	25.6	102	86-127
98-06-6	tert-Butylbenzene	25	25.9	104	83-126
108-90-7	Chlorobenzene	25	24.1	96	87-115
75-00-3	Chloroethane	25	24.5	98	54-166
67-66-3	Chloroform	25	25.0	100	85-123
544-10-5	1-Chlorohexane	25	24.9	100	87-128
95-49-8	o-Chlorotoluene	25	24.6	98	84-121
106-43-4	p-Chlorotoluene	25	24.3	97	84-120
110-75-8	2-Chloroethyl vinyl ether	125	152	122	63-125
75-15-0	Carbon disulfide	25	16.7	67	67-147
56-23-5	Carbon tetrachloride	25	24.6	98	74-139
75-34-3	1,1-Dichloroethane	25	25.0	100	82-127
75-35-4	1,1-Dichloroethylene	25	23.0	92	75-133
563-58-6	1,1-Dichloropropene	25	23.9	96	87-127
96-12-8	1,2-Dibromo-3-chloropropane	25	26.6	106	61-118
106-93-4	1,2-Dibromoethane	25	23.3	93	80-115
107-06-2	1,2-Dichloroethane	25	24.4	98	76-122
78-87-5	1,2-Dichloropropane	25	24.1	96	81-120
142-28-9	1,3-Dichloropropane	25	23.3	93	81-113
594-20-7	2,2-Dichloropropane	25	24.9	100	77-138
124-48-1	Dibromochloromethane	25	23.9	96	74-116
75-71-8	Dichlorodifluoromethane	25	15.7	63	34-158
156-59-2	cis-1,2-Dichloroethylene	25	22.0	88	81-114
10061-01-5	cis-1,3-Dichloropropene	25	24.1	96	83-119

Blank Spike Summary

Job Number: F61683
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF814-BS	F032427.D	1	12/03/08	AJ	n/a	n/a	VF814

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61683-2, F61683-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	25	23.1	92	41-130
541-73-1	m-Dichlorobenzene	25	24.1	96	86-115
95-50-1	o-Dichlorobenzene	25	24.7	99	85-115
106-46-7	p-Dichlorobenzene	25	24.2	97	87-113
156-60-5	trans-1,2-Dichloroethylene	25	25.2	101	82-126
10061-02-6	trans-1,3-Dichloropropene	25	26.0	104	87-123
100-41-4	Ethylbenzene	25	24.3	97	87-118
97-63-2	Ethyl methacrylate	25	23.4	94	68-110
76-13-1	Freon 113	25	19.6	78	74-139
591-78-6	2-Hexanone	125	116	93	58-125
87-68-3	Hexachlorobutadiene	25	28.7	115	71-133
110-54-3	Hexane	25	28.0	112	71-134
98-82-8	Isopropylbenzene	25	26.1	104	87-131
99-87-6	p-Isopropyltoluene	25	25.7	103	83-125
108-10-1	4-Methyl-2-pentanone	125	127	102	62-125
126-98-7	Methacrylonitrile	250	244	98	62-133
74-83-9	Methyl bromide	25	23.7	95	55-151
74-87-3	Methyl chloride	25	20.9	84	55-173
74-88-4	Methyl iodide	25	18.9	76	72-125
80-62-6	Methyl methacrylate	25	23.6	94	63-115
74-95-3	Methylene bromide	25	24.0	96	81-116
75-09-2	Methylene chloride	25	24.5	98	69-125
78-93-3	Methyl ethyl ketone	125	105	84	61-127
1634-04-4	Methyl Tert Butyl Ether	25	22.0	88	75-116
91-20-3	Naphthalene	25	25.3	101	59-125
76-01-7	Pentachloroethane	25	24.6	98	82-111
107-12-0	Propionitrile	250	265	106	69-119
103-65-1	n-Propylbenzene	25	24.9	100	86-125
100-42-5	Styrene	25	25.1	100	78-118
630-20-6	1,1,1,2-Tetrachloroethane	25	25.1	100	81-119
71-55-6	1,1,1-Trichloroethane	25	24.9	100	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	25.0	100	71-120
79-00-5	1,1,2-Trichloroethane	25	24.1	96	80-114
87-61-6	1,2,3-Trichlorobenzene	25	24.6	98	64-126
96-18-4	1,2,3-Trichloropropane	25	22.4	90	77-115
120-82-1	1,2,4-Trichlorobenzene	25	24.8	99	68-123

Blank Spike Summary

Job Number: F61683
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF814-BS	F032427.D	1	12/03/08	AJ	n/a	n/a	VF814

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61683-2, F61683-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	25	25.1	100	82-120
108-67-8	1,3,5-Trimethylbenzene	25	25.4	102	83-123
127-18-4	Tetrachloroethylene	25	24.3	97	80-131
108-88-3	Toluene	25	24.2	97	86-116
79-01-6	Trichloroethylene	25	23.5	94	85-124
75-69-4	Trichlorofluoromethane	25	25.4	102	66-156
110-57-6	Trans-1,4-Dichloro-2-Butene	25	25.7	103	51-137
75-01-4	Vinyl chloride	25	22.5	90	57-153
108-05-4	Vinyl Acetate	125	143	114	38-159
	m,p-Xylene	50	50.1	100	86-121
95-47-6	o-Xylene	25	25.0	100	83-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	107%	76-127%
2037-26-5	Toluene-D8	101%	86-112%
460-00-4	4-Bromofluorobenzene	98%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61683
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61609-4MS	F032409.D	1	12/02/08	AJ	n/a	n/a	VF813
F61609-4MSD	F032410.D	1	12/02/08	AJ	n/a	n/a	VF813
F61609-4	F032411.D	1	12/02/08	AJ	n/a	n/a	VF813

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61683-1, F61683-3

CAS No.	Compound	F61609-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25 U		125	62.8	50*	70.5	56*	12	59-134/14
75-05-8	Acetonitrile	20 U		250	190	76	223	89	16*	57-123/15
107-02-8	Acrolein	20 U		125	17.9	14*	18.5	15*	3	33-157/21
107-13-1	Acrylonitrile	10 U		125	143	114	157	126*	9	62-124/13
107-05-1	Allyl chloride	10 U		25	17.5	70	16.6	66	5	48-136/13
71-43-2	Benzene	1.0 U		25	22.8	91	20.9	84	9	83-124/11
100-44-7	Benzyl Chloride	2.0 U		25	20.0	80	19.5	78	3	61-118/12
108-86-1	Bromobenzene	1.0 U		25	22.1	88	20.3	81*	8	83-115/10
74-97-5	Bromochloromethane	1.0 U		25	18.8	75*	17.7	71*	6	78-112/10
75-27-4	Bromodichloromethane	0.59	I	25	22.5	88	20.7	80	8	76-116/10
75-25-2	Bromoform	1.0 U		25	21.9	88	21.3	85	3	68-128/11
104-51-8	n-Butylbenzene	1.0 U		25	23.1	92	21.2	85	9	84-124/10
135-98-8	sec-Butylbenzene	1.0 U		25	23.7	95	21.8	87	8	86-127/10
98-06-6	tert-Butylbenzene	1.0 U		25	23.9	96	21.8	87	9	83-126/10
108-90-7	Chlorobenzene	1.0 U		25	22.7	91	20.6	82*	10*	87-115/9
75-00-3	Chloroethane	2.0 U		25	22.7	91	21.9	88	4	54-166/20
67-66-3	Chloroform	4.5		25	27.6	92	25.9	86	6	85-123/10
544-10-5	1-Chlorohexane	2.0 U		25	22.5	90	21.5	86*	5	87-128/10
95-49-8	o-Chlorotoluene	1.0 U		25	22.8	91	20.8	83*	9	84-121/10
106-43-4	p-Chlorotoluene	1.0 U		25	22.9	92	20.6	82*	11*	84-120/10
110-75-8	2-Chloroethyl vinyl ether	5.0 U		125	ND	0*	ND	0*	nc	63-125/24
75-15-0	Carbon disulfide	2.0 U		25	17.7	71	16.9	68	5	67-147/12
56-23-5	Carbon tetrachloride	1.0 U		25	22.6	90	22.0	88	3	74-139/13
75-34-3	1,1-Dichloroethane	1.0 U		25	23.3	93	21.9	88	6	82-127/10
75-35-4	1,1-Dichloroethylene	4.1		25	25.1	84	23.9	79	5	75-133/13
563-58-6	1,1-Dichloropropene	1.0 U		25	22.0	88	20.4	82*	8	87-127/10
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U		25	22.9	92	23.8	95	4	61-118/15
106-93-4	1,2-Dibromoethane	1.0 U		25	20.7	83	20.4	82	1	80-115/10
107-06-2	1,2-Dichloroethane	1.0 U		25	22.2	89	20.9	84	6	76-122/11
78-87-5	1,2-Dichloropropane	1.0 U		25	22.0	88	20.4	82	8	81-120/11
142-28-9	1,3-Dichloropropane	1.0 U		25	21.1	84	20.2	81	4	81-113/11
594-20-7	2,2-Dichloropropane	1.0 U		25	22.5	90	21.2	85	6	77-138/12
124-48-1	Dibromochloromethane	1.0 U		25	22.0	88	20.7	83	6	74-116/11
75-71-8	Dichlorodifluoromethane	2.0 U		25	15.3	61	15.9	64	4	34-158/22
156-59-2	cis-1,2-Dichloroethylene	1.0 U		25	20.0	80*	19.0	76*	5	81-114/10
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	21.1	84	20.0	80*	5	83-119/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61683
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61609-4MS	F032409.D	1	12/02/08	AJ	n/a	n/a	VF813
F61609-4MSD	F032410.D	1	12/02/08	AJ	n/a	n/a	VF813
F61609-4	F032411.D	1	12/02/08	AJ	n/a	n/a	VF813

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61683-1, F61683-3

CAS No.	Compound	F61609-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	10	U	25	19.9	80	19.9	80	0	41-130/33
541-73-1	m-Dichlorobenzene	1.0	U	25	22.4	90	20.5	82*	9	86-115/9
95-50-1	o-Dichlorobenzene	1.0	U	25	22.9	92	20.9	84*	9	85-115/9
106-46-7	p-Dichlorobenzene	1.0	U	25	22.6	90	20.4	82*	10	87-113/10
156-60-5	trans-1,2-Dichloroethylene	1.0	U	25	23.2	93	22.1	88	5	82-126/10
10061-02-6	trans-1,3-Dichloropropene	1.0	U	25	23.4	94	22.1	88	6	87-123/10
100-41-4	Ethylbenzene	1.0	U	25	22.5	90	20.9	84*	7	87-118/10
97-63-2	Ethyl methacrylate	5.0	U	25	20.8	83	21.0	84	1	68-110/11
76-13-1	Freon 113	1.0	U	25	19.5	78	19.3	77	1	74-139/13
591-78-6	2-Hexanone	10	U	125	94.7	76	102	82	7	58-125/14
87-68-3	Hexachlorobutadiene	2.0	U	25	25.4	102	22.9	92	10	71-133/12
110-54-3	Hexane	2.0	U	25	25.8	103	26.3	105	2	71-134/11
98-82-8	Isopropylbenzene	1.0	U	25	23.6	94	22.0	88	7	87-131/10
99-87-6	p-Isopropyltoluene	1.0	U	25	23.6	94	21.5	86	9	83-125/9
108-10-1	4-Methyl-2-pentanone	5.0	U	125	113	90	118	94	4	62-125/13
126-98-7	Methacrylonitrile	20	U	250	215	86	225	90	5	62-133/17
74-83-9	Methyl bromide	2.0	U	25	22.8	91	20.8	83	9	55-151/21
74-87-3	Methyl chloride	2.0	U	25	19.1	76	17.9	72	6	55-173/22
74-88-4	Methyl iodide	5.0	U	25	16.9	68*	16.2	65*	4	72-125/11
80-62-6	Methyl methacrylate	5.0	U	25	20.5	82	22.1	88	8	63-115/10
74-95-3	Methylene bromide	2.0	U	25	22.1	88	20.9	84	6	81-116/10
75-09-2	Methylene chloride	5.0	U	25	22.9	92	21.5	86	6	69-125/11
78-93-3	Methyl ethyl ketone	22.7		125	99.4	61	108	68	8	61-127/13
1634-04-4	Methyl Tert Butyl Ether	1.0	U	25	18.9	76	19.2	77	2	75-116/10
91-20-3	Naphthalene	5.0	U	25	22.5	90	22.2	89	1	59-125/15
76-01-7	Pentachloroethane	10	U	25	23.2	93	21.3	85	9*	82-111/8
107-12-0	Propionitrile	20	U	250	228	91	249	100	9	69-119/12
103-65-1	n-Propylbenzene	1.0	U	25	23.1	92	21.1	84*	9	86-125/10
100-42-5	Styrene	1.0	U	25	23.3	93	21.1	84	10	78-118/11
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	25	22.3	89	20.5	82	8	81-119/10
71-55-6	1,1,1-Trichloroethane	1.0	U	25	22.8	91	21.9	88	4	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	25	22.4	90	22.5	90	0	71-120/11
79-00-5	1,1,2-Trichloroethane	1.0	U	25	22.1	88	21.1	84	5	80-114/11
87-61-6	1,2,3-Trichlorobenzene	1.0	U	25	22.4	90	20.5	82	9	64-126/16
96-18-4	1,2,3-Trichloropropane	2.0	U	25	20.1	80	20.4	82	1	77-115/12
120-82-1	1,2,4-Trichlorobenzene	1.0	U	25	22.6	90	20.7	83	9	68-123/11

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61683
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61609-4MS	F032409.D	1	12/02/08	AJ	n/a	n/a	VF813
F61609-4MSD	F032410.D	1	12/02/08	AJ	n/a	n/a	VF813
F61609-4	F032411.D	1	12/02/08	AJ	n/a	n/a	VF813

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61683-1, F61683-3

CAS No.	Compound	F61609-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	2.0 U		25	23.2	93	21.1	84	9	82-120/10
108-67-8	1,3,5-Trimethylbenzene	2.0 U		25	23.3	93	21.2	85	9	83-123/10
127-18-4	Tetrachloroethylene	1.0 U		25	21.9	88	20.4	82	7	80-131/12
108-88-3	Toluene	1.0 U		25	22.5	90	20.8	83*	8	86-116/10
79-01-6	Trichloroethylene	1.0 U		25	21.6	86	19.9	80*	8	85-124/10
75-69-4	Trichlorofluoromethane	2.0 U		25	24.5	98	24.1	96	2	66-156/15
110-57-6	Trans-1,4-Dichloro-2-Butene	10 U		25	22.0	88	22.6	90	3	51-137/24
75-01-4	Vinyl chloride	1.0 U		25	20.1	80	20.9	84	4	57-153/22
108-05-4	Vinyl Acetate	10 U		125	161	129	160	128	1	38-159/11
	m,p-Xylene	2.0 U		50	46.6	93	42.8	86	9	86-121/10
95-47-6	o-Xylene	1.0 U		25	23.1	92	21.0	84	10	83-121/10

CAS No.	Surrogate Recoveries	MS	MSD	F61609-4	Limits
1868-53-7	Dibromofluoromethane	102%	103%	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	106%	106%	105%	76-127%
2037-26-5	Toluene-D8	100%	99%	102%	86-112%
460-00-4	4-Bromofluorobenzene	98%	98%	101%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61683
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61683-2MS	F032437.D	10	12/03/08	AJ	n/a	n/a	VF814
F61683-2MSD	F032438.D	10	12/03/08	AJ	n/a	n/a	VF814
F61683-2	F032436.D	10	12/03/08	AJ	n/a	n/a	VF814

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61683-2, F61683-4

CAS No.	Compound	F61683-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		1250	689	55*	754	60	9	59-134/14
75-05-8	Acetonitrile	ND		2500	2180	87	2380	95	9	57-123/15
107-02-8	Acrolein	ND		1250	288	23*	279	22*	3	33-157/21
107-13-1	Acrylonitrile	ND		1250	1220	98	1330	106	9	62-124/13
107-05-1	Allyl chloride	ND		250	191	76	187	75	2	48-136/13
71-43-2	Benzene	401		250	626	90	611	84	2	83-124/11
100-44-7	Benzyl Chloride	ND		250	202	81	208	83	3	61-118/12
108-86-1	Bromobenzene	ND		250	233	93	233	93	0	83-115/10
74-97-5	Bromochloromethane	ND		250	212	85	207	83	2	78-112/10
75-27-4	Bromodichloromethane	ND		250	242	97	236	94	3	76-116/10
75-25-2	Bromoform	ND		250	234	94	244	98	4	68-128/11
104-51-8	n-Butylbenzene	ND		250	246	98	239	96	3	84-124/10
135-98-8	sec-Butylbenzene	ND		250	248	99	245	98	1	86-127/10
98-06-6	tert-Butylbenzene	3.4	J	250	257	101	254	100	1	83-126/10
108-90-7	Chlorobenzene	ND		250	237	95	237	95	0	87-115/9
75-00-3	Chloroethane	ND		250	255	102	235	94	8	54-166/20
67-66-3	Chloroform	ND		250	261	104	253	101	3	85-123/10
544-10-5	1-Chlorohexane	ND		250	237	95	232	93	2	87-128/10
95-49-8	o-Chlorotoluene	ND		250	239	96	238	95	0	84-121/10
106-43-4	p-Chlorotoluene	ND		250	240	96	239	96	0	84-120/10
110-75-8	2-Chloroethyl vinyl ether	ND		1250	635	51*	568	45*	11	63-125/24
75-15-0	Carbon disulfide	ND		250	194	78	195	78	1	67-147/12
56-23-5	Carbon tetrachloride	ND		250	248	99	241	96	3	74-139/13
75-34-3	1,1-Dichloroethane	ND		250	260	104	253	101	3	82-127/10
75-35-4	1,1-Dichloroethylene	ND		250	246	98	261	104	6	75-133/13
563-58-6	1,1-Dichloropropene	ND		250	234	94	230	92	2	87-127/10
96-12-8	1,2-Dibromo-3-chloropropane	ND		250	236	94	263	105	11	61-118/15
106-93-4	1,2-Dibromoethane	ND		250	222	89	230	92	4	80-115/10
107-06-2	1,2-Dichloroethane	ND		250	240	96	238	95	1	76-122/11
78-87-5	1,2-Dichloropropane	ND		250	243	97	238	95	2	81-120/11
142-28-9	1,3-Dichloropropane	ND		250	224	90	229	92	2	81-113/11
594-20-7	2,2-Dichloropropane	ND		250	249	100	238	95	5	77-138/12
124-48-1	Dibromochloromethane	ND		250	233	93	234	94	0	74-116/11
75-71-8	Dichlorodifluoromethane	ND		250	157	63	149	60	5	34-158/22
156-59-2	cis-1,2-Dichloroethylene	ND		250	227	91	223	89	2	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		250	241	96	238	95	1	83-119/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61683
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61683-2MS	F032437.D	10	12/03/08	AJ	n/a	n/a	VF814
F61683-2MSD	F032438.D	10	12/03/08	AJ	n/a	n/a	VF814
F61683-2	F032436.D	10	12/03/08	AJ	n/a	n/a	VF814

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61683-2, F61683-4

CAS No.	Compound	F61683-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		250	196	78	206	82	5	41-130/33
541-73-1	m-Dichlorobenzene	ND		250	237	95	236	94	0	86-115/9
95-50-1	o-Dichlorobenzene	ND		250	239	96	240	96	0	85-115/9
106-46-7	p-Dichlorobenzene	ND		250	238	95	236	94	1	87-113/10
156-60-5	trans-1,2-Dichloroethylene	ND		250	264	106	257	103	3	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		250	250	100	248	99	1	87-123/10
100-41-4	Ethylbenzene	ND		250	242	97	236	94	3	87-118/10
97-63-2	Ethyl methacrylate	ND		250	212	85	222	89	5	68-110/11
76-13-1	Freon 113	ND		250	208	83	214	86	3	74-139/13
591-78-6	2-Hexanone	ND		1250	964	77	1070	86	10	58-125/14
87-68-3	Hexachlorobutadiene	ND		250	268	107	261	104	3	71-133/12
110-54-3	Hexane	ND		250	279	112	269	108	4	71-134/11
98-82-8	Isopropylbenzene	115		250	370	102	364	100	2	87-131/10
99-87-6	p-Isopropyltoluene	ND		250	250	100	248	99	1	83-125/9
108-10-1	4-Methyl-2-pentanone	ND		1250	1140	91	1240	99	8	62-125/13
126-98-7	Methacrylonitrile	ND		2500	2240	90	2400	96	7	62-133/17
74-83-9	Methyl bromide	ND		250	240	96	225	90	6	55-151/21
74-87-3	Methyl chloride	ND		250	203	81	199	80	2	55-173/22
74-88-4	Methyl iodide	ND		250	195	78	191	76	2	72-125/11
80-62-6	Methyl methacrylate	ND		250	260	104	270	108	4	63-115/10
74-95-3	Methylene bromide	ND		250	244	98	240	96	2	81-116/10
75-09-2	Methylene chloride	ND		250	269	108	263	105	2	69-125/11
78-93-3	Methyl ethyl ketone	ND		1250	836	67	925	74	10	61-127/13
1634-04-4	Methyl Tert Butyl Ether	ND		250	216	86	221	88	2	75-116/10
91-20-3	Naphthalene	ND		250	234	94	247	99	5	59-125/15
76-01-7	Pentachloroethane	ND		250	240	96	238	95	1	82-111/8
107-12-0	Propionitrile	ND		2500	2420	97	2630	105	8	69-119/12
103-65-1	n-Propylbenzene	ND		250	243	97	240	96	1	86-125/10
100-42-5	Styrene	ND		250	243	97	243	97	0	78-118/11
630-20-6	1,1,1,2-Tetrachloroethane	ND		250	241	96	236	94	2	81-119/10
71-55-6	1,1,1-Trichloroethane	ND		250	258	103	247	99	4	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		250	234	94	249	100	6	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		250	232	93	234	94	1	80-114/11
87-61-6	1,2,3-Trichlorobenzene	ND		250	236	94	237	95	0	64-126/16
96-18-4	1,2,3-Trichloropropane	ND		250	207	83	223	89	7	77-115/12
120-82-1	1,2,4-Trichlorobenzene	ND		250	242	97	239	96	1	68-123/11

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61683
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61683-2MS	F032437.D	10	12/03/08	AJ	n/a	n/a	VF814
F61683-2MSD	F032438.D	10	12/03/08	AJ	n/a	n/a	VF814
F61683-2	F032436.D	10	12/03/08	AJ	n/a	n/a	VF814

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61683-2, F61683-4

CAS No.	Compound	F61683-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		250	244	98	243	97	0	82-120/10
108-67-8	1,3,5-Trimethylbenzene	ND		250	245	98	242	97	1	83-123/10
127-18-4	Tetrachloroethylene	ND		250	230	92	226	90	2	80-131/12
108-88-3	Toluene	ND		250	237	95	235	94	1	86-116/10
79-01-6	Trichloroethylene	ND		250	235	94	227	91	3	85-124/10
75-69-4	Trichlorofluoromethane	ND		250	270	108	244	98	10	66-156/15
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		250	226	90	239	96	6	51-137/24
75-01-4	Vinyl chloride	ND		250	224	90	220	88	2	57-153/22
108-05-4	Vinyl Acetate	ND		1250	1410	113	1470	118	4	38-159/11
	m,p-Xylene	ND		500	494	99	479	96	3	86-121/10
95-47-6	o-Xylene	ND		250	245	98	242	97	1	83-121/10

CAS No.	Surrogate Recoveries	MS	MSD	F61683-2	Limits
1868-53-7	Dibromofluoromethane	104%	104%	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	107%	107%	107%	76-127%
2037-26-5	Toluene-D8	97%	98%	103%	86-112%
460-00-4	4-Bromofluorobenzene	97%	98%	99%	84-120%

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61683
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV1892-MB	UV032935.D	1	12/01/08	AH	n/a	n/a	GUV1892

The QC reported here applies to the following samples: **Method:** SW846 8015

F61683-1, F61683-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	76%	57-129%
98-08-8	aaa-Trifluorotoluene	78%	58-120%

Blank Spike Summary

Job Number: F61683
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV1892-BS	UV032934.D	1	12/01/08	AH	n/a	n/a	GUV1892

The QC reported here applies to the following samples: **Method:** SW846 8015

F61683-1, F61683-2

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	0.4	0.327	82	75-129

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	91%	57-129%
98-08-8	aaa-Trifluorotoluene	85%	58-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61683
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61683-2MS	UV032951.D	10	12/01/08	AH	n/a	n/a	GUV1892
F61683-2MSD	UV032952.D	10	12/01/08	AH	n/a	n/a	GUV1892
F61683-2	UV032948.D	10	12/01/08	AH	n/a	n/a	GUV1892

The QC reported here applies to the following samples: **Method:** SW846 8015

F61683-1, F61683-2

CAS No.	Compound	F61683-2 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	1.63		4	3.79	54*	3.80	54*	0	75-129/13

CAS No.	Surrogate Recoveries	MS	MSD	F61683-2	Limits
460-00-4	4-Bromofluorobenzene	87%	84%	79%	57-129%
98-08-8	aaa-Trifluorotoluene	80%	83%	74%	58-120%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61683
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27251-MB	LL24121.D	1	11/26/08	ME	11/24/08	OP27251	GLL904

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61683-1, F61683-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.25	0.10	mg/l	
	TPH (> C22-C36)	ND	0.25	0.10	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	98%	42-114%

Blank Spike Summary

Job Number: F61683
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27251-BS	LL24120.D	1	11/26/08	ME	11/24/08	OP27251	GLL904

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61683-1, F61683-2

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH (C10-C22)	1	0.600	60	60-140
	TPH (> C22-C36)	1	0.793	79	60-140

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	65%	42-114%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61683
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27251-MS	LL24124.D	1	11/26/08	ME	11/24/08	OP27251	GLL904
OP27251-MSD	LL24125.D	1	11/26/08	ME	11/24/08	OP27251	GLL904
F61683-2	LL24123.D	1	11/26/08	ME	11/24/08	OP27251	GLL904

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61683-1, F61683-2

CAS No.	Compound	F61683-2 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	0.283		1.92	1.95	87	2.19	99	12	60-140/30
	TPH (> C22-C36)	0.101	J	1.92	2.09	103	2.20	109	5	60-140/30

CAS No.	Surrogate Recoveries	MS	MSD	F61683-2	Limits
84-15-1	o-Terphenyl	93%	100%	99%	42-114%

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: F61683
Account: NWIDIF - North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Solids, Total Dissolved	GN32930	100	<100	mg/l				

Associated Samples:
Batch GN32930: F61683-1, F61683-2
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: F61683
Account: NWIDIF - North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Solids, Total Dissolved	GN32930	F61683-2	mg/l	3700	4300	15.0*	0-5%

Associated Samples:
Batch GN32930: F61683-1, F61683-2
(*) Outside of QC limits

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/15/08

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F61712

Sampling Date: 11/19/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **49**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Sections: 1 2 3 4 5 6 7 8

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F61712-1: SS61-MW10 7
3.2: F61712-2: SS61-MW09 13
3.3: F61712-3: TRIP BLANK 19
Section 4: Misc. Forms **22**
4.1: Certification Exceptions 23
4.2: Chain of Custody 24
Section 5: GC/MS Volatiles - QC Data Summaries **26**
5.1: Method Blank Summary 27
5.2: Blank Spike Summary 31
5.3: Matrix Spike/Matrix Spike Duplicate Summary 35
Section 6: GC Volatiles - QC Data Summaries **39**
6.1: Method Blank Summary 40
6.2: Blank Spike Summary 41
6.3: Matrix Spike/Matrix Spike Duplicate Summary 42
Section 7: GC Semi-volatiles - QC Data Summaries **43**
7.1: Method Blank Summary 44
7.2: Blank Spike Summary 45
7.3: Matrix Spike/Matrix Spike Duplicate Summary 46
Section 8: General Chemistry - QC Data Summaries **47**
8.1: Method Blank and Spike Results Summary 48
8.2: Duplicate Results Summary 49

Sample Summary

North Wind, Inc

Job No: F61712

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F61712-1	11/19/08	13:20	DM	11/21/08	AQ	Ground Water	SS61-MW10
F61712-2	11/19/08	15:45	DM	11/21/08	AQ	Ground Water	SS61-MW09
F61712-3	11/19/08	00:00	DM	11/21/08	AQ	Trip Blank Water	TRIP BLANK

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F61712

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/8/2008 1:48:06 PM

2 Samples, 1 Trip Blank were collected on 11/19/2008 and received at Accutest on 11/21/2008 properly preserved, at 2.6 Deg. C and intact. These Samples received an Accutest job number of F61712. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VF814

Sample(s) F61683-2MS, F61683-2MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

BS/MS/MSD Recovery(s) for Acrolein are outside control limits. Decomposition in spiking mix.

Matrix Spike Recovery(s) for 2-Chloroethyl vinyl ether, Acetone are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 2-Chloroethyl vinyl ether are outside control limits. Probable cause due to matrix interference. For method performance in clean matrix refer to Blank Spike.

F61712-1 for Acrolein: CCV outside of control limits; results may be biased low.

F61712-3 for Acrolein: CCV outside of control limits; results may be biased low.

F61712-2 for Acrolein: CCV outside of control limits; results may be biased low.

Matrix: AQ **Batch ID:** VF815

All method blanks for this batch meet method specific criteria.

Sample(s) F61745-1MS, F61745-1MSD were used as the QC samples indicated.

F61712-2: Sample re-analyzed beyond hold time; reported results are considered minimum values.

F61712-1: Sample re-analyzed beyond hold time; reported results are considered minimum values.

Volatiles by GC By Method SW846 8015

Matrix: AQ **Batch ID:** GUV1895

F61712-1: Confirmation run.

F61712-2: Confirmation run.

Matrix: AQ **Batch ID:** GUV1896

All method blanks for this batch meet method specific criteria.

Sample(s) F61712-2MS, F61712-2MSD were used as the QC samples indicated.

MS/MSD Recovery(s) for TPH-GRO (C6-C10) are outside control limits. Probable cause due to matrix interference.

F61712-2: Sample re-analyzed beyond hold time; reported results are considered minimum values.

F61712-1: Sample re-analyzed beyond hold time; reported results are considered minimum values.

Extractables by GC By Method SW846 8015 M

Matrix: AQ **Batch ID:** OP27251

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F61683-2MS, F61683-2MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

F61712-1 for TPH (C10-C22): Petroleum hydrocarbon pattern begins before C10.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN32930

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61683-2DUP were used as the QC samples for Solids, Total Dissolved.

RPD(s) for Duplicate for Solids, Total Dissolved are outside control limits for sample GN32930-D1. Probable cause due to sample homogeneity.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: December 08, 2008

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-MW10		
Lab Sample ID:	F61712-1	**Date Sampled:**	11/19/08
Matrix:	AQ - Ground Water	**Date Received:**	11/21/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F032434.D	1	12/03/08	AJ	n/a	n/a	VF814
Run #2 [a]	F032477.D	20	12/04/08	SH	n/a	n/a	VF815

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein [b]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	824 [c]	20	8.0	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	0.59	1.0	0.25	ug/l	J
98-06-6	tert-Butylbenzene	4.7	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW10		
Lab Sample ID:	F61712-1	**Date Sampled:**	11/19/08
Matrix:	AQ - Ground Water	**Date Received:**	11/21/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	61.4	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	35.1	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW10		
Lab Sample ID:	F61712-1	**Date Sampled:**	11/19/08
Matrix:	AQ - Ground Water	**Date Received:**	11/21/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	ND	2.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%	108%	87-116%
17060-07-0	1,2-Dichloroethane-D4	107%	111%	76-127%
2037-26-5	Toluene-D8	102%	103%	86-112%
460-00-4	4-Bromofluorobenzene	99%	98%	84-120%

(a) Sample re-analyzed beyond hold time; reported results are considered minimum values.
(b) CCV outside of control limits; results may be biased low.
(c) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW10		
Lab Sample ID:	F61712-1	**Date Sampled:**	11/19/08
Matrix:	AQ - Ground Water	**Date Received:**	11/21/08
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	UV033009.D	5	12/04/08	AH	n/a	n/a	GUV1896
Run #2 [b]	UV032989.D	1	12/03/08	AH	n/a	n/a	GUV1895

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	2.17	0.50	0.25	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	87%	85%	57-129%
98-08-8	aaa-Trifluorotoluene	89%	109%	58-120%

(a) Sample re-analyzed beyond hold time; reported results are considered minimum values.
(b) Confirmation run.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW10		
Lab Sample ID:	F61712-1	**Date Sampled:**	11/19/08
Matrix:	AQ - Ground Water	**Date Received:**	11/21/08
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24126.D	1	11/26/08	ME	11/24/08	OP27251	GLL904
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22) [a]	0.256	0.24	0.096	mg/l	
	TPH (> C22-C36)	ND	0.24	0.096	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	96%		42-114%

(a) Petroleum hydrocarbon pattern begins before C10.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW10		
Lab Sample ID:	F61712-1	**Date Sampled:**	11/19/08
Matrix:	AQ - Ground Water	**Date Received:**	11/21/08
		Percent Solids:	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	2560	100	10	mg/l	1	11/22/08 09:30	LE	SM19 2540C

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-MW09		
Lab Sample ID:	F61712-2	**Date Sampled:**	11/19/08
Matrix:	AQ - Ground Water	**Date Received:**	11/21/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F032435.D	1	12/03/08	AJ	n/a	n/a	VF814
Run #2 [a]	F032478.D	1	12/04/08	SH	n/a	n/a	VF815

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein [b]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	ND [c]	1.0	0.40	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	1.2	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW09		
Lab Sample ID:	F61712-2	**Date Sampled:**	11/19/08
Matrix:	AQ - Ground Water	**Date Received:**	11/21/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.22	1.0	0.20	ug/l	J
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW09		
Lab Sample ID:	F61712-2	**Date Sampled:**	11/19/08
Matrix:	AQ - Ground Water	**Date Received:**	11/21/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	ND	2.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	109%	109%	76-127%
2037-26-5	Toluene-D8	102%	104%	86-112%
460-00-4	4-Bromofluorobenzene	98%	99%	84-120%

(a) Sample re-analyzed beyond hold time; reported results are considered minimum values.
(b) CCV outside of control limits; results may be biased low.
(c) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW09		
Lab Sample ID:	F61712-2	**Date Sampled:**	11/19/08
Matrix:	AQ - Ground Water	**Date Received:**	11/21/08
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	UV033010.D	2	12/04/08	AH	n/a	n/a	GUV1896
Run #2 [b]	UV032990.D	10	12/03/08	AH	n/a	n/a	GUV1895

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.709	0.20	0.10	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	87%	83%	57-129%
98-08-8	aaa-Trifluorotoluene	115%	87%	58-120%

(a) Sample re-analyzed beyond hold time; reported results are considered minimum values.
(b) Confirmation run.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW09		
Lab Sample ID:	F61712-2	**Date Sampled:**	11/19/08
Matrix:	AQ - Ground Water	**Date Received:**	11/21/08
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24127.D	1	11/26/08	ME	11/24/08	OP27251	GLL904
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	0.306	0.24	0.096	mg/l	
	TPH (> C22-C36)	ND	0.24	0.096	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	87%		42-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW09		
Lab Sample ID:	F61712-2	**Date Sampled:**	11/19/08
Matrix:	AQ - Ground Water	**Date Received:**	11/21/08
		Percent Solids:	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	2940	100	10	mg/l	1	11/22/08 09:30	LE	SM19 2540C

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61712-3	**Date Sampled:**	11/19/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	11/21/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F032430.D	1	12/03/08	AJ	n/a	n/a	VF814
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein [a]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61712-3	**Date Sampled:**	11/19/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	11/21/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61712-3	**Date Sampled:**	11/19/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	11/21/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	ND	2.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		87-116%
17060-07-0	1,2-Dichloroethane-D4	107%		76-127%
2037-26-5	Toluene-D8	104%		86-112%
460-00-4	4-Bromofluorobenzene	101%		84-120%

(a) CCV outside of control limits; results may be biased low.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

Parameter Certification Exceptions

Job Number: F61712
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

The following parameters included in this report are exceptions to NELAC certification.
The certification status of each is indicated below.

Parameter	CAS#	Method	Mat	Certification Status
Freon 113	76-13-1	**SW846 8260B**	AQ	Certified by SOP MS005

F61712

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

Page 1 of 1

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number [1]: 11-20-2008-1

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Dusty McNeil

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)					Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
									Sample Analysis Requested [5]									Quality Assurance Samples [6]			
1	SS61-MW10	SS61-MW10	19-Nov-2008	1320	-	N	01	WG	7	X	X	X	X								1
2	SS61-MW09	SS61-MW09	19-Nov-2008	1545	-	N	01	WG	7	X	X	X	X								1
3	Trip Blank				-	TB		WQ	2	X											1
					-																
					-																
					-																
					-																
					-																
					-																
					-																
					-																

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1.	[signature]	11/20/08	1400	[signature]		
2.	[signature]			[signature]	11-21-08	09:00
3.						

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: _____ Shipped No.: _____

Method of Shipment: _____ Airbill Number: _____

Analytical Lab: Accutest Laboratories Delivery Location: _____

Lab Recipient: _____ Delivery Date/Time: _____

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

2.6

4.2 4

F61712: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61712 CLIENT: Blate PROJECT: SS-61

DATE/TIME RECEIVED: 11-21-08 0900 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.6

METHOD OF DELIVERY: ~~FEDEX~~ UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8668 3474 8628

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [X] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 0

NUMBER OF 5035 FIELD KITS ? 0

NUMBER OF LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS: only recieved 2 vial per sample (8260): (6RO)

TECHNICIAN SIGNATURE/DATE ET-11-21-08 TECHNICIAN SIGNATURE/DATE 11/21/08 ASBD 12/17/07

4.2 4

F61712: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61712
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF814-MB	F032428.D	1	12/03/08	AJ	n/a	n/a	VF814

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61712-1, F61712-2, F61712-3

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

Method Blank Summary

Job Number: F61712
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF814-MB	F032428.D	1	12/03/08	AJ	n/a	n/a	VF814

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61712-1, F61712-2, F61712-3

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

Method Blank Summary

Job Number: F61712
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF814-MB	F032428.D	1	12/03/08	AJ	n/a	n/a	VF814

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61712-1, F61712-2, F61712-3

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	ND	2.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	106%	76-127%
2037-26-5	Toluene-D8	103%	86-112%
460-00-4	4-Bromofluorobenzene	99%	84-120%

Method Blank Summary

Job Number: F61712
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF815-MB	F032455.D	1	12/04/08	SH	n/a	n/a	VF815

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61712-1, F61712-2

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.40	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	105%	76-127%
2037-26-5	Toluene-D8	102%	86-112%
460-00-4	4-Bromofluorobenzene	99%	84-120%

Blank Spike Summary

Job Number: F61712
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF814-BS	F032427.D	1	12/03/08	AJ	n/a	n/a	VF814

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61712-1, F61712-2, F61712-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	102	82	59-134
75-05-8	Acetonitrile	250	260	104	57-123
107-02-8	Acrolein	125	18.8	15*	33-157
107-13-1	Acrylonitrile	125	125	100	62-124
107-05-1	Allyl chloride	25	19.2	77	48-136
71-43-2	Benzene	25	24.9	100	83-124
100-44-7	Benzyl Chloride	25	22.8	91	61-118
108-86-1	Bromobenzene	25	23.8	95	83-115
74-97-5	Bromochloromethane	25	20.7	83	78-112
75-27-4	Bromodichloromethane	25	23.6	94	76-116
75-25-2	Bromoform	25	25.0	100	68-128
104-51-8	n-Butylbenzene	25	25.4	102	84-124
135-98-8	sec-Butylbenzene	25	25.6	102	86-127
98-06-6	tert-Butylbenzene	25	25.9	104	83-126
108-90-7	Chlorobenzene	25	24.1	96	87-115
75-00-3	Chloroethane	25	24.5	98	54-166
67-66-3	Chloroform	25	25.0	100	85-123
544-10-5	1-Chlorohexane	25	24.9	100	87-128
95-49-8	o-Chlorotoluene	25	24.6	98	84-121
106-43-4	p-Chlorotoluene	25	24.3	97	84-120
110-75-8	2-Chloroethyl vinyl ether	125	152	122	63-125
75-15-0	Carbon disulfide	25	16.7	67	67-147
56-23-5	Carbon tetrachloride	25	24.6	98	74-139
75-34-3	1,1-Dichloroethane	25	25.0	100	82-127
75-35-4	1,1-Dichloroethylene	25	23.0	92	75-133
563-58-6	1,1-Dichloropropene	25	23.9	96	87-127
96-12-8	1,2-Dibromo-3-chloropropane	25	26.6	106	61-118
106-93-4	1,2-Dibromoethane	25	23.3	93	80-115
107-06-2	1,2-Dichloroethane	25	24.4	98	76-122
78-87-5	1,2-Dichloropropane	25	24.1	96	81-120
142-28-9	1,3-Dichloropropane	25	23.3	93	81-113
594-20-7	2,2-Dichloropropane	25	24.9	100	77-138
124-48-1	Dibromochloromethane	25	23.9	96	74-116
75-71-8	Dichlorodifluoromethane	25	15.7	63	34-158
156-59-2	cis-1,2-Dichloroethylene	25	22.0	88	81-114
10061-01-5	cis-1,3-Dichloropropene	25	24.1	96	83-119

Blank Spike Summary

Job Number: F61712
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF814-BS	F032427.D	1	12/03/08	AJ	n/a	n/a	VF814

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61712-1, F61712-2, F61712-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	25	23.1	92	41-130
541-73-1	m-Dichlorobenzene	25	24.1	96	86-115
95-50-1	o-Dichlorobenzene	25	24.7	99	85-115
106-46-7	p-Dichlorobenzene	25	24.2	97	87-113
156-60-5	trans-1,2-Dichloroethylene	25	25.2	101	82-126
10061-02-6	trans-1,3-Dichloropropene	25	26.0	104	87-123
100-41-4	Ethylbenzene	25	24.3	97	87-118
97-63-2	Ethyl methacrylate	25	23.4	94	68-110
76-13-1	Freon 113	25	19.6	78	74-139
591-78-6	2-Hexanone	125	116	93	58-125
87-68-3	Hexachlorobutadiene	25	28.7	115	71-133
110-54-3	Hexane	25	28.0	112	71-134
98-82-8	Isopropylbenzene	25	26.1	104	87-131
99-87-6	p-Isopropyltoluene	25	25.7	103	83-125
108-10-1	4-Methyl-2-pentanone	125	127	102	62-125
126-98-7	Methacrylonitrile	250	244	98	62-133
74-83-9	Methyl bromide	25	23.7	95	55-151
74-87-3	Methyl chloride	25	20.9	84	55-173
74-88-4	Methyl iodide	25	18.9	76	72-125
80-62-6	Methyl methacrylate	25	23.6	94	63-115
74-95-3	Methylene bromide	25	24.0	96	81-116
75-09-2	Methylene chloride	25	24.5	98	69-125
78-93-3	Methyl ethyl ketone	125	105	84	61-127
1634-04-4	Methyl Tert Butyl Ether	25	22.0	88	75-116
91-20-3	Naphthalene	25	25.3	101	59-125
76-01-7	Pentachloroethane	25	24.6	98	82-111
107-12-0	Propionitrile	250	265	106	69-119
103-65-1	n-Propylbenzene	25	24.9	100	86-125
100-42-5	Styrene	25	25.1	100	78-118
630-20-6	1,1,1,2-Tetrachloroethane	25	25.1	100	81-119
71-55-6	1,1,1-Trichloroethane	25	24.9	100	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	25.0	100	71-120
79-00-5	1,1,2-Trichloroethane	25	24.1	96	80-114
87-61-6	1,2,3-Trichlorobenzene	25	24.6	98	64-126
96-18-4	1,2,3-Trichloropropane	25	22.4	90	77-115
120-82-1	1,2,4-Trichlorobenzene	25	24.8	99	68-123

Blank Spike Summary

Job Number: F61712
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF814-BS	F032427.D	1	12/03/08	AJ	n/a	n/a	VF814

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61712-1, F61712-2, F61712-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	25	25.1	100	82-120
108-67-8	1,3,5-Trimethylbenzene	25	25.4	102	83-123
127-18-4	Tetrachloroethylene	25	24.3	97	80-131
108-88-3	Toluene	25	24.2	97	86-116
79-01-6	Trichloroethylene	25	23.5	94	85-124
75-69-4	Trichlorofluoromethane	25	25.4	102	66-156
110-57-6	Trans-1,4-Dichloro-2-Butene	25	25.7	103	51-137
75-01-4	Vinyl chloride	25	22.5	90	57-153
108-05-4	Vinyl Acetate	125	143	114	38-159
	m,p-Xylene	50	50.1	100	86-121
95-47-6	o-Xylene	25	25.0	100	83-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	107%	76-127%
2037-26-5	Toluene-D8	101%	86-112%
460-00-4	4-Bromofluorobenzene	98%	84-120%

Blank Spike Summary

Job Number: F61712
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF815-BS	F032454.D	1	12/04/08	SH	n/a	n/a	VF815

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61712-1, F61712-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	23.8	95	83-124

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	107%	76-127%
2037-26-5	Toluene-D8	100%	86-112%
460-00-4	4-Bromofluorobenzene	99%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61712
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61683-2MS	F032437.D	10	12/03/08	AJ	n/a	n/a	VF814
F61683-2MSD	F032438.D	10	12/03/08	AJ	n/a	n/a	VF814
F61683-2	F032436.D	10	12/03/08	AJ	n/a	n/a	VF814

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61712-1, F61712-2, F61712-3

CAS No.	Compound	F61683-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		1250	689	55*	754	60	9	59-134/14
75-05-8	Acetonitrile	ND		2500	2180	87	2380	95	9	57-123/15
107-02-8	Acrolein	ND		1250	288	23*	279	22*	3	33-157/21
107-13-1	Acrylonitrile	ND		1250	1220	98	1330	106	9	62-124/13
107-05-1	Allyl chloride	ND		250	191	76	187	75	2	48-136/13
71-43-2	Benzene	401		250	626	90	611	84	2	83-124/11
100-44-7	Benzyl Chloride	ND		250	202	81	208	83	3	61-118/12
108-86-1	Bromobenzene	ND		250	233	93	233	93	0	83-115/10
74-97-5	Bromochloromethane	ND		250	212	85	207	83	2	78-112/10
75-27-4	Bromodichloromethane	ND		250	242	97	236	94	3	76-116/10
75-25-2	Bromoform	ND		250	234	94	244	98	4	68-128/11
104-51-8	n-Butylbenzene	ND		250	246	98	239	96	3	84-124/10
135-98-8	sec-Butylbenzene	ND		250	248	99	245	98	1	86-127/10
98-06-6	tert-Butylbenzene	3.4	J	250	257	101	254	100	1	83-126/10
108-90-7	Chlorobenzene	ND		250	237	95	237	95	0	87-115/9
75-00-3	Chloroethane	ND		250	255	102	235	94	8	54-166/20
67-66-3	Chloroform	ND		250	261	104	253	101	3	85-123/10
544-10-5	1-Chlorohexane	ND		250	237	95	232	93	2	87-128/10
95-49-8	o-Chlorotoluene	ND		250	239	96	238	95	0	84-121/10
106-43-4	p-Chlorotoluene	ND		250	240	96	239	96	0	84-120/10
110-75-8	2-Chloroethyl vinyl ether	ND		1250	635	51*	568	45*	11	63-125/24
75-15-0	Carbon disulfide	ND		250	194	78	195	78	1	67-147/12
56-23-5	Carbon tetrachloride	ND		250	248	99	241	96	3	74-139/13
75-34-3	1,1-Dichloroethane	ND		250	260	104	253	101	3	82-127/10
75-35-4	1,1-Dichloroethylene	ND		250	246	98	261	104	6	75-133/13
563-58-6	1,1-Dichloropropene	ND		250	234	94	230	92	2	87-127/10
96-12-8	1,2-Dibromo-3-chloropropane	ND		250	236	94	263	105	11	61-118/15
106-93-4	1,2-Dibromoethane	ND		250	222	89	230	92	4	80-115/10
107-06-2	1,2-Dichloroethane	ND		250	240	96	238	95	1	76-122/11
78-87-5	1,2-Dichloropropane	ND		250	243	97	238	95	2	81-120/11
142-28-9	1,3-Dichloropropane	ND		250	224	90	229	92	2	81-113/11
594-20-7	2,2-Dichloropropane	ND		250	249	100	238	95	5	77-138/12
124-48-1	Dibromochloromethane	ND		250	233	93	234	94	0	74-116/11
75-71-8	Dichlorodifluoromethane	ND		250	157	63	149	60	5	34-158/22
156-59-2	cis-1,2-Dichloroethylene	ND		250	227	91	223	89	2	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		250	241	96	238	95	1	83-119/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61712
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61683-2MS	F032437.D	10	12/03/08	AJ	n/a	n/a	VF814
F61683-2MSD	F032438.D	10	12/03/08	AJ	n/a	n/a	VF814
F61683-2	F032436.D	10	12/03/08	AJ	n/a	n/a	VF814

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61712-1, F61712-2, F61712-3

CAS No.	Compound	F61683-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		250	196	78	206	82	5	41-130/33
541-73-1	m-Dichlorobenzene	ND		250	237	95	236	94	0	86-115/9
95-50-1	o-Dichlorobenzene	ND		250	239	96	240	96	0	85-115/9
106-46-7	p-Dichlorobenzene	ND		250	238	95	236	94	1	87-113/10
156-60-5	trans-1,2-Dichloroethylene	ND		250	264	106	257	103	3	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		250	250	100	248	99	1	87-123/10
100-41-4	Ethylbenzene	ND		250	242	97	236	94	3	87-118/10
97-63-2	Ethyl methacrylate	ND		250	212	85	222	89	5	68-110/11
76-13-1	Freon 113	ND		250	208	83	214	86	3	74-139/13
591-78-6	2-Hexanone	ND		1250	964	77	1070	86	10	58-125/14
87-68-3	Hexachlorobutadiene	ND		250	268	107	261	104	3	71-133/12
110-54-3	Hexane	ND		250	279	112	269	108	4	71-134/11
98-82-8	Isopropylbenzene	115		250	370	102	364	100	2	87-131/10
99-87-6	p-Isopropyltoluene	ND		250	250	100	248	99	1	83-125/9
108-10-1	4-Methyl-2-pentanone	ND		1250	1140	91	1240	99	8	62-125/13
126-98-7	Methacrylonitrile	ND		2500	2240	90	2400	96	7	62-133/17
74-83-9	Methyl bromide	ND		250	240	96	225	90	6	55-151/21
74-87-3	Methyl chloride	ND		250	203	81	199	80	2	55-173/22
74-88-4	Methyl iodide	ND		250	195	78	191	76	2	72-125/11
80-62-6	Methyl methacrylate	ND		250	260	104	270	108	4	63-115/10
74-95-3	Methylene bromide	ND		250	244	98	240	96	2	81-116/10
75-09-2	Methylene chloride	ND		250	269	108	263	105	2	69-125/11
78-93-3	Methyl ethyl ketone	ND		1250	836	67	925	74	10	61-127/13
1634-04-4	Methyl Tert Butyl Ether	ND		250	216	86	221	88	2	75-116/10
91-20-3	Naphthalene	ND		250	234	94	247	99	5	59-125/15
76-01-7	Pentachloroethane	ND		250	240	96	238	95	1	82-111/8
107-12-0	Propionitrile	ND		2500	2420	97	2630	105	8	69-119/12
103-65-1	n-Propylbenzene	ND		250	243	97	240	96	1	86-125/10
100-42-5	Styrene	ND		250	243	97	243	97	0	78-118/11
630-20-6	1,1,1,2-Tetrachloroethane	ND		250	241	96	236	94	2	81-119/10
71-55-6	1,1,1-Trichloroethane	ND		250	258	103	247	99	4	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		250	234	94	249	100	6	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		250	232	93	234	94	1	80-114/11
87-61-6	1,2,3-Trichlorobenzene	ND		250	236	94	237	95	0	64-126/16
96-18-4	1,2,3-Trichloropropane	ND		250	207	83	223	89	7	77-115/12
120-82-1	1,2,4-Trichlorobenzene	ND		250	242	97	239	96	1	68-123/11

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61712
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61683-2MS	F032437.D	10	12/03/08	AJ	n/a	n/a	VF814
F61683-2MSD	F032438.D	10	12/03/08	AJ	n/a	n/a	VF814
F61683-2	F032436.D	10	12/03/08	AJ	n/a	n/a	VF814

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61712-1, F61712-2, F61712-3

CAS No.	Compound	F61683-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		250	244	98	243	97	0	82-120/10
108-67-8	1,3,5-Trimethylbenzene	ND		250	245	98	242	97	1	83-123/10
127-18-4	Tetrachloroethylene	ND		250	230	92	226	90	2	80-131/12
108-88-3	Toluene	ND		250	237	95	235	94	1	86-116/10
79-01-6	Trichloroethylene	ND		250	235	94	227	91	3	85-124/10
75-69-4	Trichlorofluoromethane	ND		250	270	108	244	98	10	66-156/15
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		250	226	90	239	96	6	51-137/24
75-01-4	Vinyl chloride	ND		250	224	90	220	88	2	57-153/22
108-05-4	Vinyl Acetate	ND		1250	1410	113	1470	118	4	38-159/11
	m,p-Xylene	ND		500	494	99	479	96	3	86-121/10
95-47-6	o-Xylene	ND		250	245	98	242	97	1	83-121/10

CAS No.	Surrogate Recoveries	MS	MSD	F61683-2	Limits
1868-53-7	Dibromofluoromethane	104%	104%	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	107%	107%	107%	76-127%
2037-26-5	Toluene-D8	97%	98%	103%	86-112%
460-00-4	4-Bromofluorobenzene	97%	98%	99%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61712
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61745-1MS	F032468.D	1	12/04/08	SH	n/a	n/a	VF815
F61745-1MSD	F032469.D	1	12/04/08	SH	n/a	n/a	VF815
F61745-1	F032457.D	1	12/04/08	SH	n/a	n/a	VF815

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61712-1, F61712-2

CAS No.	Compound	F61745-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		25	24.7	99	24.1	96	2	83-124/11

CAS No.	Surrogate Recoveries	MS	MSD	F61745-1	Limits
1868-53-7	Dibromofluoromethane	104%	105%	107%	87-116%
17060-07-0	1,2-Dichloroethane-D4	112%	110%	110%	76-127%
2037-26-5	Toluene-D8	98%	98%	102%	86-112%
460-00-4	4-Bromofluorobenzene	96%	97%	99%	84-120%

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61712
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV1896-MB	UV033008.D	1	12/04/08	AH	n/a	n/a	GUV1896

The QC reported here applies to the following samples: **Method:** SW846 8015

F61712-1, F61712-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	81%	57-129%
98-08-8	aaa-Trifluorotoluene	83%	58-120%

Blank Spike Summary

Job Number: F61712
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV1896-BS	UV033007.D	1	12/04/08	AH	n/a	n/a	GUV1896

The QC reported here applies to the following samples: **Method:** SW846 8015

F61712-1, F61712-2

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	0.4	0.361	90	75-129

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	93%	57-129%
98-08-8	aaa-Trifluorotoluene	91%	58-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61712
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61712-2MS	UV033025.D	2	12/05/08	AH	n/a	n/a	GUV1896
F61712-2MSD	UV033027.D	2	12/05/08	AH	n/a	n/a	GUV1896
F61712-2 [a]	UV033010.D	2	12/04/08	AH	n/a	n/a	GUV1896

The QC reported here applies to the following samples: **Method:** SW846 8015

F61712-1, F61712-2

CAS No.	Compound	F61712-2 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	0.709		0.8	1.16	56*	1.14	54*	2	75-129/13

CAS No.	Surrogate Recoveries	MS	MSD	F61712-2	Limits
460-00-4	4-Bromofluorobenzene	87%	84%	87%	57-129%
98-08-8	aaa-Trifluorotoluene	106%	103%	115%	58-120%

(a) Sample re-analyzed beyond hold time; reported results are considered minimum values.

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61712
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27251-MB	LL24121.D	1	11/26/08	ME	11/24/08	OP27251	GLL904

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61712-1, F61712-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.25	0.10	mg/l	
	TPH (> C22-C36)	ND	0.25	0.10	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	98%	42-114%

Blank Spike Summary

Job Number: F61712
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27251-BS	LL24120.D	1	11/26/08	ME	11/24/08	OP27251	GLL904

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61712-1, F61712-2

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH (C10-C22)	1	0.600	60	60-140
	TPH (> C22-C36)	1	0.793	79	60-140

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	65%	42-114%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61712
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27251-MS	LL24124.D	1	11/26/08	ME	11/24/08	OP27251	GLL904
OP27251-MSD	LL24125.D	1	11/26/08	ME	11/24/08	OP27251	GLL904
F61683-2	LL24123.D	1	11/26/08	ME	11/24/08	OP27251	GLL904

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61712-1, F61712-2

CAS No.	Compound	F61683-2 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	0.283		1.92	1.95	87	2.19	99	12	60-140/30
	TPH (> C22-C36)	0.101	J	1.92	2.09	103	2.20	109	5	60-140/30

CAS No.	Surrogate Recoveries	MS	MSD	F61683-2	Limits
84-15-1	o-Terphenyl	93%	100%	99%	42-114%

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: F61712
Account: NWIDIF - North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Solids, Total Dissolved	GN32930	100	<100	mg/l				

Associated Samples:
Batch GN32930: F61712-1, F61712-2
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: F61712
Account: NWIDIF - North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Solids, Total Dissolved	GN32930	F61683-2	mg/l	3700	4300	15.0*	0-5%

Associated Samples:
Batch GN32930: F61712-1, F61712-2
(*) Outside of QC limits

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/15/08

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F61715

Sampling Date: 11/20/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **48**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Sections: 1 2 3 4 5 6 7 8

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F61715-1: SS61-MW06 7
3.2: F61715-2: SS61-TMW69 13
3.3: F61715-3: TRIP BLANK 18
Section 4: Misc. Forms **21**
4.1: Certification Exceptions 22
4.2: Chain of Custody 23
Section 5: GC/MS Volatiles - QC Data Summaries **25**
5.1: Method Blank Summary 26
5.2: Blank Spike Summary 30
5.3: Matrix Spike/Matrix Spike Duplicate Summary 34
Section 6: GC Volatiles - QC Data Summaries **38**
6.1: Method Blank Summary 39
6.2: Blank Spike Summary 40
6.3: Matrix Spike/Matrix Spike Duplicate Summary 41
Section 7: GC Semi-volatiles - QC Data Summaries **42**
7.1: Method Blank Summary 43
7.2: Blank Spike Summary 44
7.3: Matrix Spike/Matrix Spike Duplicate Summary 45
Section 8: General Chemistry - QC Data Summaries **46**
8.1: Method Blank and Spike Results Summary 47
8.2: Duplicate Results Summary 48

Sample Summary

North Wind, Inc

Job No: F61715

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F61715-1	11/20/08	10:40	DM	11/21/08	AQ	Ground Water	SS61-MW06
F61715-2	11/20/08	12:30	DM	11/21/08	AQ	Ground Water	SS61-TMW69
F61715-3	11/20/08	00:00	DM	11/21/08	AQ	Trip Blank Water	TRIP BLANK

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F61715

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/10/2008 8:45:25

2 Samples, 1 Trip Blank were collected on 11/20/2008 and received at Accutest on 11/21/2008 properly preserved, at 2.4 Deg. C and intact. These Samples received an Accutest job number of F61715. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VF815

All method blanks for this batch meet method specific criteria.

Sample(s) F61745-1MS, F61745-1MSD were used as the QC samples indicated.

The following samples were run outside of holding time for method SW846 8260B: F61715-2, F61715-3, F61715-1, F61715-2

BS/MS/MSD Recovery(s) for Acrolein are outside control limits.

Matrix Spike Recovery(s) for 1,2-Dibromo-3-chloropropane, 2-Chloroethyl vinyl ether, 4-Methyl-2-pentanone, Acrylonitrile are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 2-Chloroethyl vinyl ether are outside control limits. Probable cause due to matrix interference.

F61715-1: Sample was not preserved to a pH < 2.

F61715-1 for Acrolein: CCV outside of control limits; results may be biased low.

F61715-3 for Acrolein: CCV and BS outside of control limits; results may be biased low.

F61715-2 for Acrolein: CCV outside of control limits; results may be biased low.

Matrix: AQ **Batch ID:** VF816

Sample(s) F61779-9MS, F61779-9MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

The following samples were run outside of holding time for method SW846 8260B: F61715-1, F61715-2 Sample vial(s) contained significant headspace. Sample re-analyzed beyond hold time. Reported results are considered minimum values.

F61715-2: Sample vial(s) contained significant headspace. Sample re-analyzed beyond hold time. Reported results are considered minimum values.

F61715-1: Sample vial(s) contained significant headspace. Sample re-analyzed beyond hold time. Reported results are considered minimum values.

Volatiles by GC By Method SW846 8015

Matrix: AQ **Batch ID:** GUV1896

All method blanks for this batch meet method specific criteria.

Sample(s) F61712-2MS, F61712-2MSD were used as the QC samples indicated.

MS/MSD Recovery(s) for TPH-GRO (C6-C10) are outside control limits. Probable cause due to matrix interference.

Extractables by GC By Method SW846 8015 M

Matrix: AQ **Batch ID:** OP27251

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F61683-2MS, F61683-2MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

F61715-1 for TPH (C10-C22): Petroleum hydrocarbon pattern begins before C10.

F61715-2 for TPH (C10-C22): Petroleum hydrocarbon pattern begins before C10.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN32930

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61683-2DUP were used as the QC samples for Solids, Total Dissolved.

RPD(s) for Duplicate for Solids, Total Dissolved are outside control limits for sample GN32930-D1. Probable cause due to sample homogeneity.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____

Svetlana Izosimova, QAO (signature on file)

Date: December 10, 2008

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-MW06		
Lab Sample ID:	F61715-1	**Date Sampled:**	11/20/08
Matrix:	AQ - Ground Water	**Date Received:**	11/21/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	F032462.D	1	12/04/08	SH	n/a	n/a	VF815
Run #2 [b]	F032493.D	50	12/05/08	SH	n/a	n/a	VF816

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein [c]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	3460 [d]	50	20	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	5.7	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	3.5	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	9.1	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW06		
Lab Sample ID:	F61715-1	**Date Sampled:**	11/20/08
Matrix:	AQ - Ground Water	**Date Received:**	11/21/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	47.3	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	543 [d]	50	10	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	70.8	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	3.8	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW06		
Lab Sample ID:	F61715-1	**Date Sampled:**	11/20/08
Matrix:	AQ - Ground Water	**Date Received:**	11/21/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	66.3	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	1.4	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	67.8	2.0	0.78	ug/l	
95-47-6	o-Xylene	14.4	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	105%	107%	76-127%
2037-26-5	Toluene-D8	102%	102%	86-112%
460-00-4	4-Bromofluorobenzene	96%	98%	84-120%

(a) Sample was not preserved to a pH < 2.
(b) Sample vial(s) contained significant headspace. Sample re-analyzed beyond hold time. Reported results are considered minimum values.
(c) CCV outside of control limits; results may be biased low.
(d) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW06		
Lab Sample ID:	F61715-1	**Date Sampled:**	11/20/08
Matrix:	AQ - Ground Water	**Date Received:**	11/21/08
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV033011.D	10	12/04/08	AH	n/a	n/a	GUV1896
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	7.33	1.0	0.50	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	83%		57-129%
98-08-8	aaa-Trifluorotoluene	90%		58-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW06		
Lab Sample ID:	F61715-1	**Date Sampled:**	11/20/08
Matrix:	AQ - Ground Water	**Date Received:**	11/21/08
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24128.D	1	11/26/08	ME	11/24/08	OP27251	GLL904
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22) [a]	0.467	0.24	0.096	mg/l	
	TPH (> C22-C36)	0.105	0.24	0.096	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	77%		42-114%

(a) Petroleum hydrocarbon pattern begins before C10.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW06		
Lab Sample ID:	F61715-1	**Date Sampled:**	11/20/08
Matrix:	AQ - Ground Water	**Date Received:**	11/21/08
		Percent Solids:	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	16100	100	10	mg/l	1	11/22/08 09:30	LE	SM19 2540C

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-TMW69		
Lab Sample ID:	F61715-2	**Date Sampled:**	11/20/08
Matrix:	AQ - Ground Water	**Date Received:**	11/21/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F032463.D	1	12/04/08	SH	n/a	n/a	VF815
Run #2 [a]	F032494.D	50	12/05/08	SH	n/a	n/a	VF816

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein [b]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	1710 [c]	50	20	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	6.1	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	3.6	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	9.3	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW69		
Lab Sample ID:	F61715-2	**Date Sampled:**	11/20/08
Matrix:	AQ - Ground Water	**Date Received:**	11/21/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	221 [c]	50	22	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	1180 [c]	50	10	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	50.2	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	10.1	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW69		
Lab Sample ID:	F61715-2	**Date Sampled:**	11/20/08
Matrix:	AQ - Ground Water	**Date Received:**	11/21/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	28.7	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	9.0	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	3.1	2.0	0.78	ug/l	
95-47-6	o-Xylene	0.71	1.0	0.37	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	107%	110%	76-127%
2037-26-5	Toluene-D8	104%	101%	86-112%
460-00-4	4-Bromofluorobenzene	95%	99%	84-120%

(a) Sample vial(s) contained significant headspace. Sample re-analyzed beyond hold time. Reported results are considered minimum values.
(b) CCV outside of control limits; results may be biased low.
(c) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW69		
Lab Sample ID:	F61715-2	**Date Sampled:**	11/20/08
Matrix:	AQ - Ground Water	**Date Received:**	11/21/08
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV033012.D	10	12/04/08	AH	n/a	n/a	GUV1896
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	3.37	1.0	0.50	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	81%		57-129%
98-08-8	aaa-Trifluorotoluene	85%		58-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW69		
Lab Sample ID:	F61715-2	**Date Sampled:**	11/20/08
Matrix:	AQ - Ground Water	**Date Received:**	11/21/08
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24129.D	1	11/26/08	ME	11/24/08	OP27251	GLL904
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22) [a]	0.330	0.24	0.096	mg/l	
	TPH (> C22-C36)	0.144	0.24	0.096	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	78%		42-114%

(a) Petroleum hydrocarbon pattern begins before C10.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61715-3	**Date Sampled:**	11/20/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	11/21/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F032475.D	1	12/04/08	SH	n/a	n/a	VF815
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein [a]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61715-3	**Date Sampled:**	11/20/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	11/21/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61715-3	**Date Sampled:**	11/20/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	11/21/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	ND	2.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		87-116%
17060-07-0	1,2-Dichloroethane-D4	111%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	99%		84-120%

(a) CCV and BS outside of control limits; results may be biased low.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

Parameter Certification Exceptions

Job Number: F61715
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

The following parameters included in this report are exceptions to NELAC certification.
The certification status of each is indicated below.

Parameter	CAS#	Method	Mat	Certification Status
Freon 113	76-13-1	**SW846 8260B**	AQ	Certified by SOP MS005

F61715

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

Page 1 of 1

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number [1]: 11-20-2008-4

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Dusty McNeil

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)					Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
1	SS61-MW06	SS61-MW06	20-Nov-2008	1040	-	N	01	WG	7	X	X	X	X								4
2	SS61-TMW69	SS61-TMW69	20-Nov-2008	1230	-	N	01	WG	6	X	X	X									4
3	Trip Blank				-	TB		WQ	2	X											4
					-																
					-																
					-																
					-																
					-																
					-																
					-																
					-																

Sample Analysis Requested [5] | Quality Assurance Samples [6]

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

Custody Transfers Prior to Receipt by Laboratory

	Relinquished by (Signed)	Date	Time		Received by (signed)	Date	Time
1.		11/20/08	1400	1.			
2.				2.		11-21-08	09:00
3.				3.			

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: _____ Shipped No.: _____

Method of Shipment: _____ Airbill Number: _____

Analytical Lab: Accutest Laboratories Delivery Location: _____

Lab Recipient: _____ Delivery Date/Time: _____

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a)Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

2.4

4.2 4

F61715: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61715 CLIENT: Bhate PROJECT: SS-61

DATE/TIME RECEIVED: 11.21.08 09:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.4

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8668 3474 8591

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [X] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? Ø

NUMBER OF 5035 FIELD KITS ? Ø

NUMBER OF LAB FILTERED METALS ? Ø

SUMMARY OF COMMENTS: only recieved 2 vials (BLOU)(GRO) per sample

TECHNICIAN SIGNATURE/DATE E.T. 11-26-08 TECHNICIAN SIGNATURE/DATE JC 11-21-08 ASBD 12/17/07

4.2 4

F61715: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61715
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF815-MB	F032455.D	1	12/04/08	SH	n/a	n/a	VF815

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61715-1, F61715-2, F61715-3

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

Method Blank Summary

Job Number: F61715
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF815-MB	F032455.D	1	12/04/08	SH	n/a	n/a	VF815

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61715-1, F61715-2, F61715-3

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

Method Blank Summary

Job Number: F61715
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF815-MB	F032455.D	1	12/04/08	SH	n/a	n/a	VF815

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61715-1, F61715-2, F61715-3

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	ND	2.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	105%	76-127%
2037-26-5	Toluene-D8	102%	86-112%
460-00-4	4-Bromofluorobenzene	99%	84-120%

Method Blank Summary

Job Number: F61715
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF816-MB	F032484.D	1	12/05/08	SH	n/a	n/a	VF816

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61715-1, F61715-2

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.40	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	106%	76-127%
2037-26-5	Toluene-D8	104%	86-112%
460-00-4	4-Bromofluorobenzene	99%	84-120%

Blank Spike Summary

Job Number: F61715
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF815-BS	F032454.D	1	12/04/08	SH	n/a	n/a	VF815

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61715-1, F61715-2, F61715-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	108	86	59-134
75-05-8	Acetonitrile	250	264	106	57-123
107-02-8	Acrolein	125	11.3	9*	33-157
107-13-1	Acrylonitrile	125	145	116	62-124
107-05-1	Allyl chloride	25	18.9	76	48-136
71-43-2	Benzene	25	23.8	95	83-124
100-44-7	Benzyl Chloride	25	23.2	93	61-118
108-86-1	Bromobenzene	25	22.9	92	83-115
74-97-5	Bromochloromethane	25	20.1	80	78-112
75-27-4	Bromodichloromethane	25	23.5	94	76-116
75-25-2	Bromoform	25	23.8	95	68-128
104-51-8	n-Butylbenzene	25	24.8	99	84-124
135-98-8	sec-Butylbenzene	25	25.1	100	86-127
98-06-6	tert-Butylbenzene	25	25.0	100	83-126
108-90-7	Chlorobenzene	25	23.7	95	87-115
75-00-3	Chloroethane	25	25.0	100	54-166
67-66-3	Chloroform	25	24.8	99	85-123
544-10-5	1-Chlorohexane	25	24.5	98	87-128
95-49-8	o-Chlorotoluene	25	24.1	96	84-121
106-43-4	p-Chlorotoluene	25	23.9	96	84-120
110-75-8	2-Chloroethyl vinyl ether	125	156	125	63-125
75-15-0	Carbon disulfide	25	20.0	80	67-147
56-23-5	Carbon tetrachloride	25	25.3	101	74-139
75-34-3	1,1-Dichloroethane	25	24.9	100	82-127
75-35-4	1,1-Dichloroethylene	25	25.7	103	75-133
563-58-6	1,1-Dichloropropene	25	23.3	93	87-127
96-12-8	1,2-Dibromo-3-chloropropane	25	26.6	106	61-118
106-93-4	1,2-Dibromoethane	25	22.8	91	80-115
107-06-2	1,2-Dichloroethane	25	23.9	96	76-122
78-87-5	1,2-Dichloropropane	25	23.5	94	81-120
142-28-9	1,3-Dichloropropane	25	22.9	92	81-113
594-20-7	2,2-Dichloropropane	25	25.5	102	77-138
124-48-1	Dibromochloromethane	25	23.5	94	74-116
75-71-8	Dichlorodifluoromethane	25	14.6	58	34-158
156-59-2	cis-1,2-Dichloroethylene	25	21.9	88	81-114
10061-01-5	cis-1,3-Dichloropropene	25	24.5	98	83-119

Blank Spike Summary

Job Number: F61715
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF815-BS	F032454.D	1	12/04/08	SH	n/a	n/a	VF815

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61715-1, F61715-2, F61715-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	25	22.3	89	41-130
541-73-1	m-Dichlorobenzene	25	23.6	94	86-115
95-50-1	o-Dichlorobenzene	25	24.1	96	85-115
106-46-7	p-Dichlorobenzene	25	23.5	94	87-113
156-60-5	trans-1,2-Dichloroethylene	25	25.5	102	82-126
10061-02-6	trans-1,3-Dichloropropene	25	25.7	103	87-123
100-41-4	Ethylbenzene	25	23.9	96	87-118
97-63-2	Ethyl methacrylate	25	22.8	91	68-110
76-13-1	Freon 113	25	22.3	89	74-139
591-78-6	2-Hexanone	125	116	93	58-125
87-68-3	Hexachlorobutadiene	25	28.8	115	71-133
110-54-3	Hexane	25	28.0	112	71-134
98-82-8	Isopropylbenzene	25	25.2	101	87-131
99-87-6	p-Isopropyltoluene	25	25.2	101	83-125
108-10-1	4-Methyl-2-pentanone	125	125	100	62-125
126-98-7	Methacrylonitrile	250	242	97	62-133
74-83-9	Methyl bromide	25	23.8	95	55-151
74-87-3	Methyl chloride	25	21.3	85	55-173
74-88-4	Methyl iodide	25	19.2	77	72-125
80-62-6	Methyl methacrylate	25	24.0	96	63-115
74-95-3	Methylene bromide	25	24.0	96	81-116
75-09-2	Methylene chloride	25	25.1	100	69-125
78-93-3	Methyl ethyl ketone	125	108	86	61-127
1634-04-4	Methyl Tert Butyl Ether	25	22.6	90	75-116
91-20-3	Naphthalene	25	25.4	102	59-125
76-01-7	Pentachloroethane	25	24.2	97	82-111
107-12-0	Propionitrile	250	264	106	69-119
103-65-1	n-Propylbenzene	25	24.4	98	86-125
100-42-5	Styrene	25	24.4	98	78-118
630-20-6	1,1,1,2-Tetrachloroethane	25	23.7	95	81-119
71-55-6	1,1,1-Trichloroethane	25	25.3	101	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	24.3	97	71-120
79-00-5	1,1,2-Trichloroethane	25	23.5	94	80-114
87-61-6	1,2,3-Trichlorobenzene	25	24.7	99	64-126
96-18-4	1,2,3-Trichloropropane	25	22.0	88	77-115
120-82-1	1,2,4-Trichlorobenzene	25	24.8	99	68-123

Blank Spike Summary

Job Number: F61715
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF815-BS	F032454.D	1	12/04/08	SH	n/a	n/a	VF815

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61715-1, F61715-2, F61715-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	25	24.2	97	82-120
108-67-8	1,3,5-Trimethylbenzene	25	24.7	99	83-123
127-18-4	Tetrachloroethylene	25	23.7	95	80-131
108-88-3	Toluene	25	23.9	96	86-116
79-01-6	Trichloroethylene	25	23.0	92	85-124
75-69-4	Trichlorofluoromethane	25	26.2	105	66-156
110-57-6	Trans-1,4-Dichloro-2-Butene	25	25.1	100	51-137
75-01-4	Vinyl chloride	25	22.5	90	57-153
108-05-4	Vinyl Acetate	125	170	136	38-159
	m,p-Xylene	50	48.9	98	86-121
95-47-6	o-Xylene	25	24.2	97	83-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	107%	76-127%
2037-26-5	Toluene-D8	100%	86-112%
460-00-4	4-Bromofluorobenzene	99%	84-120%

Blank Spike Summary

Job Number: F61715
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF816-BS	F032483.D	1	12/05/08	SH	n/a	n/a	VF816

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61715-1, F61715-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	24.7	99	83-124
100-41-4	Ethylbenzene	25	24.5	98	87-118
98-82-8	Isopropylbenzene	25	26.3	105	87-131

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	108%	76-127%
2037-26-5	Toluene-D8	101%	86-112%
460-00-4	4-Bromofluorobenzene	96%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61715
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61745-1MS	F032468.D	1	12/04/08	SH	n/a	n/a	VF815
F61745-1MSD	F032469.D	1	12/04/08	SH	n/a	n/a	VF815
F61745-1	F032457.D	1	12/04/08	SH	n/a	n/a	VF815

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61715-1, F61715-2, F61715-3

CAS No.	Compound	F61745-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	83.0	66	74.8	60	10	59-134/14
75-05-8	Acetonitrile	ND		250	260	104	223	89	15	57-123/15
107-02-8	Acrolein	ND		125	8.1	6*	9.1	7*	12	33-157/21
107-13-1	Acrylonitrile	ND		125	161	129*	148	118	8	62-124/13
107-05-1	Allyl chloride	ND		25	18.7	75	18.2	73	3	48-136/13
71-43-2	Benzene	ND		25	24.7	99	24.1	96	2	83-124/11
100-44-7	Benzyl Chloride	ND		25	24.7	99	22.9	92	8	61-118/12
108-86-1	Bromobenzene	ND		25	22.7	91	22.7	91	0	83-115/10
74-97-5	Bromochloromethane	ND		25	21.0	84	21.0	84	0	78-112/10
75-27-4	Bromodichloromethane	ND		25	24.1	96	23.5	94	3	76-116/10
75-25-2	Bromoform	ND		25	25.9	104	24.4	98	6	68-128/11
104-51-8	n-Butylbenzene	ND		25	24.7	99	23.8	95	4	84-124/10
135-98-8	sec-Butylbenzene	ND		25	24.5	98	23.7	95	3	86-127/10
98-06-6	tert-Butylbenzene	ND		25	25.0	100	24.4	98	2	83-126/10
108-90-7	Chlorobenzene	ND		25	23.8	95	23.4	94	2	87-115/9
75-00-3	Chloroethane	ND		25	26.2	105	25.1	100	4	54-166/20
67-66-3	Chloroform	ND		25	26.1	104	26.0	104	0	85-123/10
544-10-5	1-Chlorohexane	ND		25	23.8	95	22.7	91	5	87-128/10
95-49-8	o-Chlorotoluene	ND		25	23.8	95	23.4	94	2	84-121/10
106-43-4	p-Chlorotoluene	ND		25	23.5	94	23.1	92	2	84-120/10
110-75-8	2-Chloroethyl vinyl ether	ND		125	ND	0*	ND	0*	nc	63-125/24
75-15-0	Carbon disulfide	ND		25	20.2	81	19.1	76	6	67-147/12
56-23-5	Carbon tetrachloride	ND		25	26.3	105	24.1	96	9	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	25.7	103	25.1	100	2	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	27.4	110	24.1	96	13	75-133/13
563-58-6	1,1-Dichloropropene	ND		25	23.7	95	23.1	92	3	87-127/10
96-12-8	1,2-Dibromo-3-chloropropane	ND		25	30.1	120*	27.2	109	10	61-118/15
106-93-4	1,2-Dibromoethane	ND		25	23.6	94	22.7	91	4	80-115/10
107-06-2	1,2-Dichloroethane	15.9		25	40.7	99	39.8	96	2	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	23.6	94	23.3	93	1	81-120/11
142-28-9	1,3-Dichloropropane	ND		25	23.5	94	22.9	92	3	81-113/11
594-20-7	2,2-Dichloropropane	ND		25	25.7	103	24.4	98	5	77-138/12
124-48-1	Dibromochloromethane	ND		25	24.2	97	23.5	94	3	74-116/11
75-71-8	Dichlorodifluoromethane	ND		25	15.1	60	14.3	57	5	34-158/22
156-59-2	cis-1,2-Dichloroethylene	ND		25	22.5	90	22.2	89	1	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	23.2	93	23.0	92	1	83-119/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61715
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61745-1MS	F032468.D	1	12/04/08	SH	n/a	n/a	VF815
F61745-1MSD	F032469.D	1	12/04/08	SH	n/a	n/a	VF815
F61745-1	F032457.D	1	12/04/08	SH	n/a	n/a	VF815

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61715-1, F61715-2, F61715-3

CAS No.	Compound	F61745-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		25	23.7	95	21.5	86	10	41-130/33
541-73-1	m-Dichlorobenzene	ND		25	23.9	96	23.5	94	2	86-115/9
95-50-1	o-Dichlorobenzene	ND		25	24.3	97	24.1	96	1	85-115/9
106-46-7	p-Dichlorobenzene	ND		25	23.7	95	23.4	94	1	87-113/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	26.1	104	25.8	103	1	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	26.0	104	25.4	102	2	87-123/10
100-41-4	Ethylbenzene	ND		25	24.0	96	23.3	93	3	87-118/10
97-63-2	Ethyl methacrylate	ND		25	25.0	100	23.9	96	4	68-110/11
76-13-1	Freon 113	ND		25	23.7	95	20.8	83	13	74-139/13
591-78-6	2-Hexanone	ND		125	148	118	129	103	14	58-125/14
87-68-3	Hexachlorobutadiene	ND		25	26.9	108	26.2	105	3	71-133/12
110-54-3	Hexane	ND		25	29.3	117	27.6	110	6	71-134/11
98-82-8	Isopropylbenzene	ND		25	25.5	102	24.5	98	4	87-131/10
99-87-6	p-Isopropyltoluene	ND		25	24.8	99	24.2	97	2	83-125/9
108-10-1	4-Methyl-2-pentanone	ND		125	166	133*	148	118	11	62-125/13
126-98-7	Methacrylonitrile	ND		250	264	106	241	96	9	62-133/17
74-83-9	Methyl bromide	ND		25	24.3	97	24.0	96	1	55-151/21
74-87-3	Methyl chloride	ND		25	20.6	82	20.6	82	0	55-173/22
74-88-4	Methyl iodide	ND		25	19.3	77	19.0	76	2	72-125/11
80-62-6	Methyl methacrylate	ND		25	25.9	104	24.0	96	8	63-115/10
74-95-3	Methylene bromide	ND		25	24.8	99	24.2	97	2	81-116/10
75-09-2	Methylene chloride	ND		25	25.9	104	25.7	103	1	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	104	83	93.4	75	11	61-127/13
1634-04-4	Methyl Tert Butyl Ether	ND		25	23.7	95	23.2	93	2	75-116/10
91-20-3	Naphthalene	ND		25	27.7	111	26.4	106	5	59-125/15
76-01-7	Pentachloroethane	ND		25	24.0	96	23.7	95	1	82-111/8
107-12-0	Propionitrile	ND		250	285	114	255	102	11	69-119/12
103-65-1	n-Propylbenzene	ND		25	23.8	95	23.3	93	2	86-125/10
100-42-5	Styrene	ND		25	24.2	97	23.7	95	2	78-118/11
630-20-6	1,1,1,2-Tetrachloroethane	ND		25	24.3	97	23.8	95	2	81-119/10
71-55-6	1,1,1-Trichloroethane	ND		25	26.2	105	24.9	100	5	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	26.6	106	25.1	100	6	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	24.5	98	23.3	93	5	80-114/11
87-61-6	1,2,3-Trichlorobenzene	ND		25	24.2	97	24.3	97	0	64-126/16
96-18-4	1,2,3-Trichloropropane	ND		25	23.9	96	22.4	90	6	77-115/12
120-82-1	1,2,4-Trichlorobenzene	ND		25	24.2	97	24.4	98	1	68-123/11

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61715
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61745-1MS	F032468.D	1	12/04/08	SH	n/a	n/a	VF815
F61745-1MSD	F032469.D	1	12/04/08	SH	n/a	n/a	VF815
F61745-1	F032457.D	1	12/04/08	SH	n/a	n/a	VF815

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61715-1, F61715-2, F61715-3

CAS No.	Compound	F61745-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		25	24.2	97	23.8	95	2	82-120/10
108-67-8	1,3,5-Trimethylbenzene	ND		25	24.3	97	23.5	94	3	83-123/10
127-18-4	Tetrachloroethylene	ND		25	23.2	93	22.5	90	3	80-131/12
108-88-3	Toluene	ND		25	23.6	94	23.3	93	1	86-116/10
79-01-6	Trichloroethylene	ND		25	23.2	93	22.7	91	2	85-124/10
75-69-4	Trichlorofluoromethane	ND		25	28.7	115	26.2	105	9	66-156/15
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		25	27.6	110	25.3	101	9	51-137/24
75-01-4	Vinyl chloride	ND		25	22.3	89	21.9	88	2	57-153/22
108-05-4	Vinyl Acetate	ND		125	180	144	171	137	5	38-159/11
	m,p-Xylene	ND		50	49.1	98	47.9	96	2	86-121/10
95-47-6	o-Xylene	ND		25	24.4	98	24.0	96	2	83-121/10

CAS No.	Surrogate Recoveries	MS	MSD	F61745-1	Limits
1868-53-7	Dibromofluoromethane	104%	105%	107%	87-116%
17060-07-0	1,2-Dichloroethane-D4	112%	110%	110%	76-127%
2037-26-5	Toluene-D8	98%	98%	102%	86-112%
460-00-4	4-Bromofluorobenzene	96%	97%	99%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61715
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61779-9MS	F032491.D	1	12/05/08	SH	n/a	n/a	VF816
F61779-9MSD	F032492.D	1	12/05/08	SH	n/a	n/a	VF816
F61779-9	F032488.D	1	12/05/08	SH	n/a	n/a	VF816

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61715-1, F61715-2

CAS No.	Compound	F61779-9 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		25	24.6	98	23.6	94	4	83-124/11
100-41-4	Ethylbenzene	ND		25	24.8	99	23.0	92	8	87-118/10
98-82-8	Isopropylbenzene	ND		25	25.7	103	23.7	95	8	87-131/10

CAS No.	Surrogate Recoveries	MS	MSD	F61779-9	Limits
1868-53-7	Dibromofluoromethane	100%	102%	110%	87-116%
17060-07-0	1,2-Dichloroethane-D4	111%	109%	113%	76-127%
2037-26-5	Toluene-D8	101%	99%	101%	86-112%
460-00-4	4-Bromofluorobenzene	99%	97%	96%	84-120%

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61715
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV1896-MB	UV033008.D	1	12/04/08	AH	n/a	n/a	GUV1896

The QC reported here applies to the following samples: **Method:** SW846 8015

F61715-1, F61715-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	81%	57-129%
98-08-8	aaa-Trifluorotoluene	83%	58-120%

Blank Spike Summary

Job Number: F61715
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV1896-BS	UV033007.D	1	12/04/08	AH	n/a	n/a	GUV1896

The QC reported here applies to the following samples: **Method:** SW846 8015

F61715-1, F61715-2

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	0.4	0.361	90	75-129

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	93%	57-129%
98-08-8	aaa-Trifluorotoluene	91%	58-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61715
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61712-2MS	UV033025.D	2	12/05/08	AH	n/a	n/a	GUV1896
F61712-2MSD	UV033027.D	2	12/05/08	AH	n/a	n/a	GUV1896
F61712-2 [a]	UV033010.D	2	12/04/08	AH	n/a	n/a	GUV1896

The QC reported here applies to the following samples: **Method:** SW846 8015

F61715-1, F61715-2

CAS No.	Compound	F61712-2 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	0.709		0.8	1.16	56*	1.14	54*	2	75-129/13

CAS No.	Surrogate Recoveries	MS	MSD	F61712-2	Limits
460-00-4	4-Bromofluorobenzene	87%	84%	87%	57-129%
98-08-8	aaa-Trifluorotoluene	106%	103%	115%	58-120%

(a) Sample re-analyzed beyond hold time; reported results are considered minimum values.

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61715
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27251-MB	LL24121.D	1	11/26/08	ME	11/24/08	OP27251	GLL904

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61715-1, F61715-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.25	0.10	mg/l	
	TPH (> C22-C36)	ND	0.25	0.10	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	98%	42-114%

Blank Spike Summary

Job Number: F61715
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27251-BS	LL24120.D	1	11/26/08	ME	11/24/08	OP27251	GLL904

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61715-1, F61715-2

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH (C10-C22)	1	0.600	60	60-140
	TPH (> C22-C36)	1	0.793	79	60-140

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	65%	42-114%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61715
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27251-MS	LL24124.D	1	11/26/08	ME	11/24/08	OP27251	GLL904
OP27251-MSD	LL24125.D	1	11/26/08	ME	11/24/08	OP27251	GLL904
F61683-2	LL24123.D	1	11/26/08	ME	11/24/08	OP27251	GLL904

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61715-1, F61715-2

CAS No.	Compound	F61683-2 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	0.283		1.92	1.95	87	2.19	99	12	60-140/30
	TPH (> C22-C36)	0.101	J	1.92	2.09	103	2.20	109	5	60-140/30

CAS No.	Surrogate Recoveries	MS	MSD	F61683-2	Limits
84-15-1	o-Terphenyl	93%	100%	99%	42-114%

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: F61715
Account: NWIDIF - North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Solids, Total Dissolved	GN32930	100	<100	mg/l				

Associated Samples:
Batch GN32930: F61715-1
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: F61715
Account: NWIDIF - North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Solids, Total Dissolved	GN32930	F61683-2	mg/l	3700	4300	15.0*	0-5%

Associated Samples:
Batch GN32930: F61715-1
(*) Outside of QC limits

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/15/08

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F61745

Sampling Date: 11/21/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **48**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Note: This report is password protected to disallow document modification or assembly.
A password to unlock this report is available from your client service representative.

Sections: 1 2 3 4 5 6 7 8

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F61745-1: MW 29-08 7
3.2: F61745-2: SS61-TMW61 13
3.3: F61745-3: TRIP BLANK 18
Section 4: Misc. Forms **21**
4.1: Certification Exceptions 22
4.2: Chain of Custody 23
Section 5: GC/MS Volatiles - QC Data Summaries **25**
5.1: Method Blank Summary 26
5.2: Blank Spike Summary 29
5.3: Matrix Spike/Matrix Spike Duplicate Summary 32
Section 6: GC Volatiles - QC Data Summaries **35**
6.1: Method Blank Summary 36
6.2: Blank Spike Summary 38
6.3: Matrix Spike/Matrix Spike Duplicate Summary 40
Section 7: GC Semi-volatiles - QC Data Summaries **42**
7.1: Method Blank Summary 43
7.2: Blank Spike Summary 44
7.3: Matrix Spike/Matrix Spike Duplicate Summary 45
Section 8: General Chemistry - QC Data Summaries **46**
8.1: Method Blank and Spike Results Summary 47
8.2: Duplicate Results Summary 48

Sample Summary

North Wind, Inc

Job No: F61745

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F61745-1	11/21/08	09:20	DM	11/22/08	AQ	Ground Water	MW 29-08
F61745-2	11/21/08	11:35	DM	11/22/08	AQ	Ground Water	SS61-TMW61
F61745-3	11/21/08	00:00	DM	11/22/08	AQ	Trip Blank Water	TRIP BLANK

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F61745

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/15/2008 3:20:06

2 Samples, 1 Trip Blank were collected on 11/21/2008 and were received at Accutest on 11/22/2008 properly preserved, at 3.2 Deg. C and intact. These Samples received an Accutest job number of F61745. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VF815

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61745-1MS, F61745-1MSD were used as the QC samples indicated.

BS/MS/MSD Recovery(s) for Acrolein are outside control limits. Component degraded in spike mix.

Matrix Spike Recovery(s) for 1,2-Dibromo-3-chloropropane, 2-Chloroethyl vinyl ether, 4-Methyl-2-pentanone, Acrylonitrile are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 2-Chloroethyl vinyl ether are outside control limits. Probable cause due to matrix interference.

F61745-1 for Acrolein: CCV outside of control limits; results may be biased low.

F61745-3 for Acrolein: CCV outside of control limits; results may be biased low.

F61745-2 for Acrolein: CCV outside of control limits; results may be biased low.

Volatiles by GC By Method SW846 8015

Matrix: AQ **Batch ID:** GUV1897

Sample(s) F61745-2MS, F61745-2MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Matrix Spike Recovery(s) for TPH-GRO (C6-C10) are outside control limits. Outside control limits due to high level in sample relative to spike amount.

Sample(s) F61745-2MS, F61745-2MSD have surrogates outside control limits. Probable cause due to matrix interference.

F61745-2: Confirmation run.

F61745-2 for aaa-Trifluorotoluene: Result reported from PID.

F61745-2 for aaa-Trifluorotoluene: Outside control limits due to matrix interference.

F61745-2MS for aaa-Trifluorotoluene: Outside control limits due to matrix interference.

F61745-2MSD for aaa-Trifluorotoluene: Outside control limits due to matrix interference.

Matrix: AQ **Batch ID:** GUV1899

Sample(s) F61745-2MS, F61745-2MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

The following samples were run outside of holding time for method SW846 8015: F61745-2 Sample re-analyzed beyond hold time; reported results are considered minimum values.

Sample(s) F61745-2MS, F61745-2MSD have surrogates outside control limits. Probable cause due to matrix interference.

F61745-2: Sample re-analyzed beyond hold time; reported results are considered minimum values.

Extractables by GC By Method SW846 8015 M

Matrix: AQ **Batch ID:** OP27251

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F61683-2MS, F61683-2MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

F61745-2 for TPH (C10-C22): Petroleum hydrocarbon pattern begins before C10.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN32957

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61746-1DUP were used as the QC samples for Solids, Total Dissolved.

RPD(s) for Duplicate for Solids, Total Dissolved are outside control limits for sample GN32957-D1. High RPD due to possible sample nonhomogeneity.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: December 15, 2008

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW 29-08		
Lab Sample ID:	F61745-1	**Date Sampled:**	11/21/08
Matrix:	AQ - Ground Water	**Date Received:**	11/22/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F032457.D	1	12/04/08	SH	n/a	n/a	VF815
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein [a]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	15.9	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW 29-08		
Lab Sample ID:	F61745-1	**Date Sampled:**	11/21/08
Matrix:	AQ - Ground Water	**Date Received:**	11/22/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW 29-08		
Lab Sample ID:	F61745-1	**Date Sampled:**	11/21/08
Matrix:	AQ - Ground Water	**Date Received:**	11/22/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	ND	2.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		87-116%
17060-07-0	1,2-Dichloroethane-D4	110%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	99%		84-120%

(a) CCV outside of control limits; results may be biased low.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW 29-08		
Lab Sample ID:	F61745-1	**Date Sampled:**	11/21/08
Matrix:	AQ - Ground Water	**Date Received:**	11/22/08
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV033042.D	1	12/05/08	AH	n/a	n/a	GUV1897
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	97%		57-129%
98-08-8	aaa-Trifluorotoluene	93%		58-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW 29-08		
Lab Sample ID:	F61745-1	**Date Sampled:**	11/21/08
Matrix:	AQ - Ground Water	**Date Received:**	11/22/08
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24134.D	1	11/26/08	ME	11/24/08	OP27251	GLL904
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.24	0.096	mg/l	
	TPH (> C22-C36)	ND	0.24	0.096	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	73%		42-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW 29-08		
Lab Sample ID:	F61745-1	**Date Sampled:**	11/21/08
Matrix:	AQ - Ground Water	**Date Received:**	11/22/08
		Percent Solids:	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	15700	100	10	mg/l	1	11/25/08 13:00	LE	SM19 2540C

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-TMW61		
Lab Sample ID:	F61745-2	**Date Sampled:**	11/21/08
Matrix:	AQ - Ground Water	**Date Received:**	11/22/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F032458.D	1	12/04/08	SH	n/a	n/a	VF815
Run #2	F032472.D	5	12/04/08	SH	n/a	n/a	VF815

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein [a]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	216 [b]	5.0	2.0	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	2.0	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	1.4	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	0.95	1.0	0.34	ug/l	J
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW61		
Lab Sample ID:	F61745-2	**Date Sampled:**	11/21/08
Matrix:	AQ - Ground Water	**Date Received:**	11/22/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	2.4	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	167 [b]	5.0	1.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	45.0	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	1.4	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW61		
Lab Sample ID:	F61745-2	**Date Sampled:**	11/21/08
Matrix:	AQ - Ground Water	**Date Received:**	11/22/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	0.76	1.0	0.35	ug/l	J
79-01-6	Trichloroethylene	3.2	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	1.3	2.0	0.78	ug/l	J
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%	106%	87-116%
17060-07-0	1,2-Dichloroethane-D4	107%	107%	76-127%
2037-26-5	Toluene-D8	103%	102%	86-112%
460-00-4	4-Bromofluorobenzene	99%	99%	84-120%

(a) CCV outside of control limits; results may be biased low.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW61		
Lab Sample ID:	F61745-2	**Date Sampled:**	11/21/08
Matrix:	AQ - Ground Water	**Date Received:**	11/22/08
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	UV033069.D	5	12/09/08	AH	n/a	n/a	GUV1899
Run #2 [b]	UV033043.D	1	12/05/08	AH	n/a	n/a	GUV1897

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1.43	0.50	0.25	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	98%	96%	57-129%
98-08-8	aaa-Trifluorotoluene		112% [c]	58-120%
98-08-8	aaa-Trifluorotoluene	99%	163% [d]	58-120%

(a) Sample re-analyzed beyond hold time; reported results are considered minimum values.
(b) Confirmation run.
(c) Result reported from PID.
(d) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW61		
Lab Sample ID:	F61745-2	**Date Sampled:**	11/21/08
Matrix:	AQ - Ground Water	**Date Received:**	11/22/08
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24135.D	1	11/26/08	ME	11/24/08	OP27251	GLL904
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22) [a]	0.156	0.24	0.096	mg/l	J
	TPH (> C22-C36)	ND	0.24	0.096	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	82%		42-114%

(a) Petroleum hydrocarbon pattern begins before C10.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61745-3	**Date Sampled:**	11/21/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	11/22/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F032456.D	1	12/04/08	SH	n/a	n/a	VF815
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein [a]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61745-3	**Date Sampled:**	11/21/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	11/22/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61745-3	**Date Sampled:**	11/21/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	11/22/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	ND	2.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		87-116%
17060-07-0	1,2-Dichloroethane-D4	107%		76-127%
2037-26-5	Toluene-D8	103%		86-112%
460-00-4	4-Bromofluorobenzene	99%		84-120%

(a) CCV outside of control limits; results may be biased low.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

Parameter Certification Exceptions

Job Number: F61745
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

The following parameters included in this report are exceptions to NELAC certification.
The certification status of each is indicated below.

Parameter	CAS#	Method	Mat	Certification Status
Freon 113	76-13-1	**SW846 8260B**	AQ	Certified by SOP MS005

F61745

Page 1 of 1

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number [1]: 11-21-2008-4

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Dusty McNeil

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Sample Analysis Requested [5]: Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)	Quality Assurance Samples [6]: Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
1	MW29-08	MW29-08	21 Nov 2008	0920	-	N	01	WG	7	X	X	X	X				4
2	SS61-TMW61	SS61-TMW61	21 Nov 2008	1135	-	N	01	WG	6	X	X	X					4
3	Trip Blank				-	TB		WQ	2	X							4
					-												
					-												
					-												
					-												
					-												
					-												
					-												
					-												

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (signed)	Date	Time	Received by (signed)	Date	Time
1.		11/21/08	1400			
2.		11/22/08	9:30		11/22/08	9:30
3.						

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: Shipped No.:

Method of Shipment: Airbill Number:

Analytical Lab: Accutest Laboratories Delivery Location:

Lab Recipient: Delivery Date/Time:

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-e) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

3.2

4.2 4

F61745: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61745 CLIENT: BHATE PROJECT: SS-61

DATE/TIME RECEIVED: 11/22/08 9:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 3.2

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8651 5824 0452

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [X] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ?

NUMBER OF 5035 FIELD KITS ?

NUMBER OF LAB FILTERED METALS ?

SUMMARY OF COMMENTS: Only received two vials per sample (8260) (RO)

TECHNICIAN SIGNATURE/DATE: 11/22/08 TECHNICIAN SIGNATURE/DATE: E-T-11-22-8

ASBD 12/17/07

4.2 4

F61745: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61745
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF815-MB	F032455.D	1	12/04/08	SH	n/a	n/a	VF815

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61745-1, F61745-2, F61745-3

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

Method Blank Summary

Job Number: F61745
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF815-MB	F032455.D	1	12/04/08	SH	n/a	n/a	VF815

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61745-1, F61745-2, F61745-3

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

Method Blank Summary

Job Number: F61745
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF815-MB	F032455.D	1	12/04/08	SH	n/a	n/a	VF815

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61745-1, F61745-2, F61745-3

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	ND	2.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	105%	76-127%
2037-26-5	Toluene-D8	102%	86-112%
460-00-4	4-Bromofluorobenzene	99%	84-120%

Blank Spike Summary

Job Number: F61745
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF815-BS	F032454.D	1	12/04/08	SH	n/a	n/a	VF815

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61745-1, F61745-2, F61745-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	108	86	59-134
75-05-8	Acetonitrile	250	264	106	57-123
107-02-8	Acrolein	125	11.3	9*	33-157
107-13-1	Acrylonitrile	125	145	116	62-124
107-05-1	Allyl chloride	25	18.9	76	48-136
71-43-2	Benzene	25	23.8	95	83-124
100-44-7	Benzyl Chloride	25	23.2	93	61-118
108-86-1	Bromobenzene	25	22.9	92	83-115
74-97-5	Bromochloromethane	25	20.1	80	78-112
75-27-4	Bromodichloromethane	25	23.5	94	76-116
75-25-2	Bromoform	25	23.8	95	68-128
104-51-8	n-Butylbenzene	25	24.8	99	84-124
135-98-8	sec-Butylbenzene	25	25.1	100	86-127
98-06-6	tert-Butylbenzene	25	25.0	100	83-126
108-90-7	Chlorobenzene	25	23.7	95	87-115
75-00-3	Chloroethane	25	25.0	100	54-166
67-66-3	Chloroform	25	24.8	99	85-123
544-10-5	1-Chlorohexane	25	24.5	98	87-128
95-49-8	o-Chlorotoluene	25	24.1	96	84-121
106-43-4	p-Chlorotoluene	25	23.9	96	84-120
110-75-8	2-Chloroethyl vinyl ether	125	156	125	63-125
75-15-0	Carbon disulfide	25	20.0	80	67-147
56-23-5	Carbon tetrachloride	25	25.3	101	74-139
75-34-3	1,1-Dichloroethane	25	24.9	100	82-127
75-35-4	1,1-Dichloroethylene	25	25.7	103	75-133
563-58-6	1,1-Dichloropropene	25	23.3	93	87-127
96-12-8	1,2-Dibromo-3-chloropropane	25	26.6	106	61-118
106-93-4	1,2-Dibromoethane	25	22.8	91	80-115
107-06-2	1,2-Dichloroethane	25	23.9	96	76-122
78-87-5	1,2-Dichloropropane	25	23.5	94	81-120
142-28-9	1,3-Dichloropropane	25	22.9	92	81-113
594-20-7	2,2-Dichloropropane	25	25.5	102	77-138
124-48-1	Dibromochloromethane	25	23.5	94	74-116
75-71-8	Dichlorodifluoromethane	25	14.6	58	34-158
156-59-2	cis-1,2-Dichloroethylene	25	21.9	88	81-114
10061-01-5	cis-1,3-Dichloropropene	25	24.5	98	83-119

Blank Spike Summary

Job Number: F61745
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF815-BS	F032454.D	1	12/04/08	SH	n/a	n/a	VF815

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61745-1, F61745-2, F61745-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	25	22.3	89	41-130
541-73-1	m-Dichlorobenzene	25	23.6	94	86-115
95-50-1	o-Dichlorobenzene	25	24.1	96	85-115
106-46-7	p-Dichlorobenzene	25	23.5	94	87-113
156-60-5	trans-1,2-Dichloroethylene	25	25.5	102	82-126
10061-02-6	trans-1,3-Dichloropropene	25	25.7	103	87-123
100-41-4	Ethylbenzene	25	23.9	96	87-118
97-63-2	Ethyl methacrylate	25	22.8	91	68-110
76-13-1	Freon 113	25	22.3	89	74-139
591-78-6	2-Hexanone	125	116	93	58-125
87-68-3	Hexachlorobutadiene	25	28.8	115	71-133
110-54-3	Hexane	25	28.0	112	71-134
98-82-8	Isopropylbenzene	25	25.2	101	87-131
99-87-6	p-Isopropyltoluene	25	25.2	101	83-125
108-10-1	4-Methyl-2-pentanone	125	125	100	62-125
126-98-7	Methacrylonitrile	250	242	97	62-133
74-83-9	Methyl bromide	25	23.8	95	55-151
74-87-3	Methyl chloride	25	21.3	85	55-173
74-88-4	Methyl iodide	25	19.2	77	72-125
80-62-6	Methyl methacrylate	25	24.0	96	63-115
74-95-3	Methylene bromide	25	24.0	96	81-116
75-09-2	Methylene chloride	25	25.1	100	69-125
78-93-3	Methyl ethyl ketone	125	108	86	61-127
1634-04-4	Methyl Tert Butyl Ether	25	22.6	90	75-116
91-20-3	Naphthalene	25	25.4	102	59-125
76-01-7	Pentachloroethane	25	24.2	97	82-111
107-12-0	Propionitrile	250	264	106	69-119
103-65-1	n-Propylbenzene	25	24.4	98	86-125
100-42-5	Styrene	25	24.4	98	78-118
630-20-6	1,1,1,2-Tetrachloroethane	25	23.7	95	81-119
71-55-6	1,1,1-Trichloroethane	25	25.3	101	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	24.3	97	71-120
79-00-5	1,1,2-Trichloroethane	25	23.5	94	80-114
87-61-6	1,2,3-Trichlorobenzene	25	24.7	99	64-126
96-18-4	1,2,3-Trichloropropane	25	22.0	88	77-115
120-82-1	1,2,4-Trichlorobenzene	25	24.8	99	68-123

Blank Spike Summary

Job Number: F61745
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF815-BS	F032454.D	1	12/04/08	SH	n/a	n/a	VF815

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61745-1, F61745-2, F61745-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	25	24.2	97	82-120
108-67-8	1,3,5-Trimethylbenzene	25	24.7	99	83-123
127-18-4	Tetrachloroethylene	25	23.7	95	80-131
108-88-3	Toluene	25	23.9	96	86-116
79-01-6	Trichloroethylene	25	23.0	92	85-124
75-69-4	Trichlorofluoromethane	25	26.2	105	66-156
110-57-6	Trans-1,4-Dichloro-2-Butene	25	25.1	100	51-137
75-01-4	Vinyl chloride	25	22.5	90	57-153
108-05-4	Vinyl Acetate	125	170	136	38-159
	m,p-Xylene	50	48.9	98	86-121
95-47-6	o-Xylene	25	24.2	97	83-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	107%	76-127%
2037-26-5	Toluene-D8	100%	86-112%
460-00-4	4-Bromofluorobenzene	99%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61745
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61745-1MS	F032468.D	1	12/04/08	SH	n/a	n/a	VF815
F61745-1MSD	F032469.D	1	12/04/08	SH	n/a	n/a	VF815
F61745-1	F032457.D	1	12/04/08	SH	n/a	n/a	VF815

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61745-1, F61745-2, F61745-3

CAS No.	Compound	F61745-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	83.0	66	74.8	60	10	59-134/14
75-05-8	Acetonitrile	ND		250	260	104	223	89	15	57-123/15
107-02-8	Acrolein	ND		125	8.1	6*	9.1	7*	12	33-157/21
107-13-1	Acrylonitrile	ND		125	161	129*	148	118	8	62-124/13
107-05-1	Allyl chloride	ND		25	18.7	75	18.2	73	3	48-136/13
71-43-2	Benzene	ND		25	24.7	99	24.1	96	2	83-124/11
100-44-7	Benzyl Chloride	ND		25	24.7	99	22.9	92	8	61-118/12
108-86-1	Bromobenzene	ND		25	22.7	91	22.7	91	0	83-115/10
74-97-5	Bromochloromethane	ND		25	21.0	84	21.0	84	0	78-112/10
75-27-4	Bromodichloromethane	ND		25	24.1	96	23.5	94	3	76-116/10
75-25-2	Bromoform	ND		25	25.9	104	24.4	98	6	68-128/11
104-51-8	n-Butylbenzene	ND		25	24.7	99	23.8	95	4	84-124/10
135-98-8	sec-Butylbenzene	ND		25	24.5	98	23.7	95	3	86-127/10
98-06-6	tert-Butylbenzene	ND		25	25.0	100	24.4	98	2	83-126/10
108-90-7	Chlorobenzene	ND		25	23.8	95	23.4	94	2	87-115/9
75-00-3	Chloroethane	ND		25	26.2	105	25.1	100	4	54-166/20
67-66-3	Chloroform	ND		25	26.1	104	26.0	104	0	85-123/10
544-10-5	1-Chlorohexane	ND		25	23.8	95	22.7	91	5	87-128/10
95-49-8	o-Chlorotoluene	ND		25	23.8	95	23.4	94	2	84-121/10
106-43-4	p-Chlorotoluene	ND		25	23.5	94	23.1	92	2	84-120/10
110-75-8	2-Chloroethyl vinyl ether	ND		125	ND	0*	ND	0*	nc	63-125/24
75-15-0	Carbon disulfide	ND		25	20.2	81	19.1	76	6	67-147/12
56-23-5	Carbon tetrachloride	ND		25	26.3	105	24.1	96	9	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	25.7	103	25.1	100	2	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	27.4	110	24.1	96	13	75-133/13
563-58-6	1,1-Dichloropropene	ND		25	23.7	95	23.1	92	3	87-127/10
96-12-8	1,2-Dibromo-3-chloropropane	ND		25	30.1	120*	27.2	109	10	61-118/15
106-93-4	1,2-Dibromoethane	ND		25	23.6	94	22.7	91	4	80-115/10
107-06-2	1,2-Dichloroethane	15.9		25	40.7	99	39.8	96	2	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	23.6	94	23.3	93	1	81-120/11
142-28-9	1,3-Dichloropropane	ND		25	23.5	94	22.9	92	3	81-113/11
594-20-7	2,2-Dichloropropane	ND		25	25.7	103	24.4	98	5	77-138/12
124-48-1	Dibromochloromethane	ND		25	24.2	97	23.5	94	3	74-116/11
75-71-8	Dichlorodifluoromethane	ND		25	15.1	60	14.3	57	5	34-158/22
156-59-2	cis-1,2-Dichloroethylene	ND		25	22.5	90	22.2	89	1	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	23.2	93	23.0	92	1	83-119/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61745
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61745-1MS	F032468.D	1	12/04/08	SH	n/a	n/a	VF815
F61745-1MSD	F032469.D	1	12/04/08	SH	n/a	n/a	VF815
F61745-1	F032457.D	1	12/04/08	SH	n/a	n/a	VF815

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61745-1, F61745-2, F61745-3

CAS No.	Compound	F61745-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		25	23.7	95	21.5	86	10	41-130/33
541-73-1	m-Dichlorobenzene	ND		25	23.9	96	23.5	94	2	86-115/9
95-50-1	o-Dichlorobenzene	ND		25	24.3	97	24.1	96	1	85-115/9
106-46-7	p-Dichlorobenzene	ND		25	23.7	95	23.4	94	1	87-113/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	26.1	104	25.8	103	1	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	26.0	104	25.4	102	2	87-123/10
100-41-4	Ethylbenzene	ND		25	24.0	96	23.3	93	3	87-118/10
97-63-2	Ethyl methacrylate	ND		25	25.0	100	23.9	96	4	68-110/11
76-13-1	Freon 113	ND		25	23.7	95	20.8	83	13	74-139/13
591-78-6	2-Hexanone	ND		125	148	118	129	103	14	58-125/14
87-68-3	Hexachlorobutadiene	ND		25	26.9	108	26.2	105	3	71-133/12
110-54-3	Hexane	ND		25	29.3	117	27.6	110	6	71-134/11
98-82-8	Isopropylbenzene	ND		25	25.5	102	24.5	98	4	87-131/10
99-87-6	p-Isopropyltoluene	ND		25	24.8	99	24.2	97	2	83-125/9
108-10-1	4-Methyl-2-pentanone	ND		125	166	133*	148	118	11	62-125/13
126-98-7	Methacrylonitrile	ND		250	264	106	241	96	9	62-133/17
74-83-9	Methyl bromide	ND		25	24.3	97	24.0	96	1	55-151/21
74-87-3	Methyl chloride	ND		25	20.6	82	20.6	82	0	55-173/22
74-88-4	Methyl iodide	ND		25	19.3	77	19.0	76	2	72-125/11
80-62-6	Methyl methacrylate	ND		25	25.9	104	24.0	96	8	63-115/10
74-95-3	Methylene bromide	ND		25	24.8	99	24.2	97	2	81-116/10
75-09-2	Methylene chloride	ND		25	25.9	104	25.7	103	1	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	104	83	93.4	75	11	61-127/13
1634-04-4	Methyl Tert Butyl Ether	ND		25	23.7	95	23.2	93	2	75-116/10
91-20-3	Naphthalene	ND		25	27.7	111	26.4	106	5	59-125/15
76-01-7	Pentachloroethane	ND		25	24.0	96	23.7	95	1	82-111/8
107-12-0	Propionitrile	ND		250	285	114	255	102	11	69-119/12
103-65-1	n-Propylbenzene	ND		25	23.8	95	23.3	93	2	86-125/10
100-42-5	Styrene	ND		25	24.2	97	23.7	95	2	78-118/11
630-20-6	1,1,1,2-Tetrachloroethane	ND		25	24.3	97	23.8	95	2	81-119/10
71-55-6	1,1,1-Trichloroethane	ND		25	26.2	105	24.9	100	5	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	26.6	106	25.1	100	6	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	24.5	98	23.3	93	5	80-114/11
87-61-6	1,2,3-Trichlorobenzene	ND		25	24.2	97	24.3	97	0	64-126/16
96-18-4	1,2,3-Trichloropropane	ND		25	23.9	96	22.4	90	6	77-115/12
120-82-1	1,2,4-Trichlorobenzene	ND		25	24.2	97	24.4	98	1	68-123/11

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61745
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61745-1MS	F032468.D	1	12/04/08	SH	n/a	n/a	VF815
F61745-1MSD	F032469.D	1	12/04/08	SH	n/a	n/a	VF815
F61745-1	F032457.D	1	12/04/08	SH	n/a	n/a	VF815

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61745-1, F61745-2, F61745-3

CAS No.	Compound	F61745-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		25	24.2	97	23.8	95	2	82-120/10
108-67-8	1,3,5-Trimethylbenzene	ND		25	24.3	97	23.5	94	3	83-123/10
127-18-4	Tetrachloroethylene	ND		25	23.2	93	22.5	90	3	80-131/12
108-88-3	Toluene	ND		25	23.6	94	23.3	93	1	86-116/10
79-01-6	Trichloroethylene	ND		25	23.2	93	22.7	91	2	85-124/10
75-69-4	Trichlorofluoromethane	ND		25	28.7	115	26.2	105	9	66-156/15
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		25	27.6	110	25.3	101	9	51-137/24
75-01-4	Vinyl chloride	ND		25	22.3	89	21.9	88	2	57-153/22
108-05-4	Vinyl Acetate	ND		125	180	144	171	137	5	38-159/11
	m,p-Xylene	ND		50	49.1	98	47.9	96	2	86-121/10
95-47-6	o-Xylene	ND		25	24.4	98	24.0	96	2	83-121/10

CAS No.	Surrogate Recoveries	MS	MSD	F61745-1	Limits
1868-53-7	Dibromofluoromethane	104%	105%	107%	87-116%
17060-07-0	1,2-Dichloroethane-D4	112%	110%	110%	76-127%
2037-26-5	Toluene-D8	98%	98%	102%	86-112%
460-00-4	4-Bromofluorobenzene	96%	97%	99%	84-120%

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61745
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV1897-MB	UV033040.D	1	12/05/08	AH	n/a	n/a	GUV1897

The QC reported here applies to the following samples: **Method:** SW846 8015

F61745-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	93%	57-129%
98-08-8	aaa-Trifluorotoluene	90%	58-120%

Method Blank Summary

Job Number: F61745
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV1899-MB	UV033068.D	1	12/09/08	AH	n/a	n/a	GUV1899

The QC reported here applies to the following samples: **Method:** SW846 8015

F61745-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	91%	57-129%
98-08-8	aaa-Trifluorotoluene	95%	58-120%

Blank Spike Summary

Job Number: F61745
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV1897-BS	UV033039.D	1	12/05/08	AH	n/a	n/a	GUV1897

The QC reported here applies to the following samples: **Method:** SW846 8015

F61745-1

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	0.4	0.401	100	75-129

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	103%	57-129%
98-08-8	aaa-Trifluorotoluene	86%	58-120%

Blank Spike Summary

Job Number: F61745
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV1899-BS	UV033067.D	1	12/09/08	AH	n/a	n/a	GUV1899

The QC reported here applies to the following samples: **Method:** SW846 8015

F61745-2

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	0.4	0.397	99	75-129

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	97%	57-129%
98-08-8	aaa-Trifluorotoluene	87%	58-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61745
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61745-2MS	UV033050.D	1	12/05/08	AH	n/a	n/a	GUV1897
F61745-2MSD	UV033051.D	1	12/05/08	AH	n/a	n/a	GUV1897
F61745-2 [a]	UV033043.D	1	12/05/08	AH	n/a	n/a	GUV1897

The QC reported here applies to the following samples: **Method:** SW846 8015

F61745-1

CAS No.	Compound	F61745-2 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	1.34	E	0.4	1.53	48* [b]	1.40	15* [b]	9	75-129/13

CAS No.	Surrogate Recoveries	MS	MSD	F61745-2	Limits
460-00-4	4-Bromofluorobenzene	107%	97%	96%	57-129%
98-08-8	aaa-Trifluorotoluene			112% [c]	58-120%
98-08-8	aaa-Trifluorotoluene	128%* [d]	141%* [d]	163%* [d]	58-120%

(a) Confirmation run.
(b) Outside control limits due to high level in sample relative to spike amount.
(c) Result reported from PID.
(d) Outside control limits due to matrix interference.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61745
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61745-2MS	UV033074.D	5	12/09/08	AH	n/a	n/a	GUV1899
F61745-2MSD	UV033075.D	5	12/09/08	AH	n/a	n/a	GUV1899
F61745-2 [a]	UV033069.D	5	12/09/08	AH	n/a	n/a	GUV1899

The QC reported here applies to the following samples: **Method:** SW846 8015

F61745-2

CAS No.	Compound	F61745-2 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	1.43		2	3.13	85	2.96	77	6	75-129/13

CAS No.	Surrogate Recoveries	MS	MSD	F61745-2	Limits
460-00-4	4-Bromofluorobenzene	102%	107%	98%	57-129%
98-08-8	aaa-Trifluorotoluene	93%	79%	99%	58-120%

(a) Sample re-analyzed beyond hold time; reported results are considered minimum values.

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61745
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27251-MB	LL24121.D	1	11/26/08	ME	11/24/08	OP27251	GLL904

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61745-1, F61745-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.25	0.10	mg/l	
	TPH (> C22-C36)	ND	0.25	0.10	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	98%	42-114%

Blank Spike Summary

Job Number: F61745
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27251-BS	LL24120.D	1	11/26/08	ME	11/24/08	OP27251	GLL904

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61745-1, F61745-2

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH (C10-C22)	1	0.600	60	60-140
	TPH (> C22-C36)	1	0.793	79	60-140

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	65%	42-114%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61745
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27251-MS	LL24124.D	1	11/26/08	ME	11/24/08	OP27251	GLL904
OP27251-MSD	LL24125.D	1	11/26/08	ME	11/24/08	OP27251	GLL904
F61683-2	LL24123.D	1	11/26/08	ME	11/24/08	OP27251	GLL904

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61745-1, F61745-2

CAS No.	Compound	F61683-2 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	0.283		1.92	1.95	87	2.19	99	12	60-140/30
	TPH (> C22-C36)	0.101	J	1.92	2.09	103	2.20	109	5	60-140/30

CAS No.	Surrogate Recoveries	MS	MSD	F61683-2	Limits
84-15-1	o-Terphenyl	93%	100%	99%	42-114%

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: F61745
Account: NWIDIF - North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Solids, Total Dissolved	GN32957	100	<100	mg/l				

Associated Samples:
Batch GN32957: F61745-1
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: F61745
Account: NWIDIF - North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Solids, Total Dissolved	GN32957	F61746-1	mg/l	15300	17300	12.3*(a)	0-5%

Associated Samples:
Batch GN32957: F61745-1
(*) Outside of QC limits
(a) High RPD due to possible sample nonhomogeneity.

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

01/14/09

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F61746

Sampling Date: 11/20/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **46**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Sections: 1 2 3 4 5 6 7 8

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F61746-1: SS61-MW03 7
3.2: F61746-2: SS61-MW03-a 13
3.3: F61746-3: TRIP BLANK 19
Section 4: Misc. Forms **22**
4.1: Certification Exceptions 23
4.2: Chain of Custody 24
Section 5: GC/MS Volatiles - QC Data Summaries **26**
5.1: Method Blank Summary 27
5.2: Blank Spike Summary 30
5.3: Matrix Spike/Matrix Spike Duplicate Summary 33
Section 6: GC Volatiles - QC Data Summaries **36**
6.1: Method Blank Summary 37
6.2: Blank Spike Summary 38
6.3: Matrix Spike/Matrix Spike Duplicate Summary 39
Section 7: GC Semi-volatiles - QC Data Summaries **40**
7.1: Method Blank Summary 41
7.2: Blank Spike Summary 42
7.3: Matrix Spike/Matrix Spike Duplicate Summary 43
Section 8: General Chemistry - QC Data Summaries **44**
8.1: Method Blank and Spike Results Summary 45
8.2: Duplicate Results Summary 46

Sample Summary

North Wind, Inc

Job No: F61746

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F61746-1	11/20/08	15:40	DM	11/22/08	AQ	Ground Water	SS61-MW03
F61746-2	11/20/08	15:40	DM	11/22/08	AQ	Ground Water	SS61-MW03-a
F61746-3	11/20/08	00:00	DM	11/22/08	AQ	Trip Blank Water	TRIP BLANK

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F61746

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/10/2008 9:00:22

2 Samples, 1 Trip Blank were collected on 11/20/2008 and received at Accutest on 11/22/2008 properly preserved, at 3 Deg. C and intact. These Samples received an Accutest job number of F61746. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VF815

All method blanks for this batch meet method specific criteria.

Sample(s) F61745-1MS, F61745-1MSD were used as the QC samples indicated.

BS/MS/MSD Recovery(s) for Acrolein are outside control limits.

Matrix Spike Recovery(s) for 1,2-Dibromo-3-chloropropane, 2-Chloroethyl vinyl ether, 4-Methyl-2-pentanone, Acrylonitrile are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 2-Chloroethyl vinyl ether are outside control limits. Probable cause due to matrix interference.

F61746-2 for Methylene chloride: Suspected laboratory contaminant.

F61746-2 for Acrolein: CCV outside of control limits; results may be biased low.

F61746-1 for Methylene chloride: Suspected laboratory contaminant.

F61746-1 for Acrolein: CCV outside of control limits; results may be biased low.

F61746-1 for Hexane: CCV outside of control limits; results may be biased high.

F61746-3 for Acrolein: CCV and BS outside of control limits; results may be biased low.

Volatiles by GC By Method SW846 8015

Matrix: AQ **Batch ID:** GUV1896

All method blanks for this batch meet method specific criteria.

Sample(s) F61712-2MS, F61712-2MSD were used as the QC samples indicated.

MS/MSD Recovery(s) for TPH-GRO (C6-C10) are outside control limits. Probable cause due to matrix interference.

Extractables by GC By Method SW846 8015 M

Matrix: AQ **Batch ID:** OP27251

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F61683-2MS, F61683-2MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

F61746-1 for TPH (C10-C22): Petroleum hydrocarbon pattern begins before C10.

F61746-2 for TPH (C10-C22): Petroleum hydrocarbon pattern begins before C10.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN32957

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61746-1DUP were used as the QC samples for Solids, Total Dissolved.

RPD(s) for Duplicate for Solids, Total Dissolved are outside control limits for sample GN32957-D1. High RPD due to possible sample nonhomogeneity.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the

samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: December 10, 2008

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-MW03		
Lab Sample ID:	F61746-1	**Date Sampled:**	11/20/08
Matrix:	AQ - Ground Water	**Date Received:**	11/22/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F032459.D	1	12/04/08	SH	n/a	n/a	VF815
Run #2	F032473.D	20	12/04/08	SH	n/a	n/a	VF815

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein [a]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	645 [b]	20	8.0	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	0.67	1.0	0.25	ug/l	J
98-06-6	tert-Butylbenzene	0.52	1.0	0.32	ug/l	J
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	0.29	1.0	0.28	ug/l	J
107-06-2	1,2-Dichloroethane	29.9	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW03		
Lab Sample ID:	F61746-1	**Date Sampled:**	11/20/08
Matrix:	AQ - Ground Water	**Date Received:**	11/22/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	10.6	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane [c]	2.1	2.0	0.50	ug/l	J
98-82-8	Isopropylbenzene	99.7	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	24.6	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride [d]	1.0	5.0	1.0	ug/l	J
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	2.1	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW03		
Lab Sample ID:	F61746-1	**Date Sampled:**	11/20/08
Matrix:	AQ - Ground Water	**Date Received:**	11/22/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	8.1	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	4.4	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	20.1	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	3.6	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	31.5	2.0	0.78	ug/l	
95-47-6	o-Xylene	21.0	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	112%	107%	76-127%
2037-26-5	Toluene-D8	101%	103%	86-112%
460-00-4	4-Bromofluorobenzene	99%	100%	84-120%

(a) CCV outside of control limits; results may be biased low.
(b) Result is from Run# 2
(c) CCV outside of control limits; results may be biased high.
(d) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW03		
Lab Sample ID:	F61746-1	**Date Sampled:**	11/20/08
Matrix:	AQ - Ground Water	**Date Received:**	11/22/08
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV033013.D	1	12/04/08	AH	n/a	n/a	GUV1896
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.463	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%		57-129%
98-08-8	aaa-Trifluorotoluene	91%		58-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW03		
Lab Sample ID:	F61746-1	**Date Sampled:**	11/20/08
Matrix:	AQ - Ground Water	**Date Received:**	11/22/08
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24132.D	1	11/26/08	ME	11/24/08	OP27251	GLL904
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22) [a]	0.178	0.24	0.096	mg/l	J
	TPH (> C22-C36)	0.139	0.24	0.096	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	95%		42-114%

(a) Petroleum hydrocarbon pattern begins before C10.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW03		
Lab Sample ID:	F61746-1	**Date Sampled:**	11/20/08
Matrix:	AQ - Ground Water	**Date Received:**	11/22/08
		Percent Solids:	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	15300	100	10	mg/l	1	11/25/08 13:00	LE	SM19 2540C

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-MW03-a		
Lab Sample ID:	F61746-2	**Date Sampled:**	11/20/08
Matrix:	AQ - Ground Water	**Date Received:**	11/22/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F032460.D	1	12/04/08	SH	n/a	n/a	VF815
Run #2	F032474.D	20	12/04/08	SH	n/a	n/a	VF815

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein [a]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	656 [b]	20	8.0	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	0.66	1.0	0.25	ug/l	J
98-06-6	tert-Butylbenzene	0.48	1.0	0.32	ug/l	J
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	30.0	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW03-a		
Lab Sample ID:	F61746-2	**Date Sampled:**	11/20/08
Matrix:	AQ - Ground Water	**Date Received:**	11/22/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	11.5	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	67.0 [b]	20	4.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	24.8	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride [c]	1.1	5.0	1.0	ug/l	J
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	2.2	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW03-a		
Lab Sample ID:	F61746-2	**Date Sampled:**	11/20/08
Matrix:	AQ - Ground Water	**Date Received:**	11/22/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	8.9	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	5.0	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	22.3	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	3.1	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	34.5	2.0	0.78	ug/l	
95-47-6	o-Xylene	22.4	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	109%	108%	76-127%
2037-26-5	Toluene-D8	101%	102%	86-112%
460-00-4	4-Bromofluorobenzene	98%	98%	84-120%

(a) CCV outside of control limits; results may be biased low.
(b) Result is from Run# 2
(c) Suspected laboratory contaminant.

Report of Analysis

Client Sample ID:	SS61-MW03-a		
Lab Sample ID:	F61746-2	**Date Sampled:**	11/20/08
Matrix:	AQ - Ground Water	**Date Received:**	11/22/08
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV033014.D	10	12/04/08	AH	n/a	n/a	GUV1896
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	2.72	1.0	0.50	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	79%		57-129%
98-08-8	aaa-Trifluorotoluene	86%		58-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW03-a		
Lab Sample ID:	F61746-2	**Date Sampled:**	11/20/08
Matrix:	AQ - Ground Water	**Date Received:**	11/22/08
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24133.D	1	11/26/08	ME	11/24/08	OP27251	GLL904
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22) [a]	0.168	0.24	0.096	mg/l	J
	TPH (> C22-C36)	0.125	0.24	0.096	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	97%		42-114%

(a) Petroleum hydrocarbon pattern begins before C10.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW03-a		
Lab Sample ID:	F61746-2	**Date Sampled:**	11/20/08
Matrix:	AQ - Ground Water	**Date Received:**	11/22/08
		Percent Solids:	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	15600	100	10	mg/l	1	11/25/08 13:00	LE	SM19 2540C

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61746-3	**Date Sampled:**	11/20/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	11/22/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F032476.D	1	12/04/08	SH	n/a	n/a	VF815
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein [a]	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61746-3	**Date Sampled:**	11/20/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	11/22/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61746-3	**Date Sampled:**	11/20/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	11/22/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	ND	2.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		87-116%
17060-07-0	1,2-Dichloroethane-D4	110%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	100%		84-120%

(a) CCV and BS outside of control limits; results may be biased low.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

Parameter Certification Exceptions

Job Number: F61746
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

The following parameters included in this report are exceptions to NELAC certification.
The certification status of each is indicated below.

Parameter	CAS#	Method	Mat	Certification Status
Freon 113	76-13-1	**SW846 8260B**	AQ	Certified by SOP MS005

F61746

Page 1 of 1

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number [1]: 11-21-2008-1

LIMS Number:

Facility/Base LD.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Dusty McNeil

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Sample Analysis Requested [5]: Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)					Quality Assurance Samples [6]: Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
1	SS61-MW03	SS61-MW03	20-Nov-2008	1540	-	N	01	WG	7	X	X	X	X								1
2	SS61-MW03-2	SS61-MW03	20-Nov-2008	1540	-	FD	01	WG	7	X	X	X	X								1
3	Trip Blank				-	TB		WQ	2	X											1
					-																
					-																
					-																
					-																
					-																
					-																
					-																
					-																

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1.	[signature]	11/20/08	1400	FX		
2.	FX	11/22/08	9:30	[signature]	11/22/08	9:30
3.						

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: _____ Shipped No.: _____

Method of Shipment: _____ Airbill Number: _____

Analytical Lab: Accutest Laboratories Delivery Location: _____

Lab Recipient: _____ Delivery Date/Time: _____

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

3.0

4.2 4

F61746: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61746 CLIENT: BHATE PROJECT: SS-61

DATE/TIME RECEIVED: 11/22/08 9:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 3.0

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8651 5824 0463

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [X] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ?

NUMBER OF 5035 FIELD KITS ?

NUMBER OF LAB FILTERED METALS ?

SUMMARY OF COMMENTS: Only received 2 vials per sample (SB6) (GB3)

TECHNICIAN SIGNATURE/DATE 11/22/08 TECHNICIAN SIGNATURE/DATE E.T. 11-22-08

ASBD 12/17/07

4.2 4

F61746: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61746
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF815-MB	F032455.D	1	12/04/08	SH	n/a	n/a	VF815

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61746-1, F61746-2, F61746-3

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

Method Blank Summary

Job Number: F61746
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF815-MB	F032455.D	1	12/04/08	SH	n/a	n/a	VF815

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61746-1, F61746-2, F61746-3

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

Method Blank Summary

Job Number: F61746
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF815-MB	F032455.D	1	12/04/08	SH	n/a	n/a	VF815

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61746-1, F61746-2, F61746-3

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	ND	2.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	105%	76-127%
2037-26-5	Toluene-D8	102%	86-112%
460-00-4	4-Bromofluorobenzene	99%	84-120%

Blank Spike Summary

Job Number: F61746
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF815-BS	F032454.D	1	12/04/08	SH	n/a	n/a	VF815

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61746-1, F61746-2, F61746-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	108	86	59-134
75-05-8	Acetonitrile	250	264	106	57-123
107-02-8	Acrolein	125	11.3	9*	33-157
107-13-1	Acrylonitrile	125	145	116	62-124
107-05-1	Allyl chloride	25	18.9	76	48-136
71-43-2	Benzene	25	23.8	95	83-124
100-44-7	Benzyl Chloride	25	23.2	93	61-118
108-86-1	Bromobenzene	25	22.9	92	83-115
74-97-5	Bromochloromethane	25	20.1	80	78-112
75-27-4	Bromodichloromethane	25	23.5	94	76-116
75-25-2	Bromoform	25	23.8	95	68-128
104-51-8	n-Butylbenzene	25	24.8	99	84-124
135-98-8	sec-Butylbenzene	25	25.1	100	86-127
98-06-6	tert-Butylbenzene	25	25.0	100	83-126
108-90-7	Chlorobenzene	25	23.7	95	87-115
75-00-3	Chloroethane	25	25.0	100	54-166
67-66-3	Chloroform	25	24.8	99	85-123
544-10-5	1-Chlorohexane	25	24.5	98	87-128
95-49-8	o-Chlorotoluene	25	24.1	96	84-121
106-43-4	p-Chlorotoluene	25	23.9	96	84-120
110-75-8	2-Chloroethyl vinyl ether	125	156	125	63-125
75-15-0	Carbon disulfide	25	20.0	80	67-147
56-23-5	Carbon tetrachloride	25	25.3	101	74-139
75-34-3	1,1-Dichloroethane	25	24.9	100	82-127
75-35-4	1,1-Dichloroethylene	25	25.7	103	75-133
563-58-6	1,1-Dichloropropene	25	23.3	93	87-127
96-12-8	1,2-Dibromo-3-chloropropane	25	26.6	106	61-118
106-93-4	1,2-Dibromoethane	25	22.8	91	80-115
107-06-2	1,2-Dichloroethane	25	23.9	96	76-122
78-87-5	1,2-Dichloropropane	25	23.5	94	81-120
142-28-9	1,3-Dichloropropane	25	22.9	92	81-113
594-20-7	2,2-Dichloropropane	25	25.5	102	77-138
124-48-1	Dibromochloromethane	25	23.5	94	74-116
75-71-8	Dichlorodifluoromethane	25	14.6	58	34-158
156-59-2	cis-1,2-Dichloroethylene	25	21.9	88	81-114
10061-01-5	cis-1,3-Dichloropropene	25	24.5	98	83-119

Blank Spike Summary

Job Number: F61746
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF815-BS	F032454.D	1	12/04/08	SH	n/a	n/a	VF815

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61746-1, F61746-2, F61746-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	25	22.3	89	41-130
541-73-1	m-Dichlorobenzene	25	23.6	94	86-115
95-50-1	o-Dichlorobenzene	25	24.1	96	85-115
106-46-7	p-Dichlorobenzene	25	23.5	94	87-113
156-60-5	trans-1,2-Dichloroethylene	25	25.5	102	82-126
10061-02-6	trans-1,3-Dichloropropene	25	25.7	103	87-123
100-41-4	Ethylbenzene	25	23.9	96	87-118
97-63-2	Ethyl methacrylate	25	22.8	91	68-110
76-13-1	Freon 113	25	22.3	89	74-139
591-78-6	2-Hexanone	125	116	93	58-125
87-68-3	Hexachlorobutadiene	25	28.8	115	71-133
110-54-3	Hexane	25	28.0	112	71-134
98-82-8	Isopropylbenzene	25	25.2	101	87-131
99-87-6	p-Isopropyltoluene	25	25.2	101	83-125
108-10-1	4-Methyl-2-pentanone	125	125	100	62-125
126-98-7	Methacrylonitrile	250	242	97	62-133
74-83-9	Methyl bromide	25	23.8	95	55-151
74-87-3	Methyl chloride	25	21.3	85	55-173
74-88-4	Methyl iodide	25	19.2	77	72-125
80-62-6	Methyl methacrylate	25	24.0	96	63-115
74-95-3	Methylene bromide	25	24.0	96	81-116
75-09-2	Methylene chloride	25	25.1	100	69-125
78-93-3	Methyl ethyl ketone	125	108	86	61-127
1634-04-4	Methyl Tert Butyl Ether	25	22.6	90	75-116
91-20-3	Naphthalene	25	25.4	102	59-125
76-01-7	Pentachloroethane	25	24.2	97	82-111
107-12-0	Propionitrile	250	264	106	69-119
103-65-1	n-Propylbenzene	25	24.4	98	86-125
100-42-5	Styrene	25	24.4	98	78-118
630-20-6	1,1,1,2-Tetrachloroethane	25	23.7	95	81-119
71-55-6	1,1,1-Trichloroethane	25	25.3	101	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	24.3	97	71-120
79-00-5	1,1,2-Trichloroethane	25	23.5	94	80-114
87-61-6	1,2,3-Trichlorobenzene	25	24.7	99	64-126
96-18-4	1,2,3-Trichloropropane	25	22.0	88	77-115
120-82-1	1,2,4-Trichlorobenzene	25	24.8	99	68-123

Blank Spike Summary

Job Number: F61746
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF815-BS	F032454.D	1	12/04/08	SH	n/a	n/a	VF815

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61746-1, F61746-2, F61746-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	25	24.2	97	82-120
108-67-8	1,3,5-Trimethylbenzene	25	24.7	99	83-123
127-18-4	Tetrachloroethylene	25	23.7	95	80-131
108-88-3	Toluene	25	23.9	96	86-116
79-01-6	Trichloroethylene	25	23.0	92	85-124
75-69-4	Trichlorofluoromethane	25	26.2	105	66-156
110-57-6	Trans-1,4-Dichloro-2-Butene	25	25.1	100	51-137
75-01-4	Vinyl chloride	25	22.5	90	57-153
108-05-4	Vinyl Acetate	125	170	136	38-159
	m,p-Xylene	50	48.9	98	86-121
95-47-6	o-Xylene	25	24.2	97	83-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	107%	76-127%
2037-26-5	Toluene-D8	100%	86-112%
460-00-4	4-Bromofluorobenzene	99%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61746
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61745-1MS	F032468.D	1	12/04/08	SH	n/a	n/a	VF815
F61745-1MSD	F032469.D	1	12/04/08	SH	n/a	n/a	VF815
F61745-1	F032457.D	1	12/04/08	SH	n/a	n/a	VF815

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61746-1, F61746-2, F61746-3

CAS No.	Compound	F61745-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	83.0	66	74.8	60	10	59-134/14
75-05-8	Acetonitrile	ND		250	260	104	223	89	15	57-123/15
107-02-8	Acrolein	ND		125	8.1	6*	9.1	7*	12	33-157/21
107-13-1	Acrylonitrile	ND		125	161	129*	148	118	8	62-124/13
107-05-1	Allyl chloride	ND		25	18.7	75	18.2	73	3	48-136/13
71-43-2	Benzene	ND		25	24.7	99	24.1	96	2	83-124/11
100-44-7	Benzyl Chloride	ND		25	24.7	99	22.9	92	8	61-118/12
108-86-1	Bromobenzene	ND		25	22.7	91	22.7	91	0	83-115/10
74-97-5	Bromochloromethane	ND		25	21.0	84	21.0	84	0	78-112/10
75-27-4	Bromodichloromethane	ND		25	24.1	96	23.5	94	3	76-116/10
75-25-2	Bromoform	ND		25	25.9	104	24.4	98	6	68-128/11
104-51-8	n-Butylbenzene	ND		25	24.7	99	23.8	95	4	84-124/10
135-98-8	sec-Butylbenzene	ND		25	24.5	98	23.7	95	3	86-127/10
98-06-6	tert-Butylbenzene	ND		25	25.0	100	24.4	98	2	83-126/10
108-90-7	Chlorobenzene	ND		25	23.8	95	23.4	94	2	87-115/9
75-00-3	Chloroethane	ND		25	26.2	105	25.1	100	4	54-166/20
67-66-3	Chloroform	ND		25	26.1	104	26.0	104	0	85-123/10
544-10-5	1-Chlorohexane	ND		25	23.8	95	22.7	91	5	87-128/10
95-49-8	o-Chlorotoluene	ND		25	23.8	95	23.4	94	2	84-121/10
106-43-4	p-Chlorotoluene	ND		25	23.5	94	23.1	92	2	84-120/10
110-75-8	2-Chloroethyl vinyl ether	ND		125	ND	0*	ND	0*	nc	63-125/24
75-15-0	Carbon disulfide	ND		25	20.2	81	19.1	76	6	67-147/12
56-23-5	Carbon tetrachloride	ND		25	26.3	105	24.1	96	9	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	25.7	103	25.1	100	2	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	27.4	110	24.1	96	13	75-133/13
563-58-6	1,1-Dichloropropene	ND		25	23.7	95	23.1	92	3	87-127/10
96-12-8	1,2-Dibromo-3-chloropropane	ND		25	30.1	120*	27.2	109	10	61-118/15
106-93-4	1,2-Dibromoethane	ND		25	23.6	94	22.7	91	4	80-115/10
107-06-2	1,2-Dichloroethane	15.9		25	40.7	99	39.8	96	2	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	23.6	94	23.3	93	1	81-120/11
142-28-9	1,3-Dichloropropane	ND		25	23.5	94	22.9	92	3	81-113/11
594-20-7	2,2-Dichloropropane	ND		25	25.7	103	24.4	98	5	77-138/12
124-48-1	Dibromochloromethane	ND		25	24.2	97	23.5	94	3	74-116/11
75-71-8	Dichlorodifluoromethane	ND		25	15.1	60	14.3	57	5	34-158/22
156-59-2	cis-1,2-Dichloroethylene	ND		25	22.5	90	22.2	89	1	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	23.2	93	23.0	92	1	83-119/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61746
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61745-1MS	F032468.D	1	12/04/08	SH	n/a	n/a	VF815
F61745-1MSD	F032469.D	1	12/04/08	SH	n/a	n/a	VF815
F61745-1	F032457.D	1	12/04/08	SH	n/a	n/a	VF815

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61746-1, F61746-2, F61746-3

CAS No.	Compound	F61745-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		25	23.7	95	21.5	86	10	41-130/33
541-73-1	m-Dichlorobenzene	ND		25	23.9	96	23.5	94	2	86-115/9
95-50-1	o-Dichlorobenzene	ND		25	24.3	97	24.1	96	1	85-115/9
106-46-7	p-Dichlorobenzene	ND		25	23.7	95	23.4	94	1	87-113/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	26.1	104	25.8	103	1	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	26.0	104	25.4	102	2	87-123/10
100-41-4	Ethylbenzene	ND		25	24.0	96	23.3	93	3	87-118/10
97-63-2	Ethyl methacrylate	ND		25	25.0	100	23.9	96	4	68-110/11
76-13-1	Freon 113	ND		25	23.7	95	20.8	83	13	74-139/13
591-78-6	2-Hexanone	ND		125	148	118	129	103	14	58-125/14
87-68-3	Hexachlorobutadiene	ND		25	26.9	108	26.2	105	3	71-133/12
110-54-3	Hexane	ND		25	29.3	117	27.6	110	6	71-134/11
98-82-8	Isopropylbenzene	ND		25	25.5	102	24.5	98	4	87-131/10
99-87-6	p-Isopropyltoluene	ND		25	24.8	99	24.2	97	2	83-125/9
108-10-1	4-Methyl-2-pentanone	ND		125	166	133*	148	118	11	62-125/13
126-98-7	Methacrylonitrile	ND		250	264	106	241	96	9	62-133/17
74-83-9	Methyl bromide	ND		25	24.3	97	24.0	96	1	55-151/21
74-87-3	Methyl chloride	ND		25	20.6	82	20.6	82	0	55-173/22
74-88-4	Methyl iodide	ND		25	19.3	77	19.0	76	2	72-125/11
80-62-6	Methyl methacrylate	ND		25	25.9	104	24.0	96	8	63-115/10
74-95-3	Methylene bromide	ND		25	24.8	99	24.2	97	2	81-116/10
75-09-2	Methylene chloride	ND		25	25.9	104	25.7	103	1	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	104	83	93.4	75	11	61-127/13
1634-04-4	Methyl Tert Butyl Ether	ND		25	23.7	95	23.2	93	2	75-116/10
91-20-3	Naphthalene	ND		25	27.7	111	26.4	106	5	59-125/15
76-01-7	Pentachloroethane	ND		25	24.0	96	23.7	95	1	82-111/8
107-12-0	Propionitrile	ND		250	285	114	255	102	11	69-119/12
103-65-1	n-Propylbenzene	ND		25	23.8	95	23.3	93	2	86-125/10
100-42-5	Styrene	ND		25	24.2	97	23.7	95	2	78-118/11
630-20-6	1,1,1,2-Tetrachloroethane	ND		25	24.3	97	23.8	95	2	81-119/10
71-55-6	1,1,1-Trichloroethane	ND		25	26.2	105	24.9	100	5	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	26.6	106	25.1	100	6	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	24.5	98	23.3	93	5	80-114/11
87-61-6	1,2,3-Trichlorobenzene	ND		25	24.2	97	24.3	97	0	64-126/16
96-18-4	1,2,3-Trichloropropane	ND		25	23.9	96	22.4	90	6	77-115/12
120-82-1	1,2,4-Trichlorobenzene	ND		25	24.2	97	24.4	98	1	68-123/11

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61746
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61745-1MS	F032468.D	1	12/04/08	SH	n/a	n/a	VF815
F61745-1MSD	F032469.D	1	12/04/08	SH	n/a	n/a	VF815
F61745-1	F032457.D	1	12/04/08	SH	n/a	n/a	VF815

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61746-1, F61746-2, F61746-3

CAS No.	Compound	F61745-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		25	24.2	97	23.8	95	2	82-120/10
108-67-8	1,3,5-Trimethylbenzene	ND		25	24.3	97	23.5	94	3	83-123/10
127-18-4	Tetrachloroethylene	ND		25	23.2	93	22.5	90	3	80-131/12
108-88-3	Toluene	ND		25	23.6	94	23.3	93	1	86-116/10
79-01-6	Trichloroethylene	ND		25	23.2	93	22.7	91	2	85-124/10
75-69-4	Trichlorofluoromethane	ND		25	28.7	115	26.2	105	9	66-156/15
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		25	27.6	110	25.3	101	9	51-137/24
75-01-4	Vinyl chloride	ND		25	22.3	89	21.9	88	2	57-153/22
108-05-4	Vinyl Acetate	ND		125	180	144	171	137	5	38-159/11
	m,p-Xylene	ND		50	49.1	98	47.9	96	2	86-121/10
95-47-6	o-Xylene	ND		25	24.4	98	24.0	96	2	83-121/10

CAS No.	Surrogate Recoveries	MS	MSD	F61745-1	Limits
1868-53-7	Dibromofluoromethane	104%	105%	107%	87-116%
17060-07-0	1,2-Dichloroethane-D4	112%	110%	110%	76-127%
2037-26-5	Toluene-D8	98%	98%	102%	86-112%
460-00-4	4-Bromofluorobenzene	96%	97%	99%	84-120%

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61746
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV1896-MB	UV033008.D	1	12/04/08	AH	n/a	n/a	GUV1896

The QC reported here applies to the following samples: **Method:** SW846 8015

F61746-1, F61746-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	81%	57-129%
98-08-8	aaa-Trifluorotoluene	83%	58-120%

Blank Spike Summary

Job Number: F61746
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV1896-BS	UV033007.D	1	12/04/08	AH	n/a	n/a	GUV1896

The QC reported here applies to the following samples: **Method:** SW846 8015

F61746-1, F61746-2

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	0.4	0.361	90	75-129

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	93%	57-129%
98-08-8	aaa-Trifluorotoluene	91%	58-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61746
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61712-2MS	UV033025.D	2	12/05/08	AH	n/a	n/a	GUV1896
F61712-2MSD	UV033027.D	2	12/05/08	AH	n/a	n/a	GUV1896
F61712-2 [a]	UV033010.D	2	12/04/08	AH	n/a	n/a	GUV1896

The QC reported here applies to the following samples: **Method:** SW846 8015

F61746-1, F61746-2

CAS No.	Compound	F61712-2 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	0.709		0.8	1.16	56*	1.14	54*	2	75-129/13

CAS No.	Surrogate Recoveries	MS	MSD	F61712-2	Limits
460-00-4	4-Bromofluorobenzene	87%	84%	87%	57-129%
98-08-8	aaa-Trifluorotoluene	106%	103%	115%	58-120%

(a) Sample re-analyzed beyond hold time; reported results are considered minimum values.

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61746
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27251-MB	LL24121.D	1	11/26/08	ME	11/24/08	OP27251	GLL904

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61746-1, F61746-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.25	0.10	mg/l	
	TPH (> C22-C36)	ND	0.25	0.10	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	98%	42-114%

Blank Spike Summary

Job Number: F61746
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27251-BS	LL24120.D	1	11/26/08	ME	11/24/08	OP27251	GLL904

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61746-1, F61746-2

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH (C10-C22)	1	0.600	60	60-140
	TPH (> C22-C36)	1	0.793	79	60-140

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	65%	42-114%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61746
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27251-MS	LL24124.D	1	11/26/08	ME	11/24/08	OP27251	GLL904
OP27251-MSD	LL24125.D	1	11/26/08	ME	11/24/08	OP27251	GLL904
F61683-2	LL24123.D	1	11/26/08	ME	11/24/08	OP27251	GLL904

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61746-1, F61746-2

CAS No.	Compound	F61683-2 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	0.283		1.92	1.95	87	2.19	99	12	60-140/30
	TPH (> C22-C36)	0.101	J	1.92	2.09	103	2.20	109	5	60-140/30

CAS No.	Surrogate Recoveries	MS	MSD	F61683-2	Limits
84-15-1	o-Terphenyl	93%	100%	99%	42-114%

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: F61746
Account: NWIDIF - North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Solids, Total Dissolved	GN32957	100	<100	mg/l				

Associated Samples:
Batch GN32957: F61746-1, F61746-2
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: F61746
Account: NWIDIF - North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Solids, Total Dissolved	GN32957	F61746-1	mg/l	15300	17300	12.3*(a)	0-5%

Associated Samples:
Batch GN32957: F61746-1, F61746-2
(*) Outside of QC limits
(a) High RPD due to possible sample nonhomogeneity.

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/17/08

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F61886

Sampling Date: 12/01/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **36**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Sections: 1 2 3 4 5 6 7

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **5**
3.1: F61886-1: SS61-TMW82 6
3.2: F61886-2: TRIP BLANK 11
Section 4: Misc. Forms **14**
4.1: Certification Exceptions 15
4.2: Chain of Custody 16
Section 5: GC/MS Volatiles - QC Data Summaries **18**
5.1: Method Blank Summary 19
5.2: Blank Spike Summary 22
5.3: Matrix Spike/Matrix Spike Duplicate Summary 25
Section 6: GC Volatiles - QC Data Summaries **28**
6.1: Method Blank Summary 29
6.2: Blank Spike Summary 30
6.3: Matrix Spike/Matrix Spike Duplicate Summary 31
Section 7: GC Semi-volatiles - QC Data Summaries **32**
7.1: Method Blank Summary 33
7.2: Blank Spike Summary 35
7.3: Matrix Spike/Matrix Spike Duplicate Summary 36

Sample Summary

North Wind, Inc

Job No: F61886

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F61886-1	12/01/08	09:15	ZB	12/02/08	AQ	Ground Water	SS61-TMW82
F61886-2	12/01/08	00:00	ZB	12/02/08	AQ	Trip Blank Water	TRIP BLANK

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F61886

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/17/2008 1:14:15

1 Sample, 1 Trip Blank were collected on 12/01/2008 and received at Accutest on 12/02/2008 properly preserved, at 2.6 Deg. C and intact. These Samples received an Accutest job number of F61886. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VF820

All samples were analyzed within the recommended method holding time.

Sample(s) F61947-20MS, F61947-20MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for 2-Chloroethyl vinyl ether, Acetone, Acrolein, Methyl ethyl ketone are outside control limits.

Matrix Spike Recovery(s) for 2-Chloroethyl vinyl ether, Acrolein are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 2-Chloroethyl vinyl ether, Acrolein are outside control limits. Probable cause due to matrix interference.

RPD(s) for MSD for Acrolein are outside control limits for sample F61947-20MSD. Probable cause due to sample homogeneity.

F61886-1 for Acetone: CCV outside of control limits; results may be biased high.

Volatiles by GC By Method SW846 8015

Matrix: AQ **Batch ID:** GUV1903

All samples were analyzed within the recommended method holding time.

Sample(s) F61912-1MS, F61912-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

F61886-1: Sample was not preserved to a pH < 2; reported results are considered minimum values.

Extractables by GC By Method SW846 8015 M

Matrix: AQ **Batch ID:** OP27370

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F61996-3MS, F61996-3MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

F61886-1 for TPH (C10-C22): Petroleum hydrocarbon pattern begins before C10.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: December 17, 2008

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-TMW82		
Lab Sample ID:	F61886-1	**Date Sampled:**	12/01/08
Matrix:	AQ - Ground Water	**Date Received:**	12/02/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F032611.D	10	12/11/08	SH	n/a	n/a	VF820
Run #2	F032617.D	100	12/11/08	SH	n/a	n/a	VF820

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	441	250	100	ug/l	J
75-05-8	Acetonitrile	ND	200	50	ug/l	
107-02-8	Acrolein	ND	200	50	ug/l	
107-13-1	Acrylonitrile	ND	100	20	ug/l	
107-05-1	Allyl chloride	ND	100	20	ug/l	
71-43-2	Benzene	3240 [b]	100	40	ug/l	
100-44-7	Benzyl Chloride	ND	20	3.6	ug/l	
108-86-1	Bromobenzene	ND	10	2.6	ug/l	
74-97-5	Bromochloromethane	ND	10	2.3	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.0	ug/l	
75-25-2	Bromoform	ND	10	3.3	ug/l	
104-51-8	n-Butylbenzene	ND	10	2.8	ug/l	
135-98-8	sec-Butylbenzene	9.1	10	2.5	ug/l	J
98-06-6	tert-Butylbenzene	7.3	10	3.2	ug/l	J
108-90-7	Chlorobenzene	ND	10	2.2	ug/l	
75-00-3	Chloroethane	ND	20	4.8	ug/l	
67-66-3	Chloroform	ND	10	2.8	ug/l	
544-10-5	1-Chlorohexane	ND	20	2.7	ug/l	
95-49-8	o-Chlorotoluene	ND	10	2.5	ug/l	
106-43-4	p-Chlorotoluene	ND	10	2.1	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	50	10	ug/l	
75-15-0	Carbon disulfide	ND	20	4.0	ug/l	
56-23-5	Carbon tetrachloride	ND	10	2.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	2.4	ug/l	
75-35-4	1,1-Dichloroethylene	ND	10	5.4	ug/l	
563-58-6	1,1-Dichloropropene	ND	10	2.3	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	20	3.2	ug/l	
106-93-4	1,2-Dibromoethane	ND	10	2.8	ug/l	
107-06-2	1,2-Dichloroethane	3.7	10	3.4	ug/l	J
78-87-5	1,2-Dichloropropane	ND	10	2.1	ug/l	
142-28-9	1,3-Dichloropropane	ND	10	2.6	ug/l	
594-20-7	2,2-Dichloropropane	ND	10	2.8	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW82		
Lab Sample ID:	F61886-1	**Date Sampled:**	12/01/08
Matrix:	AQ - Ground Water	**Date Received:**	12/02/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	10	2.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	20	10	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	10	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.1	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	100	10	ug/l	
541-73-1	m-Dichlorobenzene	ND	10	2.3	ug/l	
95-50-1	o-Dichlorobenzene	2.9	10	2.0	ug/l	J
106-46-7	p-Dichlorobenzene	ND	10	2.2	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	10	4.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	2.1	ug/l	
100-41-4	Ethylbenzene	721	10	4.3	ug/l	
97-63-2	Ethyl methacrylate	ND	50	10	ug/l	
76-13-1	Freon 113	ND	10	3.4	ug/l	
591-78-6	2-Hexanone	ND	100	50	ug/l	
87-68-3	Hexachlorobutadiene	ND	20	6.9	ug/l	
110-54-3	Hexane	ND	20	5.0	ug/l	
98-82-8	Isopropylbenzene	2600 [b]	100	20	ug/l	
99-87-6	p-Isopropyltoluene	ND	10	3.2	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	50	20	ug/l	
126-98-7	Methacrylonitrile	ND	200	50	ug/l	
74-83-9	Methyl bromide	ND	20	7.8	ug/l	
74-87-3	Methyl chloride	ND	20	6.1	ug/l	
74-88-4	Methyl iodide	ND	50	10	ug/l	
80-62-6	Methyl methacrylate	ND	50	10	ug/l	
74-95-3	Methylene bromide	ND	20	3.0	ug/l	
75-09-2	Methylene chloride	ND	50	10	ug/l	
78-93-3	Methyl ethyl ketone	ND	50	20	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	2.6	ug/l	
91-20-3	Naphthalene	ND	50	10	ug/l	
76-01-7	Pentachloroethane	ND	100	20	ug/l	
107-12-0	Propionitrile	ND	200	100	ug/l	
103-65-1	n-Propylbenzene	78.4	10	2.5	ug/l	
100-42-5	Styrene	ND	10	3.6	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	10	2.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	3.3	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	2.1	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	2.6	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	10	5.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	20	3.4	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	10	5.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW82		
Lab Sample ID:	F61886-1	**Date Sampled:**	12/01/08
Matrix:	AQ - Ground Water	**Date Received:**	12/02/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	20	2.2	ug/l	
108-67-8	1,3,5-Trimethylbenzene	3.7	20	2.0	ug/l	J
127-18-4	Tetrachloroethylene	ND	10	2.2	ug/l	
108-88-3	Toluene	10.0	10	3.5	ug/l	
79-01-6	Trichloroethylene	11.4	10	3.2	ug/l	
75-69-4	Trichlorofluoromethane	ND	20	5.0	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	100	20	ug/l	
75-01-4	Vinyl chloride	ND	10	3.0	ug/l	
108-05-4	Vinyl Acetate	ND	100	36	ug/l	
	m,p-Xylene	10.2	20	7.8	ug/l	J
95-47-6	o-Xylene	10.6	10	3.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%	109%	87-116%
17060-07-0	1,2-Dichloroethane-D4	111%	112%	76-127%
2037-26-5	Toluene-D8	98%	100%	86-112%
460-00-4	4-Bromofluorobenzene	103%	104%	84-120%

(a) CCV outside of control limits; results may be biased high.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW82		
Lab Sample ID:	F61886-1	**Date Sampled:**	12/01/08
Matrix:	AQ - Ground Water	**Date Received:**	12/02/08
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	UV033134.D	40	12/12/08	AH	n/a	n/a	GUV1903
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	14.5	4.0	2.0	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	98%		57-129%
98-08-8	aaa-Trifluorotoluene	87%		58-120%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW82		
Lab Sample ID:	F61886-1	**Date Sampled:**	12/01/08
Matrix:	AQ - Ground Water	**Date Received:**	12/02/08
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24498.D	1	12/12/08	NY	12/08/08	OP27370	GLL913
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22) [a]	1.35	0.24	0.095	mg/l	
	TPH (> C22-C36)	0.182	0.24	0.095	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	98%		42-114%

(a) Petroleum hydrocarbon pattern begins before C10.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61886-2	**Date Sampled:**	12/01/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/02/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F032607.D	1	12/11/08	SH	n/a	n/a	VF820
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61886-2	**Date Sampled:**	12/01/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/02/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61886-2	**Date Sampled:**	12/01/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/02/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	ND	2.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		87-116%
17060-07-0	1,2-Dichloroethane-D4	108%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	104%		84-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

Parameter Certification Exceptions

Job Number: F61886
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

The following parameters included in this report are exceptions to NELAC certification.
The certification status of each is indicated below.

Parameter	CAS#	Method	Mat	Certification Status
Freon 113	76-13-1	**SW846 8260B**	AQ	Certified by SOP MS005

BHATE

Environmental Engineers and Scientists

F61886

Chain of Custody and Analytical Request

Page 1 of 1

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number [1]: 12-1-2008-2

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Zack Beck / Dustin McNeil

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)					Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
1	SS61-TMW82	SS61-TMW82	11-2-2008	0915	-	N	01	WG	6	X	X	X									2
2	Trip Blank				-	TB		WQ	2	X											2
					-																
					-																
					-																
					-																
					-																
					-																
					-																
					-																
					-																

Sample Analysis Requested [5] | Quality Assurance Samples [6]

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time		Received by (signed)	Date	Time
1.		12-1-2008	1900	1.		12-2-08	0930
2.				2.			
3.				3.			

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: _____ Shipped No.: _____

Method of Shipment: _____ Airbill Number: _____

Analytical Lab: Accutest Laboratories Delivery Location: _____

Lab Recipient: _____ Delivery Date/Time: _____

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

26

F61886: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61886 CLIENT: Blate PROJECT: SS-61

DATE/TIME RECEIVED: 12.2.08 09:30 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.6

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8651 5824 0419

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [X] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 0

NUMBER OF 5035 FIELD KITS ? 0

NUMBER OF LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS: only received 2 vials (8260) ; (602) samp #1

TECHNICIAN SIGNATURE/DATE ET 12.2.8 TECHNICIAN SIGNATURE/DATE ASBD 12/17/07

4.2 4

F61886: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61886
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF820-MB	F032606.D	1	12/11/08	SH	n/a	n/a	VF820

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61886-1, F61886-2

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

Method Blank Summary

Job Number: F61886
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF820-MB	F032606.D	1	12/11/08	SH	n/a	n/a	VF820

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61886-1, F61886-2

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

Method Blank Summary

Job Number: F61886
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF820-MB	F032606.D	1	12/11/08	SH	n/a	n/a	VF820

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61886-1, F61886-2

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	ND	2.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	107%	87-116%
17060-07-0	1,2-Dichloroethane-D4	106%	76-127%
2037-26-5	Toluene-D8	101%	86-112%
460-00-4	4-Bromofluorobenzene	100%	84-120%

Blank Spike Summary

Job Number: F61886
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF820-BS	F032605.D	1	12/11/08	SH	n/a	n/a	VF820

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61886-1, F61886-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	175	140*	59-134
75-05-8	Acetonitrile	250	257	103	57-123
107-02-8	Acrolein	125	30.4	24*	33-157
107-13-1	Acrylonitrile	125	120	96	62-124
107-05-1	Allyl chloride	25	28.0	112	48-136
71-43-2	Benzene	25	26.1	104	83-124
100-44-7	Benzyl Chloride	25	24.2	97	61-118
108-86-1	Bromobenzene	25	24.9	100	83-115
74-97-5	Bromochloromethane	25	21.7	87	78-112
75-27-4	Bromodichloromethane	25	25.0	100	76-116
75-25-2	Bromoform	25	24.7	99	68-128
104-51-8	n-Butylbenzene	25	26.8	107	84-124
135-98-8	sec-Butylbenzene	25	26.3	105	86-127
98-06-6	tert-Butylbenzene	25	26.9	108	83-126
108-90-7	Chlorobenzene	25	24.7	99	87-115
75-00-3	Chloroethane	25	24.0	96	54-166
67-66-3	Chloroform	25	27.4	110	85-123
544-10-5	1-Chlorohexane	25	24.9	100	87-128
95-49-8	o-Chlorotoluene	25	27.0	108	84-121
106-43-4	p-Chlorotoluene	25	26.7	107	84-120
110-75-8	2-Chloroethyl vinyl ether	125	181	145*	63-125
75-15-0	Carbon disulfide	25	24.1	96	67-147
56-23-5	Carbon tetrachloride	25	28.5	114	74-139
75-34-3	1,1-Dichloroethane	25	26.5	106	82-127
75-35-4	1,1-Dichloroethylene	25	27.2	109	75-133
563-58-6	1,1-Dichloropropene	25	27.3	109	87-127
96-12-8	1,2-Dibromo-3-chloropropane	25	28.8	115	61-118
106-93-4	1,2-Dibromoethane	25	24.1	96	80-115
107-06-2	1,2-Dichloroethane	25	25.3	101	76-122
78-87-5	1,2-Dichloropropane	25	25.0	100	81-120
142-28-9	1,3-Dichloropropane	25	24.4	98	81-113
594-20-7	2,2-Dichloropropane	25	29.4	118	77-138
124-48-1	Dibromochloromethane	25	25.2	101	74-116
75-71-8	Dichlorodifluoromethane	25	20.6	82	34-158
156-59-2	cis-1,2-Dichloroethylene	25	25.0	100	81-114
10061-01-5	cis-1,3-Dichloropropene	25	26.6	106	83-119

Blank Spike Summary

Job Number: F61886
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF820-BS	F032605.D	1	12/11/08	SH	n/a	n/a	VF820

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61886-1, F61886-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	25	24.9	100	41-130
541-73-1	m-Dichlorobenzene	25	25.7	103	86-115
95-50-1	o-Dichlorobenzene	25	26.4	106	85-115
106-46-7	p-Dichlorobenzene	25	25.2	101	87-113
156-60-5	trans-1,2-Dichloroethylene	25	26.0	104	82-126
10061-02-6	trans-1,3-Dichloropropene	25	26.6	106	87-123
100-41-4	Ethylbenzene	25	26.3	105	87-118
97-63-2	Ethyl methacrylate	25	22.4	90	68-110
76-13-1	Freon 113	25	25.5	102	74-139
591-78-6	2-Hexanone	125	135	108	58-125
87-68-3	Hexachlorobutadiene	25	32.3	129	71-133
110-54-3	Hexane	25	26.4	106	71-134
98-82-8	Isopropylbenzene	25	26.0	104	87-131
99-87-6	p-Isopropyltoluene	25	26.1	104	83-125
108-10-1	4-Methyl-2-pentanone	125	124	99	62-125
126-98-7	Methacrylonitrile	250	253	101	62-133
74-83-9	Methyl bromide	25	25.1	100	55-151
74-87-3	Methyl chloride	25	26.8	107	55-173
74-88-4	Methyl iodide	25	21.9	88	72-125
80-62-6	Methyl methacrylate	25	26.6	106	63-115
74-95-3	Methylene bromide	25	25.5	102	81-116
75-09-2	Methylene chloride	25	27.2	109	69-125
78-93-3	Methyl ethyl ketone	125	169	135*	61-127
1634-04-4	Methyl Tert Butyl Ether	25	24.4	98	75-116
91-20-3	Naphthalene	25	27.9	112	59-125
76-01-7	Pentachloroethane	25	27.3	109	82-111
107-12-0	Propionitrile	250	241	96	69-119
103-65-1	n-Propylbenzene	25	27.1	108	86-125
100-42-5	Styrene	25	23.6	94	78-118
630-20-6	1,1,1,2-Tetrachloroethane	25	25.5	102	81-119
71-55-6	1,1,1-Trichloroethane	25	28.6	114	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	24.3	97	71-120
79-00-5	1,1,2-Trichloroethane	25	23.4	94	80-114
87-61-6	1,2,3-Trichlorobenzene	25	27.7	111	64-126
96-18-4	1,2,3-Trichloropropane	25	22.1	88	77-115
120-82-1	1,2,4-Trichlorobenzene	25	28.4	114	68-123

Blank Spike Summary

Job Number: F61886
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF820-BS	F032605.D	1	12/11/08	SH	n/a	n/a	VF820

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61886-1, F61886-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	25	25.9	104	82-120
108-67-8	1,3,5-Trimethylbenzene	25	25.7	103	83-123
127-18-4	Tetrachloroethylene	25	25.4	102	80-131
108-88-3	Toluene	25	25.5	102	86-116
79-01-6	Trichloroethylene	25	26.4	106	85-124
75-69-4	Trichlorofluoromethane	25	26.5	106	66-156
110-57-6	Trans-1,4-Dichloro-2-Butene	25	26.5	106	51-137
75-01-4	Vinyl chloride	25	26.0	104	57-153
108-05-4	Vinyl Acetate	125	161	129	38-159
	m,p-Xylene	50	54.5	109	86-121
95-47-6	o-Xylene	25	24.7	99	83-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	107%	76-127%
2037-26-5	Toluene-D8	97%	86-112%
460-00-4	4-Bromofluorobenzene	102%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61886
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61947-20MS	F032622.D	1	12/11/08	SH	n/a	n/a	VF820
F61947-20MSD	F032623.D	1	12/11/08	SH	n/a	n/a	VF820
F61947-20	F032621.D	1	12/11/08	SH	n/a	n/a	VF820

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61886-1, F61886-2

CAS No.	Compound	F61947-20 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	147	118	148	118	1	59-134/14
75-05-8	Acetonitrile	ND		250	230	92	218	87	5	57-123/15
107-02-8	Acrolein	ND		125	26.9	22*	11.6	9*	79*	33-157/21
107-13-1	Acrylonitrile	ND		125	117	94	113	90	3	62-124/13
107-05-1	Allyl chloride	ND		25	26.2	105	25.7	103	2	48-136/13
71-43-2	Benzene	11.6		25	39.3	111	38.0	106	3	83-124/11
100-44-7	Benzyl Chloride	ND		25	21.7	87	21.8	87	0	61-118/12
108-86-1	Bromobenzene	ND		25	23.8	95	24.0	96	1	83-115/10
74-97-5	Bromochloromethane	ND		25	21.7	87	21.6	86	0	78-112/10
75-27-4	Bromodichloromethane	ND		25	26.5	106	26.1	104	2	76-116/10
75-25-2	Bromoform	ND		25	24.8	99	23.9	96	4	68-128/11
104-51-8	n-Butylbenzene	ND		25	25.5	102	25.2	101	1	84-124/10
135-98-8	sec-Butylbenzene	ND		25	25.2	101	25.0	100	1	86-127/10
98-06-6	tert-Butylbenzene	ND		25	25.8	103	25.7	103	0	83-126/10
108-90-7	Chlorobenzene	ND		25	24.5	98	24.0	96	2	87-115/9
75-00-3	Chloroethane	ND		25	28.4	114	26.5	106	7	54-166/20
67-66-3	Chloroform	ND		25	28.9	116	28.1	112	3	85-123/10
544-10-5	1-Chlorohexane	ND		25	23.0	92	22.9	92	0	87-128/10
95-49-8	o-Chlorotoluene	ND		25	26.3	105	26.1	104	1	84-121/10
106-43-4	p-Chlorotoluene	ND		25	26.3	105	26.0	104	1	84-120/10
110-75-8	2-Chloroethyl vinyl ether	ND		125	ND	0*	ND	0*	nc	63-125/24
75-15-0	Carbon disulfide	ND		25	24.8	99	23.8	95	4	67-147/12
56-23-5	Carbon tetrachloride	ND		25	30.4	122	28.8	115	5	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	28.0	112	27.0	108	4	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	30.9	124	29.1	116	6	75-133/13
563-58-6	1,1-Dichloropropene	ND		25	26.7	107	26.4	106	1	87-127/10
96-12-8	1,2-Dibromo-3-chloropropane	ND		25	26.5	106	26.5	106	0	61-118/15
106-93-4	1,2-Dibromoethane	ND		25	22.7	91	22.8	91	0	80-115/10
107-06-2	1,2-Dichloroethane	ND		25	27.5	110	26.7	107	3	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	24.2	97	23.9	96	1	81-120/11
142-28-9	1,3-Dichloropropane	ND		25	23.0	92	22.7	91	1	81-113/11
594-20-7	2,2-Dichloropropane	ND		25	30.2	121	29.1	116	4	77-138/12
124-48-1	Dibromochloromethane	ND		25	25.0	100	24.9	100	0	74-116/11
75-71-8	Dichlorodifluoromethane	ND		25	20.6	82	21.0	84	2	34-158/22
156-59-2	cis-1,2-Dichloroethylene	ND		25	24.6	98	24.1	96	2	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	25.2	101	24.9	100	1	83-119/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61886
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61947-20MS	F032622.D	1	12/11/08	SH	n/a	n/a	VF820
F61947-20MSD	F032623.D	1	12/11/08	SH	n/a	n/a	VF820
F61947-20	F032621.D	1	12/11/08	SH	n/a	n/a	VF820

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61886-1, F61886-2

CAS No.	Compound	F61947-20 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		25	22.6	90	22.3	89	1	41-130/33
541-73-1	m-Dichlorobenzene	ND		25	24.5	98	24.4	98	0	86-115/9
95-50-1	o-Dichlorobenzene	ND		25	25.0	100	25.2	101	1	85-115/9
106-46-7	p-Dichlorobenzene	ND		25	24.3	97	24.2	97	0	87-113/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	26.7	107	26.0	104	3	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	25.9	104	25.8	103	0	87-123/10
100-41-4	Ethylbenzene	0.45	J	25	26.7	105	26.1	103	2	87-118/10
97-63-2	Ethyl methacrylate	ND		25	20.7	83	20.8	83	0	68-110/11
76-13-1	Freon 113	ND		25	29.5	118	26.2	105	12	74-139/13
591-78-6	2-Hexanone	ND		125	121	97	120	96	1	58-125/14
87-68-3	Hexachlorobutadiene	ND		25	28.5	114	28.2	113	1	71-133/12
110-54-3	Hexane	ND		25	26.9	108	25.4	102	6	71-134/11
98-82-8	Isopropylbenzene	ND		25	24.7	99	24.1	96	2	87-131/10
99-87-6	p-Isopropyltoluene	ND		25	25.3	101	25.3	101	0	83-125/9
108-10-1	4-Methyl-2-pentanone	ND		125	116	93	114	91	2	62-125/13
126-98-7	Methacrylonitrile	ND		250	251	100	244	98	3	62-133/17
74-83-9	Methyl bromide	ND		25	31.5	126	28.9	116	9	55-151/21
74-87-3	Methyl chloride	ND		25	25.3	101	25.8	103	2	55-173/22
74-88-4	Methyl iodide	ND		25	22.4	90	21.7	87	3	72-125/11
80-62-6	Methyl methacrylate	ND		25	23.7	95	24.3	97	3	63-115/10
74-95-3	Methylene bromide	ND		25	25.9	104	25.3	101	2	81-116/10
75-09-2	Methylene chloride	ND		25	27.0	108	26.1	104	3	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	129	103	124	99	4	61-127/13
1634-04-4	Methyl Tert Butyl Ether	ND		25	23.9	96	23.9	96	0	75-116/10
91-20-3	Naphthalene	ND		25	24.7	99	24.8	99	0	59-125/15
76-01-7	Pentachloroethane	ND		25	26.2	105	26.2	105	0	82-111/8
107-12-0	Propionitrile	ND		250	232	93	225	90	3	69-119/12
103-65-1	n-Propylbenzene	ND		25	26.4	106	25.6	102	3	86-125/10
100-42-5	Styrene	ND		25	23.3	93	22.9	92	2	78-118/11
630-20-6	1,1,1,2-Tetrachloroethane	ND		25	25.3	101	25.0	100	1	81-119/10
71-55-6	1,1,1-Trichloroethane	ND		25	30.1	120	28.7	115	5	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	23.3	93	22.7	91	3	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	22.9	92	22.5	90	2	80-114/11
87-61-6	1,2,3-Trichlorobenzene	ND		25	24.5	98	24.6	98	0	64-126/16
96-18-4	1,2,3-Trichloropropane	ND		25	21.5	86	21.5	86	0	77-115/12
120-82-1	1,2,4-Trichlorobenzene	ND		25	25.4	102	25.7	103	1	68-123/11

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61886
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61947-20MS	F032622.D	1	12/11/08	SH	n/a	n/a	VF820
F61947-20MSD	F032623.D	1	12/11/08	SH	n/a	n/a	VF820
F61947-20	F032621.D	1	12/11/08	SH	n/a	n/a	VF820

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61886-1, F61886-2

CAS No.	Compound	F61947-20 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		25	25.6	102	25.5	102	0	82-120/10
108-67-8	1,3,5-Trimethylbenzene	ND		25	24.7	99	24.3	97	2	83-123/10
127-18-4	Tetrachloroethylene	ND		25	23.8	95	23.2	93	3	80-131/12
108-88-3	Toluene	ND		25	24.7	99	24.1	96	2	86-116/10
79-01-6	Trichloroethylene	ND		25	26.6	106	26.3	105	1	85-124/10
75-69-4	Trichlorofluoromethane	ND		25	31.9	128	29.2	117	9	66-156/15
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		25	24.3	97	24.2	97	0	51-137/24
75-01-4	Vinyl chloride	ND		25	26.6	106	27.3	109	3	57-153/22
108-05-4	Vinyl Acetate	ND		125	161	129	156	125	3	38-159/11
	m,p-Xylene	ND		50	54.7	109	53.5	107	2	86-121/10
95-47-6	o-Xylene	ND		25	24.0	96	23.8	95	1	83-121/10

CAS No.	Surrogate Recoveries	MS	MSD	F61947-20	Limits
1868-53-7	Dibromofluoromethane	111%	109%	110%	87-116%
17060-07-0	1,2-Dichloroethane-D4	116%	115%	115%	76-127%
2037-26-5	Toluene-D8	96%	95%	101%	86-112%
460-00-4	4-Bromofluorobenzene	100%	101%	105%	84-120%

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61886
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV1903-MB	UV033129.D	1	12/12/08	AH	n/a	n/a	GUV1903

The QC reported here applies to the following samples: **Method:** SW846 8015

F61886-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	103%	57-129%
98-08-8	aaa-Trifluorotoluene	91%	58-120%

Blank Spike Summary

Job Number: F61886
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV1903-BS	UV033128.D	1	12/12/08	AH	n/a	n/a	GUV1903

The QC reported here applies to the following samples: **Method:** SW846 8015

F61886-1

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	0.4	0.411	103	75-129

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	104%	57-129%
98-08-8	aaa-Trifluorotoluene	89%	58-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61886
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61912-1MS	UV033141.D	1	12/12/08	AH	n/a	n/a	GUV1903
F61912-1MSD	UV033142.D	1	12/12/08	AH	n/a	n/a	GUV1903
F61912-1	UV033136.D	1	12/12/08	AH	n/a	n/a	GUV1903

The QC reported here applies to the following samples: **Method:** SW846 8015

F61886-1

CAS No.	Compound	F61912-1 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		0.4	0.391	98	0.420	105	7	75-129/13

CAS No.	Surrogate Recoveries	MS	MSD	F61912-1	Limits
460-00-4	4-Bromofluorobenzene	105%	96%	92%	57-129%
98-08-8	aaa-Trifluorotoluene	100%	97%	99%	58-120%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61886
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27370-MB	LL24472.D	1	12/11/08	NY	12/08/08	OP27370	GLL912

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61886-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.25	0.10	mg/l	
	TPH (> C22-C36)	ND	0.25	0.10	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	88%	42-114%

Method Blank Summary

Job Number: F61886
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27370-MB	LL24497.D	1	12/12/08	NY	12/08/08	OP27370	GLL913

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61886-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.25	0.10	mg/l	
	TPH (> C22-C36)	ND	0.25	0.10	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	85%	42-114%

Blank Spike Summary

Job Number: F61886
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27370-BS	LL24471.D	1	12/11/08	NY	12/08/08	OP27370	GLL912

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61886-1

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH (C10-C22)	1	0.992	99	60-140
	TPH (> C22-C36)	1	1.10	110	60-140

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	103%	42-114%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61886
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27370-MS	LL24488.D	1	12/12/08	NY	12/08/08	OP27370	GLL912
OP27370-MSD	LL24489.D	1	12/12/08	NY	12/08/08	OP27370	GLL912
F61996-3	LL24487.D	1	12/12/08	NY	12/08/08	OP27370	GLL912

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61886-1

CAS No.	Compound	F61996-3 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		1.92	1.94	101	1.74	90	11	60-140/30
	TPH (> C22-C36)	ND		1.92	2.17	113	2.04	106	6	60-140/30

CAS No.	Surrogate Recoveries	MS	MSD	F61996-3	Limits
84-15-1	o-Terphenyl	104%	95%	83%	42-114%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/17/08

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F61905

Sampling Date: 12/02/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **36**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Note: This report is password protected to disallow document modification or assembly.
A password to unlock this report is available from your client service representative.

Sections: 1 2 3 4 5 6 7

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **5**
3.1: F61905-1: SS61-TMW83 6
3.2: F61905-2: TRIP BLANK 11
Section 4: Misc. Forms **14**
4.1: Certification Exceptions 15
4.2: Chain of Custody 16
Section 5: GC/MS Volatiles - QC Data Summaries **18**
5.1: Method Blank Summary 19
5.2: Blank Spike Summary 22
5.3: Matrix Spike/Matrix Spike Duplicate Summary 25
Section 6: GC Volatiles - QC Data Summaries **28**
6.1: Method Blank Summary 29
6.2: Blank Spike Summary 30
6.3: Matrix Spike/Matrix Spike Duplicate Summary 31
Section 7: GC Semi-volatiles - QC Data Summaries **32**
7.1: Method Blank Summary 33
7.2: Blank Spike Summary 35
7.3: Matrix Spike/Matrix Spike Duplicate Summary 36

Sample Summary

North Wind, Inc

Job No: F61905

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F61905-1	12/02/08	09:50	DM	12/03/08	AQ	Ground Water	SS61-TMW83
F61905-2	12/02/08	00:00	DM	12/03/08	AQ	Trip Blank Water	TRIP BLANK

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F61905

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/17/2008 1:19:47

1 Sample, 1 Trip Blank were collected on 12/02/2008 and received at Accutest on 12/03/2008 properly preserved, at 2.8 Deg. C and intact. These Samples received an Accutest job number of F61905. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VF820

All samples were analyzed within the recommended method holding time.

Sample(s) F61947-20MS, F61947-20MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for 2-Chloroethyl vinyl ether, Acetone, Acrolein, Methyl ethyl ketone are outside control limits.

Matrix Spike Recovery(s) for 2-Chloroethyl vinyl ether, Acrolein are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 2-Chloroethyl vinyl ether, Acrolein are outside control limits. Probable cause due to matrix interference.

RPD(s) for MSD for Acrolein are outside control limits for sample F61947-20MSD. Probable cause due to sample homogeneity.

Volatiles by GC By Method SW846 8015

Matrix: AQ **Batch ID:** GUV1903

All samples were analyzed within the recommended method holding time.

Sample(s) F61912-1MS, F61912-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

F61905-1: Sample was not preserved to a pH < 2; reported results are considered minimum values.

Extractables by GC By Method SW846 8015 M

Matrix: AQ **Batch ID:** OP27370

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F61996-3MS, F61996-3MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

F61905-1 for TPH (C10-C22): Petroleum hydrocarbon pattern begins before C10.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

Date: December 17, 2008

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-TMW83		
Lab Sample ID:	F61905-1	**Date Sampled:**	12/02/08
Matrix:	AQ - Ground Water	**Date Received:**	12/03/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F032612.D	10	12/11/08	SH	n/a	n/a	VF820
Run #2	F032618.D	500	12/11/08	SH	n/a	n/a	VF820

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	250	100	ug/l	
75-05-8	Acetonitrile	ND	200	50	ug/l	
107-02-8	Acrolein	ND	200	50	ug/l	
107-13-1	Acrylonitrile	ND	100	20	ug/l	
107-05-1	Allyl chloride	ND	100	20	ug/l	
71-43-2	Benzene	15600 [a]	500	200	ug/l	
100-44-7	Benzyl Chloride	ND	20	3.6	ug/l	
108-86-1	Bromobenzene	ND	10	2.6	ug/l	
74-97-5	Bromochloromethane	ND	10	2.3	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.0	ug/l	
75-25-2	Bromoform	ND	10	3.3	ug/l	
104-51-8	n-Butylbenzene	ND	10	2.8	ug/l	
135-98-8	sec-Butylbenzene	3.7	10	2.5	ug/l	J
98-06-6	tert-Butylbenzene	3.5	10	3.2	ug/l	J
108-90-7	Chlorobenzene	ND	10	2.2	ug/l	
75-00-3	Chloroethane	ND	20	4.8	ug/l	
67-66-3	Chloroform	ND	10	2.8	ug/l	
544-10-5	1-Chlorohexane	ND	20	2.7	ug/l	
95-49-8	o-Chlorotoluene	ND	10	2.5	ug/l	
106-43-4	p-Chlorotoluene	ND	10	2.1	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	50	10	ug/l	
75-15-0	Carbon disulfide	ND	20	4.0	ug/l	
56-23-5	Carbon tetrachloride	ND	10	2.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	2.4	ug/l	
75-35-4	1,1-Dichloroethylene	ND	10	5.4	ug/l	
563-58-6	1,1-Dichloropropene	ND	10	2.3	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	20	3.2	ug/l	
106-93-4	1,2-Dibromoethane	ND	10	2.8	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	3.4	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	2.1	ug/l	
142-28-9	1,3-Dichloropropane	ND	10	2.6	ug/l	
594-20-7	2,2-Dichloropropane	ND	10	2.8	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW83		
Lab Sample ID:	F61905-1	**Date Sampled:**	12/02/08
Matrix:	AQ - Ground Water	**Date Received:**	12/03/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	10	2.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	20	10	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	10	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.1	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	100	10	ug/l	
541-73-1	m-Dichlorobenzene	ND	10	2.3	ug/l	
95-50-1	o-Dichlorobenzene	ND	10	2.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	10	2.2	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	10	4.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	2.1	ug/l	
100-41-4	Ethylbenzene	1000 [a]	500	220	ug/l	
97-63-2	Ethyl methacrylate	ND	50	10	ug/l	
76-13-1	Freon 113	ND	10	3.4	ug/l	
591-78-6	2-Hexanone	ND	100	50	ug/l	
87-68-3	Hexachlorobutadiene	ND	20	6.9	ug/l	
110-54-3	Hexane	ND	20	5.0	ug/l	
98-82-8	Isopropylbenzene	798 [a]	500	100	ug/l	
99-87-6	p-Isopropyltoluene	ND	10	3.2	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	50	20	ug/l	
126-98-7	Methacrylonitrile	ND	200	50	ug/l	
74-83-9	Methyl bromide	ND	20	7.8	ug/l	
74-87-3	Methyl chloride	ND	20	6.1	ug/l	
74-88-4	Methyl iodide	ND	50	10	ug/l	
80-62-6	Methyl methacrylate	ND	50	10	ug/l	
74-95-3	Methylene bromide	ND	20	3.0	ug/l	
75-09-2	Methylene chloride	ND	50	10	ug/l	
78-93-3	Methyl ethyl ketone	ND	50	20	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	2.6	ug/l	
91-20-3	Naphthalene	ND	50	10	ug/l	
76-01-7	Pentachloroethane	ND	100	20	ug/l	
107-12-0	Propionitrile	ND	200	100	ug/l	
103-65-1	n-Propylbenzene	32.2	10	2.5	ug/l	
100-42-5	Styrene	ND	10	3.6	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	10	2.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	3.3	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	2.1	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	2.6	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	10	5.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	20	3.4	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	10	5.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW83		
Lab Sample ID:	F61905-1	**Date Sampled:**	12/02/08
Matrix:	AQ - Ground Water	**Date Received:**	12/03/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	6.4	20	2.2	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	ND	20	2.0	ug/l	
127-18-4	Tetrachloroethylene	ND	10	2.2	ug/l	
108-88-3	Toluene	14.1	10	3.5	ug/l	
79-01-6	Trichloroethylene	ND	10	3.2	ug/l	
75-69-4	Trichlorofluoromethane	ND	20	5.0	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	100	20	ug/l	
75-01-4	Vinyl chloride	ND	10	3.0	ug/l	
108-05-4	Vinyl Acetate	ND	100	36	ug/l	
	m,p-Xylene	29.2	20	7.8	ug/l	
95-47-6	o-Xylene	27.8	10	3.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%	109%	87-116%
17060-07-0	1,2-Dichloroethane-D4	110%	114%	76-127%
2037-26-5	Toluene-D8	97%	100%	86-112%
460-00-4	4-Bromofluorobenzene	104%	103%	84-120%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW83		
Lab Sample ID:	F61905-1	**Date Sampled:**	12/02/08
Matrix:	AQ - Ground Water	**Date Received:**	12/03/08
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	UV033132.D	100	12/12/08	AH	n/a	n/a	GUV1903
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	39.7	10	5.0	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	97%		57-129%
98-08-8	aaa-Trifluorotoluene	93%		58-120%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW83		
Lab Sample ID:	F61905-1	**Date Sampled:**	12/02/08
Matrix:	AQ - Ground Water	**Date Received:**	12/03/08
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24499.D	2	12/12/08	NY	12/08/08	OP27370	GLL913
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22) [a]	1.95	0.48	0.19	mg/l	
	TPH (> C22-C36)	0.256	0.48	0.19	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	97%		42-114%

(a) Petroleum hydrocarbon pattern begins before C10.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61905-2	**Date Sampled:**	12/02/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/03/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F032608.D	1	12/11/08	SH	n/a	n/a	VF820
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61905-2	**Date Sampled:**	12/02/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/03/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61905-2	**Date Sampled:**	12/02/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/03/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	ND	2.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		87-116%
17060-07-0	1,2-Dichloroethane-D4	110%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	102%		84-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

Parameter Certification Exceptions

Job Number: F61905
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

The following parameters included in this report are exceptions to NELAC certification.
The certification status of each is indicated below.

Parameter	CAS#	Method	Mat	Certification Status
Freon 113	76-13-1	**SW846 8260B**	AQ	Certified by SOP MS005

F61905

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

Page 1 of 1

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number (1): 12-02-2008 -1

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Dustin McNeil

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code (2)	Sample Number (3)	Sample Matrix (4)	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)						Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
									Sample Analysis Requested (5)										Quality Assurance Samples (6)			
1	SS61-TMW83	SS61-TMW83	02-12-2008	0950	-	N	01	WG	6	X	X	X										1
2	Trip Blank				-	TB		WQ	2	X												1
					-																	
					-																	
					-																	
					-																	
					-																	
					-																	
					-																	
					-																	
					-																	

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time		Received by (signed)	Date	Time
1.	[signature]	12/2/08	1400	1.	FX		
2.	FX	12/3/08	9:30	2.	[signature]	12/3/08	9:30
3.				3.			

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: _____ Shipped No.: _____

Method of Shipment: _____ Airbill Number: _____

Analytical Lab: Accutest Laboratories Delivery Location: _____

Lab Recipient: _____ Delivery Date/Time: _____

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

4.2 4

F61905: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61905 CLIENT: BHATE PROJECT: SS-61

DATE/TIME RECEIVED: 12/3/08 9:30 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.8

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8657 5824 2577.

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [X] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [X] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? Ø

NUMBER OF 5035 FIELD KITS ? Ø

NUMBER OF LAB FILTERED METALS ? Ø

SUMMARY OF COMMENTS: Received only 2 vials (8260 and GRO) Sample #1

TECHNICIAN SIGNATURE/DATE CR 12/3/08 TECHNICIAN SIGNATURE/DATE JC 12-3-08 ASBD 12/17/07

4.2 4

F61905: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61905
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF820-MB	F032606.D	1	12/11/08	SH	n/a	n/a	VF820

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61905-1, F61905-2

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

Method Blank Summary

Job Number: F61905
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF820-MB	F032606.D	1	12/11/08	SH	n/a	n/a	VF820

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61905-1, F61905-2

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

Method Blank Summary

Job Number: F61905
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF820-MB	F032606.D	1	12/11/08	SH	n/a	n/a	VF820

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61905-1, F61905-2

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	ND	2.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	107%	87-116%
17060-07-0	1,2-Dichloroethane-D4	106%	76-127%
2037-26-5	Toluene-D8	101%	86-112%
460-00-4	4-Bromofluorobenzene	100%	84-120%

Blank Spike Summary

Job Number: F61905
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF820-BS	F032605.D	1	12/11/08	SH	n/a	n/a	VF820

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61905-1, F61905-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	175	140*	59-134
75-05-8	Acetonitrile	250	257	103	57-123
107-02-8	Acrolein	125	30.4	24*	33-157
107-13-1	Acrylonitrile	125	120	96	62-124
107-05-1	Allyl chloride	25	28.0	112	48-136
71-43-2	Benzene	25	26.1	104	83-124
100-44-7	Benzyl Chloride	25	24.2	97	61-118
108-86-1	Bromobenzene	25	24.9	100	83-115
74-97-5	Bromochloromethane	25	21.7	87	78-112
75-27-4	Bromodichloromethane	25	25.0	100	76-116
75-25-2	Bromoform	25	24.7	99	68-128
104-51-8	n-Butylbenzene	25	26.8	107	84-124
135-98-8	sec-Butylbenzene	25	26.3	105	86-127
98-06-6	tert-Butylbenzene	25	26.9	108	83-126
108-90-7	Chlorobenzene	25	24.7	99	87-115
75-00-3	Chloroethane	25	24.0	96	54-166
67-66-3	Chloroform	25	27.4	110	85-123
544-10-5	1-Chlorohexane	25	24.9	100	87-128
95-49-8	o-Chlorotoluene	25	27.0	108	84-121
106-43-4	p-Chlorotoluene	25	26.7	107	84-120
110-75-8	2-Chloroethyl vinyl ether	125	181	145*	63-125
75-15-0	Carbon disulfide	25	24.1	96	67-147
56-23-5	Carbon tetrachloride	25	28.5	114	74-139
75-34-3	1,1-Dichloroethane	25	26.5	106	82-127
75-35-4	1,1-Dichloroethylene	25	27.2	109	75-133
563-58-6	1,1-Dichloropropene	25	27.3	109	87-127
96-12-8	1,2-Dibromo-3-chloropropane	25	28.8	115	61-118
106-93-4	1,2-Dibromoethane	25	24.1	96	80-115
107-06-2	1,2-Dichloroethane	25	25.3	101	76-122
78-87-5	1,2-Dichloropropane	25	25.0	100	81-120
142-28-9	1,3-Dichloropropane	25	24.4	98	81-113
594-20-7	2,2-Dichloropropane	25	29.4	118	77-138
124-48-1	Dibromochloromethane	25	25.2	101	74-116
75-71-8	Dichlorodifluoromethane	25	20.6	82	34-158
156-59-2	cis-1,2-Dichloroethylene	25	25.0	100	81-114
10061-01-5	cis-1,3-Dichloropropene	25	26.6	106	83-119

Blank Spike Summary

Job Number: F61905
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF820-BS	F032605.D	1	12/11/08	SH	n/a	n/a	VF820

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61905-1, F61905-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	25	24.9	100	41-130
541-73-1	m-Dichlorobenzene	25	25.7	103	86-115
95-50-1	o-Dichlorobenzene	25	26.4	106	85-115
106-46-7	p-Dichlorobenzene	25	25.2	101	87-113
156-60-5	trans-1,2-Dichloroethylene	25	26.0	104	82-126
10061-02-6	trans-1,3-Dichloropropene	25	26.6	106	87-123
100-41-4	Ethylbenzene	25	26.3	105	87-118
97-63-2	Ethyl methacrylate	25	22.4	90	68-110
76-13-1	Freon 113	25	25.5	102	74-139
591-78-6	2-Hexanone	125	135	108	58-125
87-68-3	Hexachlorobutadiene	25	32.3	129	71-133
110-54-3	Hexane	25	26.4	106	71-134
98-82-8	Isopropylbenzene	25	26.0	104	87-131
99-87-6	p-Isopropyltoluene	25	26.1	104	83-125
108-10-1	4-Methyl-2-pentanone	125	124	99	62-125
126-98-7	Methacrylonitrile	250	253	101	62-133
74-83-9	Methyl bromide	25	25.1	100	55-151
74-87-3	Methyl chloride	25	26.8	107	55-173
74-88-4	Methyl iodide	25	21.9	88	72-125
80-62-6	Methyl methacrylate	25	26.6	106	63-115
74-95-3	Methylene bromide	25	25.5	102	81-116
75-09-2	Methylene chloride	25	27.2	109	69-125
78-93-3	Methyl ethyl ketone	125	169	135*	61-127
1634-04-4	Methyl Tert Butyl Ether	25	24.4	98	75-116
91-20-3	Naphthalene	25	27.9	112	59-125
76-01-7	Pentachloroethane	25	27.3	109	82-111
107-12-0	Propionitrile	250	241	96	69-119
103-65-1	n-Propylbenzene	25	27.1	108	86-125
100-42-5	Styrene	25	23.6	94	78-118
630-20-6	1,1,1,2-Tetrachloroethane	25	25.5	102	81-119
71-55-6	1,1,1-Trichloroethane	25	28.6	114	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	24.3	97	71-120
79-00-5	1,1,2-Trichloroethane	25	23.4	94	80-114
87-61-6	1,2,3-Trichlorobenzene	25	27.7	111	64-126
96-18-4	1,2,3-Trichloropropane	25	22.1	88	77-115
120-82-1	1,2,4-Trichlorobenzene	25	28.4	114	68-123

Blank Spike Summary

Job Number: F61905
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF820-BS	F032605.D	1	12/11/08	SH	n/a	n/a	VF820

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61905-1, F61905-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	25	25.9	104	82-120
108-67-8	1,3,5-Trimethylbenzene	25	25.7	103	83-123
127-18-4	Tetrachloroethylene	25	25.4	102	80-131
108-88-3	Toluene	25	25.5	102	86-116
79-01-6	Trichloroethylene	25	26.4	106	85-124
75-69-4	Trichlorofluoromethane	25	26.5	106	66-156
110-57-6	Trans-1,4-Dichloro-2-Butene	25	26.5	106	51-137
75-01-4	Vinyl chloride	25	26.0	104	57-153
108-05-4	Vinyl Acetate	125	161	129	38-159
	m,p-Xylene	50	54.5	109	86-121
95-47-6	o-Xylene	25	24.7	99	83-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	107%	76-127%
2037-26-5	Toluene-D8	97%	86-112%
460-00-4	4-Bromofluorobenzene	102%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61905
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61947-20MS	F032622.D	1	12/11/08	SH	n/a	n/a	VF820
F61947-20MSD	F032623.D	1	12/11/08	SH	n/a	n/a	VF820
F61947-20	F032621.D	1	12/11/08	SH	n/a	n/a	VF820

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61905-1, F61905-2

CAS No.	Compound	F61947-20 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	147	118	148	118	1	59-134/14
75-05-8	Acetonitrile	ND		250	230	92	218	87	5	57-123/15
107-02-8	Acrolein	ND		125	26.9	22*	11.6	9*	79*	33-157/21
107-13-1	Acrylonitrile	ND		125	117	94	113	90	3	62-124/13
107-05-1	Allyl chloride	ND		25	26.2	105	25.7	103	2	48-136/13
71-43-2	Benzene	11.6		25	39.3	111	38.0	106	3	83-124/11
100-44-7	Benzyl Chloride	ND		25	21.7	87	21.8	87	0	61-118/12
108-86-1	Bromobenzene	ND		25	23.8	95	24.0	96	1	83-115/10
74-97-5	Bromochloromethane	ND		25	21.7	87	21.6	86	0	78-112/10
75-27-4	Bromodichloromethane	ND		25	26.5	106	26.1	104	2	76-116/10
75-25-2	Bromoform	ND		25	24.8	99	23.9	96	4	68-128/11
104-51-8	n-Butylbenzene	ND		25	25.5	102	25.2	101	1	84-124/10
135-98-8	sec-Butylbenzene	ND		25	25.2	101	25.0	100	1	86-127/10
98-06-6	tert-Butylbenzene	ND		25	25.8	103	25.7	103	0	83-126/10
108-90-7	Chlorobenzene	ND		25	24.5	98	24.0	96	2	87-115/9
75-00-3	Chloroethane	ND		25	28.4	114	26.5	106	7	54-166/20
67-66-3	Chloroform	ND		25	28.9	116	28.1	112	3	85-123/10
544-10-5	1-Chlorohexane	ND		25	23.0	92	22.9	92	0	87-128/10
95-49-8	o-Chlorotoluene	ND		25	26.3	105	26.1	104	1	84-121/10
106-43-4	p-Chlorotoluene	ND		25	26.3	105	26.0	104	1	84-120/10
110-75-8	2-Chloroethyl vinyl ether	ND		125	ND	0*	ND	0*	nc	63-125/24
75-15-0	Carbon disulfide	ND		25	24.8	99	23.8	95	4	67-147/12
56-23-5	Carbon tetrachloride	ND		25	30.4	122	28.8	115	5	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	28.0	112	27.0	108	4	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	30.9	124	29.1	116	6	75-133/13
563-58-6	1,1-Dichloropropene	ND		25	26.7	107	26.4	106	1	87-127/10
96-12-8	1,2-Dibromo-3-chloropropane	ND		25	26.5	106	26.5	106	0	61-118/15
106-93-4	1,2-Dibromoethane	ND		25	22.7	91	22.8	91	0	80-115/10
107-06-2	1,2-Dichloroethane	ND		25	27.5	110	26.7	107	3	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	24.2	97	23.9	96	1	81-120/11
142-28-9	1,3-Dichloropropane	ND		25	23.0	92	22.7	91	1	81-113/11
594-20-7	2,2-Dichloropropane	ND		25	30.2	121	29.1	116	4	77-138/12
124-48-1	Dibromochloromethane	ND		25	25.0	100	24.9	100	0	74-116/11
75-71-8	Dichlorodifluoromethane	ND		25	20.6	82	21.0	84	2	34-158/22
156-59-2	cis-1,2-Dichloroethylene	ND		25	24.6	98	24.1	96	2	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	25.2	101	24.9	100	1	83-119/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61905
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61947-20MS	F032622.D	1	12/11/08	SH	n/a	n/a	VF820
F61947-20MSD	F032623.D	1	12/11/08	SH	n/a	n/a	VF820
F61947-20	F032621.D	1	12/11/08	SH	n/a	n/a	VF820

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61905-1, F61905-2

CAS No.	Compound	F61947-20 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		25	22.6	90	22.3	89	1	41-130/33
541-73-1	m-Dichlorobenzene	ND		25	24.5	98	24.4	98	0	86-115/9
95-50-1	o-Dichlorobenzene	ND		25	25.0	100	25.2	101	1	85-115/9
106-46-7	p-Dichlorobenzene	ND		25	24.3	97	24.2	97	0	87-113/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	26.7	107	26.0	104	3	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	25.9	104	25.8	103	0	87-123/10
100-41-4	Ethylbenzene	0.45	J	25	26.7	105	26.1	103	2	87-118/10
97-63-2	Ethyl methacrylate	ND		25	20.7	83	20.8	83	0	68-110/11
76-13-1	Freon 113	ND		25	29.5	118	26.2	105	12	74-139/13
591-78-6	2-Hexanone	ND		125	121	97	120	96	1	58-125/14
87-68-3	Hexachlorobutadiene	ND		25	28.5	114	28.2	113	1	71-133/12
110-54-3	Hexane	ND		25	26.9	108	25.4	102	6	71-134/11
98-82-8	Isopropylbenzene	ND		25	24.7	99	24.1	96	2	87-131/10
99-87-6	p-Isopropyltoluene	ND		25	25.3	101	25.3	101	0	83-125/9
108-10-1	4-Methyl-2-pentanone	ND		125	116	93	114	91	2	62-125/13
126-98-7	Methacrylonitrile	ND		250	251	100	244	98	3	62-133/17
74-83-9	Methyl bromide	ND		25	31.5	126	28.9	116	9	55-151/21
74-87-3	Methyl chloride	ND		25	25.3	101	25.8	103	2	55-173/22
74-88-4	Methyl iodide	ND		25	22.4	90	21.7	87	3	72-125/11
80-62-6	Methyl methacrylate	ND		25	23.7	95	24.3	97	3	63-115/10
74-95-3	Methylene bromide	ND		25	25.9	104	25.3	101	2	81-116/10
75-09-2	Methylene chloride	ND		25	27.0	108	26.1	104	3	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	129	103	124	99	4	61-127/13
1634-04-4	Methyl Tert Butyl Ether	ND		25	23.9	96	23.9	96	0	75-116/10
91-20-3	Naphthalene	ND		25	24.7	99	24.8	99	0	59-125/15
76-01-7	Pentachloroethane	ND		25	26.2	105	26.2	105	0	82-111/8
107-12-0	Propionitrile	ND		250	232	93	225	90	3	69-119/12
103-65-1	n-Propylbenzene	ND		25	26.4	106	25.6	102	3	86-125/10
100-42-5	Styrene	ND		25	23.3	93	22.9	92	2	78-118/11
630-20-6	1,1,1,2-Tetrachloroethane	ND		25	25.3	101	25.0	100	1	81-119/10
71-55-6	1,1,1-Trichloroethane	ND		25	30.1	120	28.7	115	5	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	23.3	93	22.7	91	3	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	22.9	92	22.5	90	2	80-114/11
87-61-6	1,2,3-Trichlorobenzene	ND		25	24.5	98	24.6	98	0	64-126/16
96-18-4	1,2,3-Trichloropropane	ND		25	21.5	86	21.5	86	0	77-115/12
120-82-1	1,2,4-Trichlorobenzene	ND		25	25.4	102	25.7	103	1	68-123/11

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61905
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61947-20MS	F032622.D	1	12/11/08	SH	n/a	n/a	VF820
F61947-20MSD	F032623.D	1	12/11/08	SH	n/a	n/a	VF820
F61947-20	F032621.D	1	12/11/08	SH	n/a	n/a	VF820

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61905-1, F61905-2

CAS No.	Compound	F61947-20 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		25	25.6	102	25.5	102	0	82-120/10
108-67-8	1,3,5-Trimethylbenzene	ND		25	24.7	99	24.3	97	2	83-123/10
127-18-4	Tetrachloroethylene	ND		25	23.8	95	23.2	93	3	80-131/12
108-88-3	Toluene	ND		25	24.7	99	24.1	96	2	86-116/10
79-01-6	Trichloroethylene	ND		25	26.6	106	26.3	105	1	85-124/10
75-69-4	Trichlorofluoromethane	ND		25	31.9	128	29.2	117	9	66-156/15
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		25	24.3	97	24.2	97	0	51-137/24
75-01-4	Vinyl chloride	ND		25	26.6	106	27.3	109	3	57-153/22
108-05-4	Vinyl Acetate	ND		125	161	129	156	125	3	38-159/11
	m,p-Xylene	ND		50	54.7	109	53.5	107	2	86-121/10
95-47-6	o-Xylene	ND		25	24.0	96	23.8	95	1	83-121/10

CAS No.	Surrogate Recoveries	MS	MSD	F61947-20	Limits
1868-53-7	Dibromofluoromethane	111%	109%	110%	87-116%
17060-07-0	1,2-Dichloroethane-D4	116%	115%	115%	76-127%
2037-26-5	Toluene-D8	96%	95%	101%	86-112%
460-00-4	4-Bromofluorobenzene	100%	101%	105%	84-120%

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61905
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV1903-MB	UV033129.D	1	12/12/08	AH	n/a	n/a	GUV1903

The QC reported here applies to the following samples: **Method:** SW846 8015

F61905-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	103%	57-129%
98-08-8	aaa-Trifluorotoluene	91%	58-120%

Blank Spike Summary

Job Number: F61905
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV1903-BS	UV033128.D	1	12/12/08	AH	n/a	n/a	GUV1903

The QC reported here applies to the following samples: **Method:** SW846 8015

F61905-1

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	0.4	0.411	103	75-129

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	104%	57-129%
98-08-8	aaa-Trifluorotoluene	89%	58-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61905
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61912-1MS	UV033141.D	1	12/12/08	AH	n/a	n/a	GUV1903
F61912-1MSD	UV033142.D	1	12/12/08	AH	n/a	n/a	GUV1903
F61912-1	UV033136.D	1	12/12/08	AH	n/a	n/a	GUV1903

The QC reported here applies to the following samples: **Method:** SW846 8015

F61905-1

CAS No.	Compound	F61912-1 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		0.4	0.391	98	0.420	105	7	75-129/13

CAS No.	Surrogate Recoveries	MS	MSD	F61912-1	Limits
460-00-4	4-Bromofluorobenzene	105%	96%	92%	57-129%
98-08-8	aaa-Trifluorotoluene	100%	97%	99%	58-120%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61905
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27370-MB	LL24472.D	1	12/11/08	NY	12/08/08	OP27370	GLL912

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61905-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.25	0.10	mg/l	
	TPH (> C22-C36)	ND	0.25	0.10	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	88%	42-114%

Method Blank Summary

Job Number: F61905
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27370-MB	LL24497.D	1	12/12/08	NY	12/08/08	OP27370	GLL913

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61905-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.25	0.10	mg/l	
	TPH (> C22-C36)	ND	0.25	0.10	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	85%	42-114%

Blank Spike Summary

Job Number: F61905
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27370-BS	LL24471.D	1	12/11/08	NY	12/08/08	OP27370	GLL912

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61905-1

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH (C10-C22)	1	0.992	99	60-140
	TPH (> C22-C36)	1	1.10	110	60-140

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	103%	42-114%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61905
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27370-MS	LL24488.D	1	12/12/08	NY	12/08/08	OP27370	GLL912
OP27370-MSD	LL24489.D	1	12/12/08	NY	12/08/08	OP27370	GLL912
F61996-3	LL24487.D	1	12/12/08	NY	12/08/08	OP27370	GLL912

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61905-1

CAS No.	Compound	F61996-3 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		1.92	1.94	101	1.74	90	11	60-140/30
	TPH (> C22-C36)	ND		1.92	2.17	113	2.04	106	6	60-140/30

CAS No.	Surrogate Recoveries	MS	MSD	F61996-3	Limits
84-15-1	o-Terphenyl	104%	95%	83%	42-114%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/22/08

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F61942

Sampling Date: 12/03/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **36**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Note: This report is password protected to disallow document modification or assembly.
A password to unlock this report is available from your client service representative.

Sections: 1 2 3 4 5 6 7

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **5**
3.1: F61942-1: SS61-TMW80 6
3.2: F61942-2: TRIP BLANK 11
Section 4: Misc. Forms **14**
4.1: Certification Exceptions 15
4.2: Chain of Custody 16
Section 5: GC/MS Volatiles - QC Data Summaries **18**
5.1: Method Blank Summary 19
5.2: Blank Spike Summary 22
5.3: Matrix Spike/Matrix Spike Duplicate Summary 25
Section 6: GC Volatiles - QC Data Summaries **28**
6.1: Method Blank Summary 29
6.2: Blank Spike Summary 30
6.3: Matrix Spike/Matrix Spike Duplicate Summary 31
Section 7: GC Semi-volatiles - QC Data Summaries **32**
7.1: Method Blank Summary 33
7.2: Blank Spike Summary 35
7.3: Matrix Spike/Matrix Spike Duplicate Summary 36

Sample Summary

North Wind, Inc

Job No: F61942

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F61942-1	12/03/08	09:20	ZB	12/04/08	AQ	Ground Water	SS61-TMW80
F61942-2	12/03/08	00:00	ZB	12/04/08	AQ	Trip Blank Water	TRIP BLANK

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F61942

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/19/2008 3:04:01

1 Sample, 1 Trip Blank were collected on 12/03/2008 and received at Accutest on 12/04/2008 properly preserved, at 2.6 Deg. C and intact. These Samples received an Accutest job number of F61942. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VF820

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61947-20MS, F61947-20MSD were used as the QC samples indicated.

Blank Spike Recovery(s) for 2-Chloroethyl vinyl ether, Acetone, Acrolein, Methyl ethyl ketone are outside control limits.

Matrix Spike Recovery(s) for 2-Chloroethyl vinyl ether, Acrolein are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 2-Chloroethyl vinyl ether, Acrolein are outside control limits. Probable cause due to matrix interference.

RPD(s) for MSD for Acrolein are outside control limits for sample F61947-20MSD. Probable cause due to sample homogeneity.

F61942-2 for Methylene chloride: Suspected laboratory contaminant.

F61942-1 for Acetone: CCV outside of control limits; results may be biased high.

Volatiles by GC By Method SW846 8015

Matrix: AQ **Batch ID:** GUV1903

All samples were analyzed within the recommended method holding time.

Sample(s) F61912-1MS, F61912-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Extractables by GC By Method SW846 8015 M

Matrix: AQ **Batch ID:** OP27397

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F62086-1MS, F62086-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

F61942-1 for TPH (C10-C22): Petroleum hydrocarbon pattern begins before C10.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: December 19, 2008

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-TMW80		
Lab Sample ID:	F61942-1	**Date Sampled:**	12/03/08
Matrix:	AQ - Ground Water	**Date Received:**	12/04/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F032616.D	20	12/11/08	SH	n/a	n/a	VF820
Run #2	F032620.D	250	12/11/08	SH	n/a	n/a	VF820

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	316	500	200	ug/l	J
75-05-8	Acetonitrile	ND	400	100	ug/l	
107-02-8	Acrolein	ND	400	100	ug/l	
107-13-1	Acrylonitrile	ND	200	40	ug/l	
107-05-1	Allyl chloride	ND	200	40	ug/l	
71-43-2	Benzene	10900 [b]	250	100	ug/l	
100-44-7	Benzyl Chloride	ND	40	7.2	ug/l	
108-86-1	Bromobenzene	ND	20	5.2	ug/l	
74-97-5	Bromochloromethane	ND	20	4.6	ug/l	
75-27-4	Bromodichloromethane	ND	20	4.0	ug/l	
75-25-2	Bromoform	ND	20	6.6	ug/l	
104-51-8	n-Butylbenzene	ND	20	5.6	ug/l	
135-98-8	sec-Butylbenzene	ND	20	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	20	6.4	ug/l	
108-90-7	Chlorobenzene	ND	20	4.4	ug/l	
75-00-3	Chloroethane	ND	40	9.6	ug/l	
67-66-3	Chloroform	ND	20	5.6	ug/l	
544-10-5	1-Chlorohexane	ND	40	5.4	ug/l	
95-49-8	o-Chlorotoluene	ND	20	5.0	ug/l	
106-43-4	p-Chlorotoluene	ND	20	4.2	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	100	20	ug/l	
75-15-0	Carbon disulfide	ND	40	8.0	ug/l	
56-23-5	Carbon tetrachloride	ND	20	4.4	ug/l	
75-34-3	1,1-Dichloroethane	ND	20	4.8	ug/l	
75-35-4	1,1-Dichloroethylene	ND	20	11	ug/l	
563-58-6	1,1-Dichloropropene	ND	20	4.6	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	40	6.4	ug/l	
106-93-4	1,2-Dibromoethane	ND	20	5.6	ug/l	
107-06-2	1,2-Dichloroethane	9.6	20	6.8	ug/l	J
78-87-5	1,2-Dichloropropane	ND	20	4.2	ug/l	
142-28-9	1,3-Dichloropropane	ND	20	5.2	ug/l	
594-20-7	2,2-Dichloropropane	ND	20	5.6	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW80		
Lab Sample ID:	F61942-1	**Date Sampled:**	12/03/08
Matrix:	AQ - Ground Water	**Date Received:**	12/04/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	20	4.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	40	20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	20	4.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	4.2	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	200	20	ug/l	
541-73-1	m-Dichlorobenzene	ND	20	4.6	ug/l	
95-50-1	o-Dichlorobenzene	ND	20	4.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	20	4.4	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	20	9.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	4.2	ug/l	
100-41-4	Ethylbenzene	1060	20	8.6	ug/l	
97-63-2	Ethyl methacrylate	ND	100	20	ug/l	
76-13-1	Freon 113	ND	20	6.8	ug/l	
591-78-6	2-Hexanone	ND	200	100	ug/l	
87-68-3	Hexachlorobutadiene	ND	40	14	ug/l	
110-54-3	Hexane	27.0	40	10	ug/l	J
98-82-8	Isopropylbenzene	1160	20	4.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	20	6.4	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	100	40	ug/l	
126-98-7	Methacrylonitrile	ND	400	100	ug/l	
74-83-9	Methyl bromide	ND	40	16	ug/l	
74-87-3	Methyl chloride	ND	40	12	ug/l	
74-88-4	Methyl iodide	ND	100	20	ug/l	
80-62-6	Methyl methacrylate	ND	100	20	ug/l	
74-95-3	Methylene bromide	ND	40	6.0	ug/l	
75-09-2	Methylene chloride	ND	100	20	ug/l	
78-93-3	Methyl ethyl ketone	ND	100	40	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	20	5.2	ug/l	
91-20-3	Naphthalene	ND	100	20	ug/l	
76-01-7	Pentachloroethane	ND	200	40	ug/l	
107-12-0	Propionitrile	ND	400	200	ug/l	
103-65-1	n-Propylbenzene	24.5	20	5.0	ug/l	
100-42-5	Styrene	ND	20	7.2	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	20	4.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	20	6.6	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	4.2	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	20	5.2	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	20	10	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	40	6.8	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	20	10	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW80		
Lab Sample ID:	F61942-1	**Date Sampled:**	12/03/08
Matrix:	AQ - Ground Water	**Date Received:**	12/04/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	254	40	4.4	ug/l	
108-67-8	1,3,5-Trimethylbenzene	9.9	40	4.0	ug/l	J
127-18-4	Tetrachloroethylene	ND	20	4.4	ug/l	
108-88-3	Toluene	940	20	7.0	ug/l	
79-01-6	Trichloroethylene	ND	20	6.4	ug/l	
75-69-4	Trichlorofluoromethane	ND	40	10	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	200	40	ug/l	
75-01-4	Vinyl chloride	ND	20	6.0	ug/l	
108-05-4	Vinyl Acetate	ND	200	72	ug/l	
	m,p-Xylene	1650	40	16	ug/l	
95-47-6	o-Xylene	1440	20	7.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%	109%	87-116%
17060-07-0	1,2-Dichloroethane-D4	111%	115%	76-127%
2037-26-5	Toluene-D8	97%	100%	86-112%
460-00-4	4-Bromofluorobenzene	105%	104%	84-120%

(a) CCV outside of control limits; results may be biased high.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW80		
Lab Sample ID:	F61942-1	**Date Sampled:**	12/03/08
Matrix:	AQ - Ground Water	**Date Received:**	12/04/08
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV033135.D	100	12/12/08	AH	n/a	n/a	GUV1903
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	44.8	10	5.0	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		57-129%
98-08-8	aaa-Trifluorotoluene	88%		58-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW80		
Lab Sample ID:	F61942-1	**Date Sampled:**	12/03/08
Matrix:	AQ - Ground Water	**Date Received:**	12/04/08
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10583.D	1	12/17/08	NY	12/10/08	OP27397	GYY379
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22) [a]	1.41	0.24	0.095	mg/l	
	TPH (> C22-C36)	0.155	0.24	0.095	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	76%		42-114%

(a) Petroleum hydrocarbon pattern begins before C10.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61942-2	**Date Sampled:**	12/03/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/04/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F032609.D	1	12/11/08	SH	n/a	n/a	VF820
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61942-2	**Date Sampled:**	12/03/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/04/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride [a]	2.7	5.0	1.0	ug/l	J
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61942-2	**Date Sampled:**	12/03/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/04/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	ND	2.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		87-116%
17060-07-0	1,2-Dichloroethane-D4	111%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	104%		84-120%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

Parameter Certification Exceptions

Job Number: F61942
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

The following parameters included in this report are exceptions to NELAC certification.
The certification status of each is indicated below.

Parameter	CAS#	Method	Mat	Certification Status
Freon 113	76-13-1	**SW846 8260B**	AQ	Certified by SOP MS005

F61942

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

Page 1 of 1

NorthWind Project Number: NWI-50298.01

PO#:

Chain of Custody Number [1]: 12-03-2008-1

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Zachary Beck / Dustin McNeil

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)						Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
									Sample Analysis Requested [5]										Quality Assurance Samples [6]			
1	SS61-TMW80	SS61-TMW80	03-Dec-2008	0920	-	N	01	WG	6	X	X	X										1
2	Trip Blank				-	TB		WQ	2	X												1
					-																	
					-																	
					-																	
					-																	
					-																	
					-																	
					-																	
					-																	
					-																	

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time	Received By (signed)	Date	Time
1.		12/3/08	1400			
2.						
3.						

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: Shipped No.:

Method of Shipment: Airbill Number:

Analytical Lab: Accutest Laboratories Delivery Location:

Lab Recipient: Delivery Date/Time:

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

2-6

4.2 4

F61942: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61942 CLIENT: Blake PROJECT: SS-61

DATE/TIME RECEIVED: 12-4-08 10:30 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.6

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8606 8474 8672

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [ ] TRIP BLANK PROVIDED
- [X] TRIP BLANK NOT PROVIDED
- [X] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [X] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 0

NUMBER OF 5035 FIELD KITS ? 0

NUMBER OF LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS: only received 2 vials (RED) & (GRN) sample #1

TECHNICIAN SIGNATURE/DATE: E.T. 12-4-08 TECHNICIAN SIGNATURE/DATE: 12/4/08 ASBD 12/17/07

4.2 4

F61942: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61942
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF820-MB	F032606.D	1	12/11/08	SH	n/a	n/a	VF820

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61942-1, F61942-2

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

Method Blank Summary

Job Number: F61942
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF820-MB	F032606.D	1	12/11/08	SH	n/a	n/a	VF820

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61942-1, F61942-2

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

Method Blank Summary

Job Number: F61942
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF820-MB	F032606.D	1	12/11/08	SH	n/a	n/a	VF820

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61942-1, F61942-2

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	ND	2.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	107%	87-116%
17060-07-0	1,2-Dichloroethane-D4	106%	76-127%
2037-26-5	Toluene-D8	101%	86-112%
460-00-4	4-Bromofluorobenzene	100%	84-120%

Blank Spike Summary

Job Number: F61942
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF820-BS	F032605.D	1	12/11/08	SH	n/a	n/a	VF820

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61942-1, F61942-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	175	140*	59-134
75-05-8	Acetonitrile	250	257	103	57-123
107-02-8	Acrolein	125	30.4	24*	33-157
107-13-1	Acrylonitrile	125	120	96	62-124
107-05-1	Allyl chloride	25	28.0	112	48-136
71-43-2	Benzene	25	26.1	104	83-124
100-44-7	Benzyl Chloride	25	24.2	97	61-118
108-86-1	Bromobenzene	25	24.9	100	83-115
74-97-5	Bromochloromethane	25	21.7	87	78-112
75-27-4	Bromodichloromethane	25	25.0	100	76-116
75-25-2	Bromoform	25	24.7	99	68-128
104-51-8	n-Butylbenzene	25	26.8	107	84-124
135-98-8	sec-Butylbenzene	25	26.3	105	86-127
98-06-6	tert-Butylbenzene	25	26.9	108	83-126
108-90-7	Chlorobenzene	25	24.7	99	87-115
75-00-3	Chloroethane	25	24.0	96	54-166
67-66-3	Chloroform	25	27.4	110	85-123
544-10-5	1-Chlorohexane	25	24.9	100	87-128
95-49-8	o-Chlorotoluene	25	27.0	108	84-121
106-43-4	p-Chlorotoluene	25	26.7	107	84-120
110-75-8	2-Chloroethyl vinyl ether	125	181	145*	63-125
75-15-0	Carbon disulfide	25	24.1	96	67-147
56-23-5	Carbon tetrachloride	25	28.5	114	74-139
75-34-3	1,1-Dichloroethane	25	26.5	106	82-127
75-35-4	1,1-Dichloroethylene	25	27.2	109	75-133
563-58-6	1,1-Dichloropropene	25	27.3	109	87-127
96-12-8	1,2-Dibromo-3-chloropropane	25	28.8	115	61-118
106-93-4	1,2-Dibromoethane	25	24.1	96	80-115
107-06-2	1,2-Dichloroethane	25	25.3	101	76-122
78-87-5	1,2-Dichloropropane	25	25.0	100	81-120
142-28-9	1,3-Dichloropropane	25	24.4	98	81-113
594-20-7	2,2-Dichloropropane	25	29.4	118	77-138
124-48-1	Dibromochloromethane	25	25.2	101	74-116
75-71-8	Dichlorodifluoromethane	25	20.6	82	34-158
156-59-2	cis-1,2-Dichloroethylene	25	25.0	100	81-114
10061-01-5	cis-1,3-Dichloropropene	25	26.6	106	83-119

Blank Spike Summary

Job Number: F61942
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF820-BS	F032605.D	1	12/11/08	SH	n/a	n/a	VF820

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61942-1, F61942-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	25	24.9	100	41-130
541-73-1	m-Dichlorobenzene	25	25.7	103	86-115
95-50-1	o-Dichlorobenzene	25	26.4	106	85-115
106-46-7	p-Dichlorobenzene	25	25.2	101	87-113
156-60-5	trans-1,2-Dichloroethylene	25	26.0	104	82-126
10061-02-6	trans-1,3-Dichloropropene	25	26.6	106	87-123
100-41-4	Ethylbenzene	25	26.3	105	87-118
97-63-2	Ethyl methacrylate	25	22.4	90	68-110
76-13-1	Freon 113	25	25.5	102	74-139
591-78-6	2-Hexanone	125	135	108	58-125
87-68-3	Hexachlorobutadiene	25	32.3	129	71-133
110-54-3	Hexane	25	26.4	106	71-134
98-82-8	Isopropylbenzene	25	26.0	104	87-131
99-87-6	p-Isopropyltoluene	25	26.1	104	83-125
108-10-1	4-Methyl-2-pentanone	125	124	99	62-125
126-98-7	Methacrylonitrile	250	253	101	62-133
74-83-9	Methyl bromide	25	25.1	100	55-151
74-87-3	Methyl chloride	25	26.8	107	55-173
74-88-4	Methyl iodide	25	21.9	88	72-125
80-62-6	Methyl methacrylate	25	26.6	106	63-115
74-95-3	Methylene bromide	25	25.5	102	81-116
75-09-2	Methylene chloride	25	27.2	109	69-125
78-93-3	Methyl ethyl ketone	125	169	135*	61-127
1634-04-4	Methyl Tert Butyl Ether	25	24.4	98	75-116
91-20-3	Naphthalene	25	27.9	112	59-125
76-01-7	Pentachloroethane	25	27.3	109	82-111
107-12-0	Propionitrile	250	241	96	69-119
103-65-1	n-Propylbenzene	25	27.1	108	86-125
100-42-5	Styrene	25	23.6	94	78-118
630-20-6	1,1,1,2-Tetrachloroethane	25	25.5	102	81-119
71-55-6	1,1,1-Trichloroethane	25	28.6	114	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	24.3	97	71-120
79-00-5	1,1,2-Trichloroethane	25	23.4	94	80-114
87-61-6	1,2,3-Trichlorobenzene	25	27.7	111	64-126
96-18-4	1,2,3-Trichloropropane	25	22.1	88	77-115
120-82-1	1,2,4-Trichlorobenzene	25	28.4	114	68-123

Blank Spike Summary

Job Number: F61942
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF820-BS	F032605.D	1	12/11/08	SH	n/a	n/a	VF820

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61942-1, F61942-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	25	25.9	104	82-120
108-67-8	1,3,5-Trimethylbenzene	25	25.7	103	83-123
127-18-4	Tetrachloroethylene	25	25.4	102	80-131
108-88-3	Toluene	25	25.5	102	86-116
79-01-6	Trichloroethylene	25	26.4	106	85-124
75-69-4	Trichlorofluoromethane	25	26.5	106	66-156
110-57-6	Trans-1,4-Dichloro-2-Butene	25	26.5	106	51-137
75-01-4	Vinyl chloride	25	26.0	104	57-153
108-05-4	Vinyl Acetate	125	161	129	38-159
	m,p-Xylene	50	54.5	109	86-121
95-47-6	o-Xylene	25	24.7	99	83-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	107%	76-127%
2037-26-5	Toluene-D8	97%	86-112%
460-00-4	4-Bromofluorobenzene	102%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61942
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61947-20MS	F032622.D	1	12/11/08	SH	n/a	n/a	VF820
F61947-20MSD	F032623.D	1	12/11/08	SH	n/a	n/a	VF820
F61947-20	F032621.D	1	12/11/08	SH	n/a	n/a	VF820

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61942-1, F61942-2

CAS No.	Compound	F61947-20 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	147	118	148	118	1	59-134/14
75-05-8	Acetonitrile	ND		250	230	92	218	87	5	57-123/15
107-02-8	Acrolein	ND		125	26.9	22*	11.6	9*	79*	33-157/21
107-13-1	Acrylonitrile	ND		125	117	94	113	90	3	62-124/13
107-05-1	Allyl chloride	ND		25	26.2	105	25.7	103	2	48-136/13
71-43-2	Benzene	11.6		25	39.3	111	38.0	106	3	83-124/11
100-44-7	Benzyl Chloride	ND		25	21.7	87	21.8	87	0	61-118/12
108-86-1	Bromobenzene	ND		25	23.8	95	24.0	96	1	83-115/10
74-97-5	Bromochloromethane	ND		25	21.7	87	21.6	86	0	78-112/10
75-27-4	Bromodichloromethane	ND		25	26.5	106	26.1	104	2	76-116/10
75-25-2	Bromoform	ND		25	24.8	99	23.9	96	4	68-128/11
104-51-8	n-Butylbenzene	ND		25	25.5	102	25.2	101	1	84-124/10
135-98-8	sec-Butylbenzene	ND		25	25.2	101	25.0	100	1	86-127/10
98-06-6	tert-Butylbenzene	ND		25	25.8	103	25.7	103	0	83-126/10
108-90-7	Chlorobenzene	ND		25	24.5	98	24.0	96	2	87-115/9
75-00-3	Chloroethane	ND		25	28.4	114	26.5	106	7	54-166/20
67-66-3	Chloroform	ND		25	28.9	116	28.1	112	3	85-123/10
544-10-5	1-Chlorohexane	ND		25	23.0	92	22.9	92	0	87-128/10
95-49-8	o-Chlorotoluene	ND		25	26.3	105	26.1	104	1	84-121/10
106-43-4	p-Chlorotoluene	ND		25	26.3	105	26.0	104	1	84-120/10
110-75-8	2-Chloroethyl vinyl ether	ND		125	ND	0*	ND	0*	nc	63-125/24
75-15-0	Carbon disulfide	ND		25	24.8	99	23.8	95	4	67-147/12
56-23-5	Carbon tetrachloride	ND		25	30.4	122	28.8	115	5	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	28.0	112	27.0	108	4	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	30.9	124	29.1	116	6	75-133/13
563-58-6	1,1-Dichloropropene	ND		25	26.7	107	26.4	106	1	87-127/10
96-12-8	1,2-Dibromo-3-chloropropane	ND		25	26.5	106	26.5	106	0	61-118/15
106-93-4	1,2-Dibromoethane	ND		25	22.7	91	22.8	91	0	80-115/10
107-06-2	1,2-Dichloroethane	ND		25	27.5	110	26.7	107	3	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	24.2	97	23.9	96	1	81-120/11
142-28-9	1,3-Dichloropropane	ND		25	23.0	92	22.7	91	1	81-113/11
594-20-7	2,2-Dichloropropane	ND		25	30.2	121	29.1	116	4	77-138/12
124-48-1	Dibromochloromethane	ND		25	25.0	100	24.9	100	0	74-116/11
75-71-8	Dichlorodifluoromethane	ND		25	20.6	82	21.0	84	2	34-158/22
156-59-2	cis-1,2-Dichloroethylene	ND		25	24.6	98	24.1	96	2	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	25.2	101	24.9	100	1	83-119/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61942
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61947-20MS	F032622.D	1	12/11/08	SH	n/a	n/a	VF820
F61947-20MSD	F032623.D	1	12/11/08	SH	n/a	n/a	VF820
F61947-20	F032621.D	1	12/11/08	SH	n/a	n/a	VF820

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61942-1, F61942-2

CAS No.	Compound	F61947-20 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		25	22.6	90	22.3	89	1	41-130/33
541-73-1	m-Dichlorobenzene	ND		25	24.5	98	24.4	98	0	86-115/9
95-50-1	o-Dichlorobenzene	ND		25	25.0	100	25.2	101	1	85-115/9
106-46-7	p-Dichlorobenzene	ND		25	24.3	97	24.2	97	0	87-113/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	26.7	107	26.0	104	3	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	25.9	104	25.8	103	0	87-123/10
100-41-4	Ethylbenzene	0.45	J	25	26.7	105	26.1	103	2	87-118/10
97-63-2	Ethyl methacrylate	ND		25	20.7	83	20.8	83	0	68-110/11
76-13-1	Freon 113	ND		25	29.5	118	26.2	105	12	74-139/13
591-78-6	2-Hexanone	ND		125	121	97	120	96	1	58-125/14
87-68-3	Hexachlorobutadiene	ND		25	28.5	114	28.2	113	1	71-133/12
110-54-3	Hexane	ND		25	26.9	108	25.4	102	6	71-134/11
98-82-8	Isopropylbenzene	ND		25	24.7	99	24.1	96	2	87-131/10
99-87-6	p-Isopropyltoluene	ND		25	25.3	101	25.3	101	0	83-125/9
108-10-1	4-Methyl-2-pentanone	ND		125	116	93	114	91	2	62-125/13
126-98-7	Methacrylonitrile	ND		250	251	100	244	98	3	62-133/17
74-83-9	Methyl bromide	ND		25	31.5	126	28.9	116	9	55-151/21
74-87-3	Methyl chloride	ND		25	25.3	101	25.8	103	2	55-173/22
74-88-4	Methyl iodide	ND		25	22.4	90	21.7	87	3	72-125/11
80-62-6	Methyl methacrylate	ND		25	23.7	95	24.3	97	3	63-115/10
74-95-3	Methylene bromide	ND		25	25.9	104	25.3	101	2	81-116/10
75-09-2	Methylene chloride	ND		25	27.0	108	26.1	104	3	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	129	103	124	99	4	61-127/13
1634-04-4	Methyl Tert Butyl Ether	ND		25	23.9	96	23.9	96	0	75-116/10
91-20-3	Naphthalene	ND		25	24.7	99	24.8	99	0	59-125/15
76-01-7	Pentachloroethane	ND		25	26.2	105	26.2	105	0	82-111/8
107-12-0	Propionitrile	ND		250	232	93	225	90	3	69-119/12
103-65-1	n-Propylbenzene	ND		25	26.4	106	25.6	102	3	86-125/10
100-42-5	Styrene	ND		25	23.3	93	22.9	92	2	78-118/11
630-20-6	1,1,1,2-Tetrachloroethane	ND		25	25.3	101	25.0	100	1	81-119/10
71-55-6	1,1,1-Trichloroethane	ND		25	30.1	120	28.7	115	5	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	23.3	93	22.7	91	3	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	22.9	92	22.5	90	2	80-114/11
87-61-6	1,2,3-Trichlorobenzene	ND		25	24.5	98	24.6	98	0	64-126/16
96-18-4	1,2,3-Trichloropropane	ND		25	21.5	86	21.5	86	0	77-115/12
120-82-1	1,2,4-Trichlorobenzene	ND		25	25.4	102	25.7	103	1	68-123/11

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61942
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61947-20MS	F032622.D	1	12/11/08	SH	n/a	n/a	VF820
F61947-20MSD	F032623.D	1	12/11/08	SH	n/a	n/a	VF820
F61947-20	F032621.D	1	12/11/08	SH	n/a	n/a	VF820

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61942-1, F61942-2

CAS No.	Compound	F61947-20 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		25	25.6	102	25.5	102	0	82-120/10
108-67-8	1,3,5-Trimethylbenzene	ND		25	24.7	99	24.3	97	2	83-123/10
127-18-4	Tetrachloroethylene	ND		25	23.8	95	23.2	93	3	80-131/12
108-88-3	Toluene	ND		25	24.7	99	24.1	96	2	86-116/10
79-01-6	Trichloroethylene	ND		25	26.6	106	26.3	105	1	85-124/10
75-69-4	Trichlorofluoromethane	ND		25	31.9	128	29.2	117	9	66-156/15
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		25	24.3	97	24.2	97	0	51-137/24
75-01-4	Vinyl chloride	ND		25	26.6	106	27.3	109	3	57-153/22
108-05-4	Vinyl Acetate	ND		125	161	129	156	125	3	38-159/11
	m,p-Xylene	ND		50	54.7	109	53.5	107	2	86-121/10
95-47-6	o-Xylene	ND		25	24.0	96	23.8	95	1	83-121/10

CAS No.	Surrogate Recoveries	MS	MSD	F61947-20	Limits
1868-53-7	Dibromofluoromethane	111%	109%	110%	87-116%
17060-07-0	1,2-Dichloroethane-D4	116%	115%	115%	76-127%
2037-26-5	Toluene-D8	96%	95%	101%	86-112%
460-00-4	4-Bromofluorobenzene	100%	101%	105%	84-120%

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61942
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV1903-MB	UV033129.D	1	12/12/08	AH	n/a	n/a	GUV1903

The QC reported here applies to the following samples: **Method:** SW846 8015

F61942-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	103%	57-129%
98-08-8	aaa-Trifluorotoluene	91%	58-120%

Blank Spike Summary

Job Number: F61942
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV1903-BS	UV033128.D	1	12/12/08	AH	n/a	n/a	GUV1903

The QC reported here applies to the following samples: **Method:** SW846 8015

F61942-1

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	0.4	0.411	103	75-129

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	104%	57-129%
98-08-8	aaa-Trifluorotoluene	89%	58-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61942
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61912-1MS	UV033141.D	1	12/12/08	AH	n/a	n/a	GUV1903
F61912-1MSD	UV033142.D	1	12/12/08	AH	n/a	n/a	GUV1903
F61912-1	UV033136.D	1	12/12/08	AH	n/a	n/a	GUV1903

The QC reported here applies to the following samples: **Method:** SW846 8015

F61942-1

CAS No.	Compound	F61912-1 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		0.4	0.391	98	0.420	105	7	75-129/13

CAS No.	Surrogate Recoveries	MS	MSD	F61912-1	Limits
460-00-4	4-Bromofluorobenzene	105%	96%	92%	57-129%
98-08-8	aaa-Trifluorotoluene	100%	97%	99%	58-120%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61942
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27397-MB	YY10582.D	1	12/17/08	NY	12/10/08	OP27397	GYY379

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61942-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.25	0.10	mg/l	
	TPH (> C22-C36)	ND	0.25	0.10	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	81%	42-114%

Method Blank Summary

Job Number: F61942
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27397-MB	YY10613.D	1	12/18/08	NY	12/10/08	OP27397	GYY380

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61942-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.25	0.10	mg/l	
	TPH (> C22-C36)	ND	0.25	0.10	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	95%	42-114%

Blank Spike Summary

Job Number: F61942
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27397-BS	YY10581.D	1	12/17/08	NY	12/10/08	OP27397	GYY379

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61942-1

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH (C10-C22)	1	0.929	93	60-140
	TPH (> C22-C36)	1	0.902	90	60-140

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	85%	42-114%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61942
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27397-MS	YY10605.D	1	12/18/08	NY	12/10/08	OP27397	GYY379
OP27397-MSD	YY10606.D	1	12/18/08	NY	12/10/08	OP27397	GYY379
F62086-1	YY10604.D	1	12/18/08	NY	12/10/08	OP27397	GYY379

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61942-1

CAS No.	Compound	F62086-1 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	0.123	J	1.92	2.06	101	1.99	97	3	60-140/30
	TPH (> C22-C36)	0.219	J	1.92	2.09	97	2.13	99	2	60-140/30

CAS No.	Surrogate Recoveries	MS	MSD	F62086-1	Limits
84-15-1	o-Terphenyl	92%	90%	95%	42-114%

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/29/08

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F61994

Sampling Date: 12/04/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **44**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Sections: 1 2 3 4 5 6 7 8

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F61994-1: SS61-MW15 7
3.2: F61994-2: TRIP BLANK 13
Section 4: Misc. Forms **16**
4.1: Certification Exceptions 17
4.2: Chain of Custody 18
Section 5: GC/MS Volatiles - QC Data Summaries **20**
5.1: Method Blank Summary 21
5.2: Blank Spike Summary 25
5.3: Matrix Spike/Matrix Spike Duplicate Summary 29
Section 6: GC Volatiles - QC Data Summaries **33**
6.1: Method Blank Summary 34
6.2: Blank Spike Summary 35
6.3: Matrix Spike/Matrix Spike Duplicate Summary 36
Section 7: GC Semi-volatiles - QC Data Summaries **37**
7.1: Method Blank Summary 38
7.2: Blank Spike Summary 40
7.3: Matrix Spike/Matrix Spike Duplicate Summary 41
Section 8: General Chemistry - QC Data Summaries **42**
8.1: Method Blank and Spike Results Summary 43
8.2: Duplicate Results Summary 44

Sample Summary

North Wind, Inc

Job No: F61994

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F61994-1	12/04/08	10:00	DM	12/05/08	AQ	Ground Water	SS61-MW15
F61994-2	12/04/08	00:00	DM	12/05/08	AQ	Trip Blank Water	TRIP BLANK

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F61994

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/26/2008 12:21:54

1 Sample, 1 Trip Blank were collected on 12/04/2008 and received at Accutest on 12/05/2008 properly preserved, at 2.6 Deg. C and intact. These Samples received an Accutest job number of F61994. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VJ2701

All method blanks for this batch meet method specific criteria.

Sample(s) F62213-4MS, F62213-4MSD were used as the QC samples indicated.

Matrix Spike Recovery(s) for 1,2-Dibromoethane, 2-Chloroethyl vinyl ether, Allyl chloride, Chloroform, Ethyl methacrylate, Hexachlorobutadiene, Methyl methacrylate, n-Butylbenzene, o-Chlorotoluene, sec-Butylbenzene, Trans-1,4-Dichloro-2-Butene are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,1,2-Trichloroethane, 1,2,4-Trimethylbenzene, 1,2-Dibromoethane, 2-Chloroethyl vinyl ether, Acrolein, Allyl chloride, Chloroform, Ethyl methacrylate, Ethylbenzene, Methyl methacrylate, n-Butylbenzene, n-Propylbenzene, o-Chlorotoluene, sec-Butylbenzene, Toluene, Trans-1,4-Dichloro-2-Butene are outside control limits. Probable cause due to matrix interference.

Matrix Spike Recovery(s) for 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, Hexane, m,p-Xylene are outside control limits. Outside control limits due to high level in sample relative to spike amount.

RPD(s) for MSD for 1,1,2-Trichloroethane, 2-Chloroethyl vinyl ether, 4-Methyl-2-pentanone, Hexane, m,p-Xylene are outside control limits for sample F62213-4MSD. Probable cause due to sample homogeneity.

Matrix: AQ **Batch ID:** VJ2703

All method blanks for this batch meet method specific criteria.

Sample(s) F62077-1MS, F62077-1MSD were used as the QC samples indicated.

The following samples were run outside of holding time for method SW846 8260B: F61994-1, F61994-2 Sample re-analyzed beyond hold time; reported results are considered minimum values.

F61994-2: Sample re-analyzed beyond hold time; reported results are considered minimum values.

F61994-1: Sample re-analyzed beyond hold time; reported results are considered minimum values.

Volatiles by GC By Method SW846 8015

Matrix: AQ **Batch ID:** GUV1903

All samples were analyzed within the recommended method holding time.

Sample(s) F61912-1MS, F61912-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Extractables by GC By Method SW846 8015 M

Matrix: AQ **Batch ID:** OP27370

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F61996-3MS, F61996-3MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

F61994-1 for TPH (C10-C22): Petroleum hydrocarbon pattern begins before C10.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN33085

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61994-1DUP were used as the QC samples for Solids, Total Dissolved.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____

Svetlana Izosimova, QAO (signature on file)

Date: December 26, 2008

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-MW15		
Lab Sample ID:	F61994-1	**Date Sampled:**	12/04/08
Matrix:	AQ - Ground Water	**Date Received:**	12/05/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J043614.D	1	12/18/08	KW	n/a	n/a	VJ2701
Run #2 [a]	J043651.D	20	12/19/08	KW	n/a	n/a	VJ2703

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	82.5	1.0	0.40	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	8.5	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	23.6	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	8.3	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW15		
Lab Sample ID:	F61994-1	**Date Sampled:**	12/04/08
Matrix:	AQ - Ground Water	**Date Received:**	12/05/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.82	1.0	0.20	ug/l	J
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	134 [b]	20	8.6	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane	8.3	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	1640 [b]	20	4.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	26.4	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW15		
Lab Sample ID:	F61994-1	**Date Sampled:**	12/04/08
Matrix:	AQ - Ground Water	**Date Received:**	12/05/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	0.52	1.0	0.35	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	0.90	2.0	0.78	ug/l	J
95-47-6	o-Xylene	2.1	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	98%	94%	76-127%
2037-26-5	Toluene-D8	105%	105%	86-112%
460-00-4	4-Bromofluorobenzene	110%	104%	84-120%

(a) Sample re-analyzed beyond hold time; reported results are considered minimum values.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW15		
Lab Sample ID:	F61994-1	**Date Sampled:**	12/04/08
Matrix:	AQ - Ground Water	**Date Received:**	12/05/08
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV033131.D	10	12/12/08	AH	n/a	n/a	GUV1903
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	7.80	1.0	0.50	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%		57-129%
98-08-8	aaa-Trifluorotoluene	102%		58-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW15		
Lab Sample ID:	F61994-1	**Date Sampled:**	12/04/08
Matrix:	AQ - Ground Water	**Date Received:**	12/05/08
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL24500.D	1	12/12/08	NY	12/08/08	OP27370	GLL913
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22) [a]	0.545	0.24	0.095	mg/l	
	TPH (> C22-C36)	ND	0.24	0.095	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	87%		42-114%

(a) Petroleum hydrocarbon pattern begins before C10.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW15		
Lab Sample ID:	F61994-1	**Date Sampled:**	12/04/08
Matrix:	AQ - Ground Water	**Date Received:**	12/05/08
		Percent Solids:	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	3990	100	10	mg/l	1	12/09/08 08:05	LE	SM19 2540C

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61994-2	**Date Sampled:**	12/04/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/05/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J043615.D	1	12/18/08	KW	n/a	n/a	VJ2701
Run #2 [a]	J043652.D	1	12/19/08	KW	n/a	n/a	VJ2703

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61994-2	**Date Sampled:**	12/04/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/05/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND [b]	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	2.3	5.0	1.0	ug/l	J
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F61994-2	**Date Sampled:**	12/04/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/05/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	ND	2.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	97%	93%	76-127%
2037-26-5	Toluene-D8	108%	104%	86-112%
460-00-4	4-Bromofluorobenzene	109%	103%	84-120%

(a) Sample re-analyzed beyond hold time; reported results are considered minimum values.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

Parameter Certification Exceptions

Job Number: F61994
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

The following parameters included in this report are exceptions to NELAC certification.
The certification status of each is indicated below.

Parameter	CAS#	Method	Mat	Certification Status
Freon 113	76-13-1	**SW846 8260B**	AQ	Certified by SOP MS005

F61994

Page 1 of 1

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number [1]: 12-04-2008-1

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Dustin McNeil

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)					Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
1	SS61-MW15	SS61-MW15	04-Dec-2008	1000	-	N	01	WG	7	X	X	X	X								1
2	Trip Blank				-	TB		WG	2	X											1
					-																
					-																
					-																
					-																
					-																
					-																
					-																
					-																
					-																

Sample Analysis Requested [5] | Quality Assurance Samples [6]

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time		Received by (signed)	Date	Time
1.	[signature]	12/4/08	1400	1.	[signature]		
2.	[signature]	12/5/08	9:30	2.	[signature]	12/5/08	9:30
3.				3.			

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: _____ Shipped No.: _____

Method of Shipment: _____ Airbill Number: _____

Analytical Lab: Accutest Laboratories Delivery Location: _____

Lab Recipient: _____ Delivery Date/Time: _____

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

2.6

F61994: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F61994 CLIENT: BHATE PROJECT: SS-61

DATE/TIME RECEIVED: 12/5/08 9:30 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.6

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8668 3474 8694.

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [X] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ?

NUMBER OF 5035 FIELD KITS ?

NUMBER OF LAB FILTERED METALS ?

SUMMARY OF COMMENTS: Only received 2 vials (8260) for sample 1

Only received 2 Gro vials ~~(8021)~~ CR (8015) " " 1

TECHNICIAN SIGNATURE/DATE: 12/5/08 TECHNICIAN SIGNATURE/DATE: 12-5-08

ASBD 12/17/07

4.2 4

F61994: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61994
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2701-MB	J043613.D	1	12/18/08	KW	n/a	n/a	VJ2701

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61994-1, F61994-2

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

Method Blank Summary

Job Number: F61994
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2701-MB	J043613.D	1	12/18/08	KW	n/a	n/a	VJ2701

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61994-1, F61994-2

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	1.0	2.0	0.69	ug/l	J
110-54-3	Hexane	ND	2.0	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.82	1.0	0.50	ug/l	J
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	0.51	1.0	0.50	ug/l	J
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	

Method Blank Summary

Job Number: F61994
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2701-MB	J043613.D	1	12/18/08	KW	n/a	n/a	VJ2701

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61994-1, F61994-2

CAS No.	Compound	Result	RL	MDL	Units	Q
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	ND	2.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	98%	76-127%
2037-26-5	Toluene-D8	108%	86-112%
460-00-4	4-Bromofluorobenzene	112%	84-120%

Method Blank Summary

Job Number: F61994
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2703-MB	J043648.D	1	12/19/08	KW	n/a	n/a	VJ2703

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61994-1, F61994-2

CAS No.	Compound	Result	RL	MDL	Units	Q
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	93%	76-127%
2037-26-5	Toluene-D8	103%	86-112%
460-00-4	4-Bromofluorobenzene	105%	84-120%

Blank Spike Summary

Job Number: F61994
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2701-BS	J043612.D	1	12/18/08	KW	n/a	n/a	VJ2701

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61994-1, F61994-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	86.1	69	59-134
75-05-8	Acetonitrile	250	222	89	57-123
107-02-8	Acrolein	125	92.3	74	33-157
107-13-1	Acrylonitrile	125	109	87	62-124
107-05-1	Allyl chloride	25	24.8	99	48-136
71-43-2	Benzene	25	27.3	109	83-124
100-44-7	Benzyl Chloride	25	19.3	77	61-118
108-86-1	Bromobenzene	25	26.2	105	83-115
74-97-5	Bromochloromethane	25	21.1	84	78-112
75-27-4	Bromodichloromethane	25	24.7	99	76-116
75-25-2	Bromoform	25	26.0	104	68-128
104-51-8	n-Butylbenzene	25	25.3	101	84-124
135-98-8	sec-Butylbenzene	25	26.8	107	86-127
98-06-6	tert-Butylbenzene	25	28.3	113	83-126
108-90-7	Chlorobenzene	25	27.2	109	87-115
75-00-3	Chloroethane	25	29.0	116	54-166
67-66-3	Chloroform	25	27.0	108	85-123
544-10-5	1-Chlorohexane	25	27.5	110	87-128
95-49-8	o-Chlorotoluene	25	26.6	106	84-121
106-43-4	p-Chlorotoluene	25	26.5	106	84-120
110-75-8	2-Chloroethyl vinyl ether	125	122	98	63-125
75-15-0	Carbon disulfide	25	23.1	92	67-147
56-23-5	Carbon tetrachloride	25	29.1	116	74-139
75-34-3	1,1-Dichloroethane	25	27.2	109	82-127
75-35-4	1,1-Dichloroethylene	25	27.6	110	75-133
563-58-6	1,1-Dichloropropene	25	26.9	108	87-127
96-12-8	1,2-Dibromo-3-chloropropane	25	25.6	102	61-118
106-93-4	1,2-Dibromoethane	25	26.8	107	80-115
107-06-2	1,2-Dichloroethane	25	25.5	102	76-122
78-87-5	1,2-Dichloropropane	25	25.2	101	81-120
142-28-9	1,3-Dichloropropane	25	25.4	102	81-113
594-20-7	2,2-Dichloropropane	25	29.2	117	77-138
124-48-1	Dibromochloromethane	25	26.1	104	74-116
75-71-8	Dichlorodifluoromethane	25	23.1	92	34-158
156-59-2	cis-1,2-Dichloroethylene	25	24.7	99	81-114
10061-01-5	cis-1,3-Dichloropropene	25	24.1	96	83-119

Blank Spike Summary

Job Number: F61994
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2701-BS	J043612.D	1	12/18/08	KW	n/a	n/a	VJ2701

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61994-1, F61994-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	25	23.5	94	41-130
541-73-1	m-Dichlorobenzene	25	25.6	102	86-115
95-50-1	o-Dichlorobenzene	25	24.3	97	85-115
106-46-7	p-Dichlorobenzene	25	26.6	106	87-113
156-60-5	trans-1,2-Dichloroethylene	25	28.7	115	82-126
10061-02-6	trans-1,3-Dichloropropene	25	29.4	118	87-123
100-41-4	Ethylbenzene	25	29.0	116	87-118
97-63-2	Ethyl methacrylate	25	23.7	95	68-110
76-13-1	Freon 113	25	22.6	90	74-139
591-78-6	2-Hexanone	125	89.6	72	58-125
87-68-3	Hexachlorobutadiene	25	28.3	113	71-133
110-54-3	Hexane	25	26.0	104	71-134
99-87-6	p-Isopropyltoluene	25	27.2	109	83-125
108-10-1	4-Methyl-2-pentanone	125	115	92	62-125
126-98-7	Methacrylonitrile	250	237	95	62-133
74-83-9	Methyl bromide	25	25.7	103	55-151
74-87-3	Methyl chloride	25	24.9	100	55-173
74-88-4	Methyl iodide	25	21.8	87	72-125
80-62-6	Methyl methacrylate	25	22.6	90	63-115
74-95-3	Methylene bromide	25	25.5	102	81-116
75-09-2	Methylene chloride	25	23.9	96	69-125
78-93-3	Methyl ethyl ketone	125	104	83	61-127
1634-04-4	Methyl Tert Butyl Ether	25	23.3	93	75-116
91-20-3	Naphthalene	25	23.1	92	59-125
76-01-7	Pentachloroethane	25	27.2	109	82-111
107-12-0	Propionitrile	250	234	94	69-119
103-65-1	n-Propylbenzene	25	25.8	103	86-125
100-42-5	Styrene	25	25.1	100	78-118
630-20-6	1,1,1,2-Tetrachloroethane	25	26.6	106	81-119
71-55-6	1,1,1-Trichloroethane	25	27.9	112	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	24.5	98	71-120
79-00-5	1,1,2-Trichloroethane	25	24.3	97	80-114
87-61-6	1,2,3-Trichlorobenzene	25	24.1	96	64-126
96-18-4	1,2,3-Trichloropropane	25	21.7	87	77-115
120-82-1	1,2,4-Trichlorobenzene	25	24.0	96	68-123
95-63-6	1,2,4-Trimethylbenzene	25	25.8	103	82-120

Blank Spike Summary

Job Number: F61994
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2701-BS	J043612.D	1	12/18/08	KW	n/a	n/a	VJ2701

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61994-1, F61994-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
108-67-8	1,3,5-Trimethylbenzene	25	27.2	109	83-123
127-18-4	Tetrachloroethylene	25	30.0	120	80-131
108-88-3	Toluene	25	28.7	115	86-116
79-01-6	Trichloroethylene	25	27.6	110	85-124
75-69-4	Trichlorofluoromethane	25	21.9	88	66-156
110-57-6	Trans-1,4-Dichloro-2-Butene	25	22.2	89	51-137
75-01-4	Vinyl chloride	25	27.4	110	57-153
108-05-4	Vinyl Acetate	125	135	108	38-159
	m,p-Xylene	50	52.7	105	86-121
95-47-6	o-Xylene	25	27.2	109	83-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	105%	76-127%
2037-26-5	Toluene-D8	106%	86-112%
460-00-4	4-Bromofluorobenzene	106%	84-120%

Blank Spike Summary

Job Number: F61994
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2703-BS	J043646.D	1	12/19/08	KW	n/a	n/a	VJ2703

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61994-1, F61994-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
100-41-4	Ethylbenzene	25	28.6	114	87-118
98-82-8	Isopropylbenzene	25	27.5	110	87-131

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	87-116%
17060-07-0	1,2-Dichloroethane-D4	96%	76-127%
2037-26-5	Toluene-D8	99%	86-112%
460-00-4	4-Bromofluorobenzene	99%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61994
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62213-4MS	J043621.D	20	12/18/08	KW	n/a	n/a	VJ2701
F62213-4MSD	J043622.D	20	12/18/08	KW	n/a	n/a	VJ2701
F62213-4 [a]	J043620.D	20	12/18/08	KW	n/a	n/a	VJ2701

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61994-1, F61994-2

CAS No.	Compound	F62213-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	901		2500	2410	60	2370	59	2	59-134/14
75-05-8	Acetonitrile	ND		5000	3290	66	3480	70	6	57-123/15
107-02-8	Acrolein	3600		2500	4420	33	4310	28*	3	33-157/21
107-13-1	Acrylonitrile	860		2500	2770	76	2690	73	3	62-124/13
107-05-1	Allyl chloride	ND		500	185	37*	202	40*	9	48-136/13
71-43-2	Benzene	ND		500	522	104	528	106	1	83-124/11
100-44-7	Benzyl Chloride	ND		500	332	66	351	70	6	61-118/12
108-86-1	Bromobenzene	ND		500	495	99	517	103	4	83-115/10
74-97-5	Bromochloromethane	ND		500	430	86	445	89	3	78-112/10
75-27-4	Bromodichloromethane	ND		500	477	95	492	98	3	76-116/10
75-25-2	Bromoform	ND		500	492	98	510	102	4	68-128/11
104-51-8	n-Butylbenzene	233		500	635	80*	615	76*	3	84-124/10
135-98-8	sec-Butylbenzene	149		500	565	83*	557	82*	1	86-127/10
98-06-6	tert-Butylbenzene	ND		500	506	101	516	103	2	83-126/10
108-90-7	Chlorobenzene	ND		500	525	105	552	110	5	87-115/9
75-00-3	Chloroethane	ND		500	506	101	484	97	4	54-166/20
67-66-3	Chloroform	ND		500	669	134*	680	136*	2	85-123/10
544-10-5	1-Chlorohexane	ND		500	472	94	492	98	4	87-128/10
95-49-8	o-Chlorotoluene	ND		500	886	177*	865	173*	2	84-121/10
106-43-4	p-Chlorotoluene	ND		500	492	98	506	101	3	84-120/10
110-75-8	2-Chloroethyl vinyl ether	ND		2500	233	9*	160	6*	37*	63-125/24
75-15-0	Carbon disulfide	ND		500	445	89	450	90	1	67-147/12
56-23-5	Carbon tetrachloride	ND		500	494	99	523	105	6	74-139/13
75-34-3	1,1-Dichloroethane	ND		500	544	109	555	111	2	82-127/10
75-35-4	1,1-Dichloroethylene	ND		500	536	107	528	106	2	75-133/13
563-58-6	1,1-Dichloropropene	ND		500	529	106	536	107	1	87-127/10
96-12-8	1,2-Dibromo-3-chloropropane	ND		500	568	114	576	115	1	61-118/15
106-93-4	1,2-Dibromoethane	ND		500	583	117*	591	118*	1	80-115/10
107-06-2	1,2-Dichloroethane	ND		500	500	100	494	99	1	76-122/11
78-87-5	1,2-Dichloropropane	ND		500	548	110	535	107	2	81-120/11
142-28-9	1,3-Dichloropropane	ND		500	533	107	549	110	3	81-113/11
594-20-7	2,2-Dichloropropane	ND		500	633	127	658	132	4	77-138/12
124-48-1	Dibromochloromethane	ND		500	523	105	567	113	8	74-116/11
75-71-8	Dichlorodifluoromethane	ND		500	414	83	411	82	1	34-158/22
156-59-2	cis-1,2-Dichloroethylene	ND		500	496	99	522	104	5	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		500	462	92	456	91	1	83-119/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61994
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62213-4MS	J043621.D	20	12/18/08	KW	n/a	n/a	VJ2701
F62213-4MSD	J043622.D	20	12/18/08	KW	n/a	n/a	VJ2701
F62213-4 [a]	J043620.D	20	12/18/08	KW	n/a	n/a	VJ2701

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61994-1, F61994-2

CAS No.	Compound	F62213-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		500	576	115	426	85	30	41-130/33
541-73-1	m-Dichlorobenzene	ND		500	434	87	450	90	4	86-115/9
95-50-1	o-Dichlorobenzene	ND		500	433	87	444	89	3	85-115/9
106-46-7	p-Dichlorobenzene	ND		500	491	98	496	99	1	87-113/10
156-60-5	trans-1,2-Dichloroethylene	ND		500	573	115	579	116	1	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		500	570	114	582	116	2	87-123/10
100-41-4	Ethylbenzene	1380		500	1870	98	1790	82* [b]	4	87-118/10
97-63-2	Ethyl methacrylate	189		500	776	117*	746	111*	4	68-110/11
76-13-1	Freon 113	ND		500	416	83	428	86	3	74-139/13
591-78-6	2-Hexanone	ND		2500	1760	70	1690	68	4	58-125/14
87-68-3	Hexachlorobutadiene	ND		500	352	70*	366	73	4	71-133/12
110-54-3	Hexane	3230	E	500	4870	328* [b]	4130	180* [b]	16*	71-134/11
99-87-6	p-Isopropyltoluene	222		500	652	86	661	88	1	83-125/9
108-10-1	4-Methyl-2-pentanone	678		2500	3040	94	2610	77	15*	62-125/13
126-98-7	Methacrylonitrile	ND		5000	3640	73	3480	70	4	62-133/17
74-83-9	Methyl bromide	ND		500	461	92	463	93	0	55-151/21
74-87-3	Methyl chloride	ND		500	508	102	479	96	6	55-173/22
74-88-4	Methyl iodide	ND		500	421	84	440	88	4	72-125/11
80-62-6	Methyl methacrylate	ND		500	615	123*	581	116*	6	63-115/10
74-95-3	Methylene bromide	ND		500	521	104	533	107	2	81-116/10
75-09-2	Methylene chloride	ND		500	437	87	428	86	2	69-125/11
78-93-3	Methyl ethyl ketone	ND		2500	2640	106	2370	95	11	61-127/13
1634-04-4	Methyl Tert Butyl Ether	ND		500	466	93	491	98	5	75-116/10
91-20-3	Naphthalene	1250		500	1720	94	1650	80	4	59-125/15
76-01-7	Pentachloroethane	ND		500	475	95	501	100	5	82-111/8
107-12-0	Propionitrile	ND		5000	3750	75	4030	81	7	69-119/12
103-65-1	n-Propylbenzene	1110		500	1580	94	1480	74* [b]	7	86-125/10
100-42-5	Styrene	ND		500	487	97	512	102	5	78-118/11
630-20-6	1,1,1,2-Tetrachloroethane	ND		500	521	104	569	114	9	81-119/10
71-55-6	1,1,1-Trichloroethane	ND		500	565	113	595	119	5	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		500	559	112	526	105	6	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		500	476	95	2170	434*	128*	80-114/11
87-61-6	1,2,3-Trichlorobenzene	ND		500	422	84	424	85	0	64-126/16
96-18-4	1,2,3-Trichloropropane	ND		500	503	101	498	100	1	77-115/12
120-82-1	1,2,4-Trichlorobenzene	ND		500	394	79	397	79	1	68-123/11
95-63-6	1,2,4-Trimethylbenzene	7750	E	500	1450	-1260* [b]	1380	-1274* [b]	5	82-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61994
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62213-4MS	J043621.D	20	12/18/08	KW	n/a	n/a	VJ2701
F62213-4MSD	J043622.D	20	12/18/08	KW	n/a	n/a	VJ2701
F62213-4 [a]	J043620.D	20	12/18/08	KW	n/a	n/a	VJ2701

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61994-1, F61994-2

CAS No.	Compound	F62213-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
108-67-8	1,3,5-Trimethylbenzene	3210	E	500	3470	52* [b]	3180	-6* [b]	9	83-123/10
127-18-4	Tetrachloroethylene	ND		500	524	105	563	113	7	80-131/12
108-88-3	Toluene	59.3		500	625	113	648	118*	4	86-116/10
79-01-6	Trichloroethylene	ND		500	619	124	610	122	1	85-124/10
75-69-4	Trichlorofluoromethane	ND		500	421	84	373	75	12	66-156/15
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		500	211	42*	200	40*	5	51-137/24
75-01-4	Vinyl chloride	ND		500	491	98	489	98	0	57-153/22
108-05-4	Vinyl Acetate	ND		2500	2280	91	2220	89	3	38-159/11
	m,p-Xylene	5820	E	1000	5570	-25* [b]	4820	-100* [b]	14*	86-121/10
95-47-6	o-Xylene	147		500	693	109	701	111	1	83-121/10

CAS No.	Surrogate Recoveries	MS	MSD	F62213-4	Limits
1868-53-7	Dibromofluoromethane	97%	97%	90%	87-116%
17060-07-0	1,2-Dichloroethane-D4	108%	106%	98%	76-127%
2037-26-5	Toluene-D8	109%	109%	103%	86-112%
460-00-4	4-Bromofluorobenzene	117%	115%	101%	84-120%

(a) Results from different vials are not consistent; higher results were reported.
(b) Outside control limits due to high level in sample relative to spike amount.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61994
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62077-1MS	J043659.D	1	12/19/08	KW	n/a	n/a	VJ2703
F62077-1MSD	J043660.D	1	12/19/08	KW	n/a	n/a	VJ2703
F62077-1	J043658.D	1	12/19/08	KW	n/a	n/a	VJ2703

The QC reported here applies to the following samples: **Method:** SW846 8260B

F61994-1, F61994-2

CAS No.	Compound	F62077-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
100-41-4	Ethylbenzene	ND		25	27.3	109	28.8	115	5	87-118/10
98-82-8	Isopropylbenzene	ND		25	25.1	100	27.3	109	8	87-131/10

CAS No.	Surrogate Recoveries	MS	MSD	F62077-1	Limits
1868-53-7	Dibromofluoromethane	97%	96%	98%	87-116%
17060-07-0	1,2-Dichloroethane-D4	97%	97%	94%	76-127%
2037-26-5	Toluene-D8	97%	102%	102%	86-112%
460-00-4	4-Bromofluorobenzene	95%	98%	102%	84-120%

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61994
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV1903-MB	UV033129.D	1	12/12/08	AH	n/a	n/a	GUV1903

The QC reported here applies to the following samples: **Method:** SW846 8015

F61994-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	103%	57-129%
98-08-8	aaa-Trifluorotoluene	91%	58-120%

Blank Spike Summary

Job Number: F61994
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV1903-BS	UV033128.D	1	12/12/08	AH	n/a	n/a	GUV1903

The QC reported here applies to the following samples: **Method:** SW846 8015

F61994-1

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	0.4	0.411	103	75-129

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	104%	57-129%
98-08-8	aaa-Trifluorotoluene	89%	58-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61994
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61912-1MS	UV033141.D	1	12/12/08	AH	n/a	n/a	GUV1903
F61912-1MSD	UV033142.D	1	12/12/08	AH	n/a	n/a	GUV1903
F61912-1	UV033136.D	1	12/12/08	AH	n/a	n/a	GUV1903

The QC reported here applies to the following samples: **Method:** SW846 8015

F61994-1

CAS No.	Compound	F61912-1 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		0.4	0.391	98	0.420	105	7	75-129/13

CAS No.	Surrogate Recoveries	MS	MSD	F61912-1	Limits
460-00-4	4-Bromofluorobenzene	105%	96%	92%	57-129%
98-08-8	aaa-Trifluorotoluene	100%	97%	99%	58-120%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F61994
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27370-MB	LL24472.D	1	12/11/08	NY	12/08/08	OP27370	GLL912

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61994-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.25	0.10	mg/l	
	TPH (> C22-C36)	ND	0.25	0.10	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	88%	42-114%

Method Blank Summary

Job Number: F61994
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27370-MB	LL24497.D	1	12/12/08	NY	12/08/08	OP27370	GLL913

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61994-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.25	0.10	mg/l	
	TPH (> C22-C36)	ND	0.25	0.10	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	85%	42-114%

Blank Spike Summary

Job Number: F61994
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27370-BS	LL24471.D	1	12/11/08	NY	12/08/08	OP27370	GLL912

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61994-1

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH (C10-C22)	1	0.992	99	60-140
	TPH (> C22-C36)	1	1.10	110	60-140

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	103%	42-114%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F61994
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27370-MS	LL24488.D	1	12/12/08	NY	12/08/08	OP27370	GLL912
OP27370-MSD	LL24489.D	1	12/12/08	NY	12/08/08	OP27370	GLL912
F61996-3	LL24487.D	1	12/12/08	NY	12/08/08	OP27370	GLL912

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F61994-1

CAS No.	Compound	F61996-3 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	ND		1.92	1.94	101	1.74	90	11	60-140/30
	TPH (> C22-C36)	ND		1.92	2.17	113	2.04	106	6	60-140/30

CAS No.	Surrogate Recoveries	MS	MSD	F61996-3	Limits
84-15-1	o-Terphenyl	104%	95%	83%	42-114%

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: F61994
Account: NWIDIF - North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Solids, Total Dissolved	GN33085	100	<100	mg/l				

Associated Samples:
Batch GN33085: F61994-1
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: F61994
Account: NWIDIF - North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Solids, Total Dissolved	GN33085	F61994-1	mg/l	3990	4000	0.2	0-5%

Associated Samples:
Batch GN33085: F61994-1
(*) Outside of QC limits

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

12/29/08

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F62042

Sampling Dates: 12/04/08 - 12/05/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **55**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.

Test results relate only to samples analyzed.

Sections: 1 2 3 4 5 6 7 8

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F62042-1: SS61-TMW81 7
3.2: F62042-2: SS61-MW16 12
3.3: F62042-3: TRIP BLANK 18
Section 4: Misc. Forms **21**
4.1: Certification Exceptions 22
4.2: Chain of Custody 23
Section 5: GC/MS Volatiles - QC Data Summaries **25**
5.1: Method Blank Summary 26
5.2: Blank Spike Summary 32
5.3: Matrix Spike/Matrix Spike Duplicate Summary 38
Section 6: GC Volatiles - QC Data Summaries **44**
6.1: Method Blank Summary 45
6.2: Blank Spike Summary 46
6.3: Matrix Spike/Matrix Spike Duplicate Summary 47
Section 7: GC Semi-volatiles - QC Data Summaries **48**
7.1: Method Blank Summary 49
7.2: Blank Spike Summary 51
7.3: Matrix Spike/Matrix Spike Duplicate Summary 52
Section 8: General Chemistry - QC Data Summaries **53**
8.1: Method Blank and Spike Results Summary 54
8.2: Duplicate Results Summary 55

Sample Summary

North Wind, Inc

Job No: F62042

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F62042-1	12/04/08	16:25	DM	12/06/08	AQ	Ground Water	SS61-TMW81
F62042-2	12/05/08	10:20	DM	12/06/08	AQ	Ground Water	SS61-MW16
F62042-3	12/04/08	00:00	DM	12/06/08	AQ	Trip Blank Water	TRIP BLANK

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F62042

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/23/2008 1:27:51

2 Samples, 1 Trip Blank were collected on between 12/04/2008 and 12/05/2008 and received at Accutest on 12/06/2008 properly preserved, at 2.8 Deg. C and intact. These Samples received an Accutest job number of F62042. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VF820

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61947-20MS, F61947-20MSD were used as the QC samples indicated.

Blank Spike Recovery(s) for 2-Chloroethyl vinyl ether, Acetone, Acrolein, Methyl ethyl ketone are outside control limits.

Matrix Spike Recovery(s) for 2-Chloroethyl vinyl ether, Acrolein are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 2-Chloroethyl vinyl ether, Acrolein are outside control limits. Probable cause due to matrix interference.

RPD(s) for MSD for Acrolein are outside control limits for sample F61947-20MSD. Probable cause due to sample homogeneity.

F62042-1 for Acetone: CCV outside of control limits; results may be biased high.

Matrix: AQ **Batch ID:** VJ2701

All samples were analyzed within the recommended method holding time.

Sample(s) F62213-4MS, F62213-4MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Matrix Spike Recovery(s) for 1,2-Dibromoethane, 2-Chloroethyl vinyl ether, Allyl chloride, Chloroform, Ethyl methacrylate, Hexachlorobutadiene, Methyl methacrylate, n-Butylbenzene, o-Chlorotoluene, sec-Butylbenzene, Trans-1,4-Dichloro-2-Butene are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,1,2-Trichloroethane, 1,2,4-Trimethylbenzene, 1,2-Dibromoethane, 2-Chloroethyl vinyl ether, Acrolein, Allyl chloride, Chloroform, Ethyl methacrylate, Ethylbenzene, Methyl methacrylate, n-Butylbenzene, n-Propylbenzene, o-Chlorotoluene, sec-Butylbenzene, Toluene, Trans-1,4-Dichloro-2-Butene are outside control limits. Probable cause due to matrix interference.

Matrix Spike Recovery(s) for 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, Hexane, m,p-Xylene are outside control limits. Outside control limits due to high level in sample relative to spike amount.

RPD(s) for MSD for 1,1,2-Trichloroethane, 2-Chloroethyl vinyl ether, 4-Methyl-2-pentanone, Hexane, m,p-Xylene are outside control limits for sample F62213-4MSD. Probable cause due to sample homogeneity.

Volatiles by GC By Method SW846 8015

Matrix: AQ **Batch ID:** GUV1907

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F62044-1MS, F62044-1MSD were used as the QC samples indicated.

Extractables by GC By Method SW846 8015 M

Matrix: AQ **Batch ID:** OP27397

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F62086-1MS, F62086-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

F62042-2 for TPH (C10-C22): Petroleum hydrocarbon pattern begins before C10.

F62042-1 for TPH (C10-C22): Petroleum hydrocarbon pattern begins before C10.

Wet Chemistry By Method SM19 2540C

Matrix: AQ **Batch ID:** GN33085

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F61994-1DUP were used as the QC samples for Solids, Total Dissolved.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: December 24, 2008

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-TMW81		
Lab Sample ID:	F62042-1	**Date Sampled:**	12/04/08
Matrix:	AQ - Ground Water	**Date Received:**	12/06/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F032613.D	10	12/11/08	SH	n/a	n/a	VF820
Run #2	F032619.D	500	12/11/08	SH	n/a	n/a	VF820

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	813	250	100	ug/l	J
75-05-8	Acetonitrile	ND	200	50	ug/l	
107-02-8	Acrolein	ND	200	50	ug/l	
107-13-1	Acrylonitrile	ND	100	20	ug/l	
107-05-1	Allyl chloride	ND	100	20	ug/l	
71-43-2	Benzene	11100 [b]	500	200	ug/l	
100-44-7	Benzyl Chloride	ND	20	3.6	ug/l	
108-86-1	Bromobenzene	ND	10	2.6	ug/l	
74-97-5	Bromochloromethane	ND	10	2.3	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.0	ug/l	
75-25-2	Bromoform	ND	10	3.3	ug/l	
104-51-8	n-Butylbenzene	ND	10	2.8	ug/l	
135-98-8	sec-Butylbenzene	9.9	10	2.5	ug/l	J
98-06-6	tert-Butylbenzene	5.8	10	3.2	ug/l	J
108-90-7	Chlorobenzene	ND	10	2.2	ug/l	
75-00-3	Chloroethane	ND	20	4.8	ug/l	
67-66-3	Chloroform	ND	10	2.8	ug/l	
544-10-5	1-Chlorohexane	ND	20	2.7	ug/l	
95-49-8	o-Chlorotoluene	ND	10	2.5	ug/l	
106-43-4	p-Chlorotoluene	ND	10	2.1	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	50	10	ug/l	
75-15-0	Carbon disulfide	ND	20	4.0	ug/l	
56-23-5	Carbon tetrachloride	ND	10	2.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	2.4	ug/l	
75-35-4	1,1-Dichloroethylene	ND	10	5.4	ug/l	
563-58-6	1,1-Dichloropropene	ND	10	2.3	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	20	3.2	ug/l	
106-93-4	1,2-Dibromoethane	ND	10	2.8	ug/l	
107-06-2	1,2-Dichloroethane	18.8	10	3.4	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	2.1	ug/l	
142-28-9	1,3-Dichloropropane	ND	10	2.6	ug/l	
594-20-7	2,2-Dichloropropane	ND	10	2.8	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW81		
Lab Sample ID:	F62042-1	**Date Sampled:**	12/04/08
Matrix:	AQ - Ground Water	**Date Received:**	12/06/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	10	2.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	20	10	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	10	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.1	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	100	10	ug/l	
541-73-1	m-Dichlorobenzene	ND	10	2.3	ug/l	
95-50-1	o-Dichlorobenzene	ND	10	2.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	10	2.2	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	10	4.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	2.1	ug/l	
100-41-4	Ethylbenzene	920	10	4.3	ug/l	
97-63-2	Ethyl methacrylate	ND	50	10	ug/l	
76-13-1	Freon 113	ND	10	3.4	ug/l	
591-78-6	2-Hexanone	ND	100	50	ug/l	
87-68-3	Hexachlorobutadiene	ND	20	6.9	ug/l	
110-54-3	Hexane	81.1	20	5.0	ug/l	
98-82-8	Isopropylbenzene	1050 [b]	500	100	ug/l	
99-87-6	p-Isopropyltoluene	ND	10	3.2	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	50	20	ug/l	
126-98-7	Methacrylonitrile	ND	200	50	ug/l	
74-83-9	Methyl bromide	ND	20	7.8	ug/l	
74-87-3	Methyl chloride	ND	20	6.1	ug/l	
74-88-4	Methyl iodide	ND	50	10	ug/l	
80-62-6	Methyl methacrylate	ND	50	10	ug/l	
74-95-3	Methylene bromide	ND	20	3.0	ug/l	
75-09-2	Methylene chloride	ND	50	10	ug/l	
78-93-3	Methyl ethyl ketone	ND	50	20	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	2.6	ug/l	
91-20-3	Naphthalene	ND	50	10	ug/l	
76-01-7	Pentachloroethane	ND	100	20	ug/l	
107-12-0	Propionitrile	ND	200	100	ug/l	
103-65-1	n-Propylbenzene	46.0	10	2.5	ug/l	
100-42-5	Styrene	ND	10	3.6	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	10	2.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	3.3	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	2.1	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	2.6	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	10	5.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	20	3.4	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	10	5.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW81		
Lab Sample ID:	F62042-1	**Date Sampled:**	12/04/08
Matrix:	AQ - Ground Water	**Date Received:**	12/06/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	374	20	2.2	ug/l	
108-67-8	1,3,5-Trimethylbenzene	77.7	20	2.0	ug/l	
127-18-4	Tetrachloroethylene	ND	10	2.2	ug/l	
108-88-3	Toluene	1170 [b]	500	180	ug/l	
79-01-6	Trichloroethylene	ND	10	3.2	ug/l	
75-69-4	Trichlorofluoromethane	ND	20	5.0	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	100	20	ug/l	
75-01-4	Vinyl chloride	ND	10	3.0	ug/l	
108-05-4	Vinyl Acetate	ND	100	36	ug/l	
	m,p-Xylene	1880	20	7.8	ug/l	
95-47-6	o-Xylene	988 [b]	500	190	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%	109%	87-116%
17060-07-0	1,2-Dichloroethane-D4	108%	116%	76-127%
2037-26-5	Toluene-D8	98%	101%	86-112%
460-00-4	4-Bromofluorobenzene	102%	104%	84-120%

(a) CCV outside of control limits; results may be biased high.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW81		
Lab Sample ID:	F62042-1	**Date Sampled:**	12/04/08
Matrix:	AQ - Ground Water	**Date Received:**	12/06/08
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV033205.D	100	12/16/08	AH	n/a	n/a	GUV1907
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	41.5	10	5.0	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	103%		57-129%
98-08-8	aaa-Trifluorotoluene	98%		58-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW81		
Lab Sample ID:	F62042-1	**Date Sampled:**	12/04/08
Matrix:	AQ - Ground Water	**Date Received:**	12/06/08
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10584.D	5	12/17/08	NY	12/10/08	OP27397	GYY379
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22) [a]	2.48	1.2	0.48	mg/l	
	TPH (> C22-C36)	ND	1.2	0.48	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	95%		42-114%

(a) Petroleum hydrocarbon pattern begins before C10.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW16		
Lab Sample ID:	F62042-2	**Date Sampled:**	12/05/08
Matrix:	AQ - Ground Water	**Date Received:**	12/06/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J043619.D	1	12/18/08	KW	n/a	n/a	VJ2701
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	6.0	10	2.0	ug/l	J
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	0.55	1.0	0.40	ug/l	J
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	11.6	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	1.7	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW16		
Lab Sample ID:	F62042-2	**Date Sampled:**	12/05/08
Matrix:	AQ - Ground Water	**Date Received:**	12/06/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	0.25	1.0	0.23	ug/l	J
95-50-1	o-Dichlorobenzene	2.5	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.59	1.0	0.22	ug/l	J
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	0.29	1.0	0.20	ug/l	J
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW16		
Lab Sample ID:	F62042-2	**Date Sampled:**	12/05/08
Matrix:	AQ - Ground Water	**Date Received:**	12/06/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	ND	2.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		87-116%
17060-07-0	1,2-Dichloroethane-D4	93%		76-127%
2037-26-5	Toluene-D8	104%		86-112%
460-00-4	4-Bromofluorobenzene	102%		84-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW16		
Lab Sample ID:	F62042-2	**Date Sampled:**	12/05/08
Matrix:	AQ - Ground Water	**Date Received:**	12/06/08
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV033206.D	2	12/16/08	AH	n/a	n/a	GUV1907
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1.31	0.20	0.10	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%		57-129%
98-08-8	aaa-Trifluorotoluene	115%		58-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW16		
Lab Sample ID:	F62042-2	**Date Sampled:**	12/05/08
Matrix:	AQ - Ground Water	**Date Received:**	12/06/08
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10616.D	2	12/18/08	NY	12/10/08	OP27397	GYY380
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22) [a]	2.25	0.48	0.19	mg/l	
	TPH (> C22-C36)	0.213	0.48	0.19	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	81%		42-114%

(a) Petroleum hydrocarbon pattern begins before C10.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-MW16		
Lab Sample ID:	F62042-2	**Date Sampled:**	12/05/08
Matrix:	AQ - Ground Water	**Date Received:**	12/06/08
		Percent Solids:	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Solids, Total Dissolved	4540	100	10	mg/l	1	12/09/08 08:05	LE	SM19 2540C

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F62042-3	**Date Sampled:**	12/04/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/06/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F032610.D	1	12/11/08	SH	n/a	n/a	VF820
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F62042-3	**Date Sampled:**	12/04/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/06/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F62042-3	**Date Sampled:**	12/04/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/06/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	ND	2.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		87-116%
17060-07-0	1,2-Dichloroethane-D4	111%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	102%		84-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

Parameter Certification Exceptions

Job Number: F62042
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

The following parameters included in this report are exceptions to NELAC certification.
The certification status of each is indicated below.

Parameter	CAS#	Method	Mat	Certification Status
Freon 113	76-13-1	**SW846 8260B**	AQ	Certified by SOP MS005

F62042

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

Page 1 of 1

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number [1]: 12-05-2008-1

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Dustin McNeil

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)					Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
1	SS61-TMW81	SS61-TMW81	04-Dec-2008	1625	-	N	01	WG	6	X	X	X									1
2	SS61-MW16	SS61-MW16	05-Dec-2008	1020	-	N	01	WG	7	X	X	X	X								1
3	Trip Blank				-	TB		WQ	2	X											1
					-																
					-																
					-																
					-																
					-																
					-																
					-																

Sample Analysis Requested [5] | Quality Assurance Samples [6]

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time		Received by (signed)	Date	Time
1.		12/05/08	1400	1.			
2.		12/6/08	9:30	2.		12/6/08	9:30
3.				3.			

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: Shipped No.:

Method of Shipment: Airbill Number:

Analytical Lab: Accutest Laboratories Delivery Location:

Lab Recipient: Delivery Date/Time:

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

2.8

F62042: Chain of Custody

Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F62042 CLIENT: BHATE PROJECT: 55-61

DATE/TIME RECEIVED: 12/6/08 9:30 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.8

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8668 3471 8720

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [X] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOURS
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? _____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

SUMMARY OF COMMENTS: Only received 2 of each set of vials for each Sample (8260) (Bro)

TECHNICIAN SIGNATURE/DATE: 12/6/08 TECHNICIAN SIGNATURE/DATE: 12-6-08

ASBD 12/17/07

F62042: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F62042
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF820-MB	F032606.D	1	12/11/08	SH	n/a	n/a	VF820

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62042-1, F62042-3

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

Method Blank Summary

Job Number: F62042
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF820-MB	F032606.D	1	12/11/08	SH	n/a	n/a	VF820

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62042-1, F62042-3

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

Method Blank Summary

Job Number: F62042
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF820-MB	F032606.D	1	12/11/08	SH	n/a	n/a	VF820

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62042-1, F62042-3

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	ND	2.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	107%	87-116%
17060-07-0	1,2-Dichloroethane-D4	106%	76-127%
2037-26-5	Toluene-D8	101%	86-112%
460-00-4	4-Bromofluorobenzene	100%	84-120%

Method Blank Summary

Job Number: F62042
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2701-MB	J043613.D	1	12/18/08	KW	n/a	n/a	VJ2701

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62042-2

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

Method Blank Summary

Job Number: F62042
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2701-MB	J043613.D	1	12/18/08	KW	n/a	n/a	VJ2701

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62042-2

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	1.0	2.0	0.69	ug/l	J
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.82	1.0	0.50	ug/l	J
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	0.51	1.0	0.50	ug/l	J

Method Blank Summary

Job Number: F62042
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2701-MB	J043613.D	1	12/18/08	KW	n/a	n/a	VJ2701

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62042-2

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	ND	2.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	98%	76-127%
2037-26-5	Toluene-D8	108%	86-112%
460-00-4	4-Bromofluorobenzene	112%	84-120%

Blank Spike Summary

Job Number: F62042
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF820-BS	F032605.D	1	12/11/08	SH	n/a	n/a	VF820

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62042-1, F62042-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	175	140*	59-134
75-05-8	Acetonitrile	250	257	103	57-123
107-02-8	Acrolein	125	30.4	24*	33-157
107-13-1	Acrylonitrile	125	120	96	62-124
107-05-1	Allyl chloride	25	28.0	112	48-136
71-43-2	Benzene	25	26.1	104	83-124
100-44-7	Benzyl Chloride	25	24.2	97	61-118
108-86-1	Bromobenzene	25	24.9	100	83-115
74-97-5	Bromochloromethane	25	21.7	87	78-112
75-27-4	Bromodichloromethane	25	25.0	100	76-116
75-25-2	Bromoform	25	24.7	99	68-128
104-51-8	n-Butylbenzene	25	26.8	107	84-124
135-98-8	sec-Butylbenzene	25	26.3	105	86-127
98-06-6	tert-Butylbenzene	25	26.9	108	83-126
108-90-7	Chlorobenzene	25	24.7	99	87-115
75-00-3	Chloroethane	25	24.0	96	54-166
67-66-3	Chloroform	25	27.4	110	85-123
544-10-5	1-Chlorohexane	25	24.9	100	87-128
95-49-8	o-Chlorotoluene	25	27.0	108	84-121
106-43-4	p-Chlorotoluene	25	26.7	107	84-120
110-75-8	2-Chloroethyl vinyl ether	125	181	145*	63-125
75-15-0	Carbon disulfide	25	24.1	96	67-147
56-23-5	Carbon tetrachloride	25	28.5	114	74-139
75-34-3	1,1-Dichloroethane	25	26.5	106	82-127
75-35-4	1,1-Dichloroethylene	25	27.2	109	75-133
563-58-6	1,1-Dichloropropene	25	27.3	109	87-127
96-12-8	1,2-Dibromo-3-chloropropane	25	28.8	115	61-118
106-93-4	1,2-Dibromoethane	25	24.1	96	80-115
107-06-2	1,2-Dichloroethane	25	25.3	101	76-122
78-87-5	1,2-Dichloropropane	25	25.0	100	81-120
142-28-9	1,3-Dichloropropane	25	24.4	98	81-113
594-20-7	2,2-Dichloropropane	25	29.4	118	77-138
124-48-1	Dibromochloromethane	25	25.2	101	74-116
75-71-8	Dichlorodifluoromethane	25	20.6	82	34-158
156-59-2	cis-1,2-Dichloroethylene	25	25.0	100	81-114
10061-01-5	cis-1,3-Dichloropropene	25	26.6	106	83-119

Blank Spike Summary

Job Number: F62042
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF820-BS	F032605.D	1	12/11/08	SH	n/a	n/a	VF820

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62042-1, F62042-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	25	24.9	100	41-130
541-73-1	m-Dichlorobenzene	25	25.7	103	86-115
95-50-1	o-Dichlorobenzene	25	26.4	106	85-115
106-46-7	p-Dichlorobenzene	25	25.2	101	87-113
156-60-5	trans-1,2-Dichloroethylene	25	26.0	104	82-126
10061-02-6	trans-1,3-Dichloropropene	25	26.6	106	87-123
100-41-4	Ethylbenzene	25	26.3	105	87-118
97-63-2	Ethyl methacrylate	25	22.4	90	68-110
76-13-1	Freon 113	25	25.5	102	74-139
591-78-6	2-Hexanone	125	135	108	58-125
87-68-3	Hexachlorobutadiene	25	32.3	129	71-133
110-54-3	Hexane	25	26.4	106	71-134
98-82-8	Isopropylbenzene	25	26.0	104	87-131
99-87-6	p-Isopropyltoluene	25	26.1	104	83-125
108-10-1	4-Methyl-2-pentanone	125	124	99	62-125
126-98-7	Methacrylonitrile	250	253	101	62-133
74-83-9	Methyl bromide	25	25.1	100	55-151
74-87-3	Methyl chloride	25	26.8	107	55-173
74-88-4	Methyl iodide	25	21.9	88	72-125
80-62-6	Methyl methacrylate	25	26.6	106	63-115
74-95-3	Methylene bromide	25	25.5	102	81-116
75-09-2	Methylene chloride	25	27.2	109	69-125
78-93-3	Methyl ethyl ketone	125	169	135*	61-127
1634-04-4	Methyl Tert Butyl Ether	25	24.4	98	75-116
91-20-3	Naphthalene	25	27.9	112	59-125
76-01-7	Pentachloroethane	25	27.3	109	82-111
107-12-0	Propionitrile	250	241	96	69-119
103-65-1	n-Propylbenzene	25	27.1	108	86-125
100-42-5	Styrene	25	23.6	94	78-118
630-20-6	1,1,1,2-Tetrachloroethane	25	25.5	102	81-119
71-55-6	1,1,1-Trichloroethane	25	28.6	114	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	24.3	97	71-120
79-00-5	1,1,2-Trichloroethane	25	23.4	94	80-114
87-61-6	1,2,3-Trichlorobenzene	25	27.7	111	64-126
96-18-4	1,2,3-Trichloropropane	25	22.1	88	77-115
120-82-1	1,2,4-Trichlorobenzene	25	28.4	114	68-123

Blank Spike Summary

Job Number: F62042
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF820-BS	F032605.D	1	12/11/08	SH	n/a	n/a	VF820

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62042-1, F62042-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	25	25.9	104	82-120
108-67-8	1,3,5-Trimethylbenzene	25	25.7	103	83-123
127-18-4	Tetrachloroethylene	25	25.4	102	80-131
108-88-3	Toluene	25	25.5	102	86-116
79-01-6	Trichloroethylene	25	26.4	106	85-124
75-69-4	Trichlorofluoromethane	25	26.5	106	66-156
110-57-6	Trans-1,4-Dichloro-2-Butene	25	26.5	106	51-137
75-01-4	Vinyl chloride	25	26.0	104	57-153
108-05-4	Vinyl Acetate	125	161	129	38-159
	m,p-Xylene	50	54.5	109	86-121
95-47-6	o-Xylene	25	24.7	99	83-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	107%	76-127%
2037-26-5	Toluene-D8	97%	86-112%
460-00-4	4-Bromofluorobenzene	102%	84-120%

Blank Spike Summary

Job Number: F62042
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2701-BS	J043612.D	1	12/18/08	KW	n/a	n/a	VJ2701

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62042-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	86.1	69	59-134
75-05-8	Acetonitrile	250	222	89	57-123
107-02-8	Acrolein	125	92.3	74	33-157
107-13-1	Acrylonitrile	125	109	87	62-124
107-05-1	Allyl chloride	25	24.8	99	48-136
71-43-2	Benzene	25	27.3	109	83-124
100-44-7	Benzyl Chloride	25	19.3	77	61-118
108-86-1	Bromobenzene	25	26.2	105	83-115
74-97-5	Bromochloromethane	25	21.1	84	78-112
75-27-4	Bromodichloromethane	25	24.7	99	76-116
75-25-2	Bromoform	25	26.0	104	68-128
104-51-8	n-Butylbenzene	25	25.3	101	84-124
135-98-8	sec-Butylbenzene	25	26.8	107	86-127
98-06-6	tert-Butylbenzene	25	28.3	113	83-126
108-90-7	Chlorobenzene	25	27.2	109	87-115
75-00-3	Chloroethane	25	29.0	116	54-166
67-66-3	Chloroform	25	27.0	108	85-123
544-10-5	1-Chlorohexane	25	27.5	110	87-128
95-49-8	o-Chlorotoluene	25	26.6	106	84-121
106-43-4	p-Chlorotoluene	25	26.5	106	84-120
110-75-8	2-Chloroethyl vinyl ether	125	122	98	63-125
75-15-0	Carbon disulfide	25	23.1	92	67-147
56-23-5	Carbon tetrachloride	25	29.1	116	74-139
75-34-3	1,1-Dichloroethane	25	27.2	109	82-127
75-35-4	1,1-Dichloroethylene	25	27.6	110	75-133
563-58-6	1,1-Dichloropropene	25	26.9	108	87-127
96-12-8	1,2-Dibromo-3-chloropropane	25	25.6	102	61-118
106-93-4	1,2-Dibromoethane	25	26.8	107	80-115
107-06-2	1,2-Dichloroethane	25	25.5	102	76-122
78-87-5	1,2-Dichloropropane	25	25.2	101	81-120
142-28-9	1,3-Dichloropropane	25	25.4	102	81-113
594-20-7	2,2-Dichloropropane	25	29.2	117	77-138
124-48-1	Dibromochloromethane	25	26.1	104	74-116
75-71-8	Dichlorodifluoromethane	25	23.1	92	34-158
156-59-2	cis-1,2-Dichloroethylene	25	24.7	99	81-114
10061-01-5	cis-1,3-Dichloropropene	25	24.1	96	83-119

Blank Spike Summary

Job Number: F62042
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2701-BS	J043612.D	1	12/18/08	KW	n/a	n/a	VJ2701

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62042-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	25	23.5	94	41-130
541-73-1	m-Dichlorobenzene	25	25.6	102	86-115
95-50-1	o-Dichlorobenzene	25	24.3	97	85-115
106-46-7	p-Dichlorobenzene	25	26.6	106	87-113
156-60-5	trans-1,2-Dichloroethylene	25	28.7	115	82-126
10061-02-6	trans-1,3-Dichloropropene	25	29.4	118	87-123
100-41-4	Ethylbenzene	25	29.0	116	87-118
97-63-2	Ethyl methacrylate	25	23.7	95	68-110
76-13-1	Freon 113	25	22.6	90	74-139
591-78-6	2-Hexanone	125	89.6	72	58-125
87-68-3	Hexachlorobutadiene	25	28.3	113	71-133
110-54-3	Hexane	25	26.0	104	71-134
98-82-8	Isopropylbenzene	25	27.7	111	87-131
99-87-6	p-Isopropyltoluene	25	27.2	109	83-125
108-10-1	4-Methyl-2-pentanone	125	115	92	62-125
126-98-7	Methacrylonitrile	250	237	95	62-133
74-83-9	Methyl bromide	25	25.7	103	55-151
74-87-3	Methyl chloride	25	24.9	100	55-173
74-88-4	Methyl iodide	25	21.8	87	72-125
80-62-6	Methyl methacrylate	25	22.6	90	63-115
74-95-3	Methylene bromide	25	25.5	102	81-116
75-09-2	Methylene chloride	25	23.9	96	69-125
78-93-3	Methyl ethyl ketone	125	104	83	61-127
1634-04-4	Methyl Tert Butyl Ether	25	23.3	93	75-116
91-20-3	Naphthalene	25	23.1	92	59-125
76-01-7	Pentachloroethane	25	27.2	109	82-111
107-12-0	Propionitrile	250	234	94	69-119
103-65-1	n-Propylbenzene	25	25.8	103	86-125
100-42-5	Styrene	25	25.1	100	78-118
630-20-6	1,1,1,2-Tetrachloroethane	25	26.6	106	81-119
71-55-6	1,1,1-Trichloroethane	25	27.9	112	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	24.5	98	71-120
79-00-5	1,1,2-Trichloroethane	25	24.3	97	80-114
87-61-6	1,2,3-Trichlorobenzene	25	24.1	96	64-126
96-18-4	1,2,3-Trichloropropane	25	21.7	87	77-115
120-82-1	1,2,4-Trichlorobenzene	25	24.0	96	68-123

Blank Spike Summary

Job Number: F62042
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2701-BS	J043612.D	1	12/18/08	KW	n/a	n/a	VJ2701

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62042-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	25	25.8	103	82-120
108-67-8	1,3,5-Trimethylbenzene	25	27.2	109	83-123
127-18-4	Tetrachloroethylene	25	30.0	120	80-131
108-88-3	Toluene	25	28.7	115	86-116
79-01-6	Trichloroethylene	25	27.6	110	85-124
75-69-4	Trichlorofluoromethane	25	21.9	88	66-156
110-57-6	Trans-1,4-Dichloro-2-Butene	25	22.2	89	51-137
75-01-4	Vinyl chloride	25	27.4	110	57-153
108-05-4	Vinyl Acetate	125	135	108	38-159
	m,p-Xylene	50	52.7	105	86-121
95-47-6	o-Xylene	25	27.2	109	83-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	105%	76-127%
2037-26-5	Toluene-D8	106%	86-112%
460-00-4	4-Bromofluorobenzene	106%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62042
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61947-20MS	F032622.D	1	12/11/08	SH	n/a	n/a	VF820
F61947-20MSD	F032623.D	1	12/11/08	SH	n/a	n/a	VF820
F61947-20	F032621.D	1	12/11/08	SH	n/a	n/a	VF820

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62042-1, F62042-3

CAS No.	Compound	F61947-20 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	147	118	148	118	1	59-134/14
75-05-8	Acetonitrile	ND		250	230	92	218	87	5	57-123/15
107-02-8	Acrolein	ND		125	26.9	22*	11.6	9*	79*	33-157/21
107-13-1	Acrylonitrile	ND		125	117	94	113	90	3	62-124/13
107-05-1	Allyl chloride	ND		25	26.2	105	25.7	103	2	48-136/13
71-43-2	Benzene	11.6		25	39.3	111	38.0	106	3	83-124/11
100-44-7	Benzyl Chloride	ND		25	21.7	87	21.8	87	0	61-118/12
108-86-1	Bromobenzene	ND		25	23.8	95	24.0	96	1	83-115/10
74-97-5	Bromochloromethane	ND		25	21.7	87	21.6	86	0	78-112/10
75-27-4	Bromodichloromethane	ND		25	26.5	106	26.1	104	2	76-116/10
75-25-2	Bromoform	ND		25	24.8	99	23.9	96	4	68-128/11
104-51-8	n-Butylbenzene	ND		25	25.5	102	25.2	101	1	84-124/10
135-98-8	sec-Butylbenzene	ND		25	25.2	101	25.0	100	1	86-127/10
98-06-6	tert-Butylbenzene	ND		25	25.8	103	25.7	103	0	83-126/10
108-90-7	Chlorobenzene	ND		25	24.5	98	24.0	96	2	87-115/9
75-00-3	Chloroethane	ND		25	28.4	114	26.5	106	7	54-166/20
67-66-3	Chloroform	ND		25	28.9	116	28.1	112	3	85-123/10
544-10-5	1-Chlorohexane	ND		25	23.0	92	22.9	92	0	87-128/10
95-49-8	o-Chlorotoluene	ND		25	26.3	105	26.1	104	1	84-121/10
106-43-4	p-Chlorotoluene	ND		25	26.3	105	26.0	104	1	84-120/10
110-75-8	2-Chloroethyl vinyl ether	ND		125	ND	0*	ND	0*	nc	63-125/24
75-15-0	Carbon disulfide	ND		25	24.8	99	23.8	95	4	67-147/12
56-23-5	Carbon tetrachloride	ND		25	30.4	122	28.8	115	5	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	28.0	112	27.0	108	4	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	30.9	124	29.1	116	6	75-133/13
563-58-6	1,1-Dichloropropene	ND		25	26.7	107	26.4	106	1	87-127/10
96-12-8	1,2-Dibromo-3-chloropropane	ND		25	26.5	106	26.5	106	0	61-118/15
106-93-4	1,2-Dibromoethane	ND		25	22.7	91	22.8	91	0	80-115/10
107-06-2	1,2-Dichloroethane	ND		25	27.5	110	26.7	107	3	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	24.2	97	23.9	96	1	81-120/11
142-28-9	1,3-Dichloropropane	ND		25	23.0	92	22.7	91	1	81-113/11
594-20-7	2,2-Dichloropropane	ND		25	30.2	121	29.1	116	4	77-138/12
124-48-1	Dibromochloromethane	ND		25	25.0	100	24.9	100	0	74-116/11
75-71-8	Dichlorodifluoromethane	ND		25	20.6	82	21.0	84	2	34-158/22
156-59-2	cis-1,2-Dichloroethylene	ND		25	24.6	98	24.1	96	2	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	25.2	101	24.9	100	1	83-119/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62042
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61947-20MS	F032622.D	1	12/11/08	SH	n/a	n/a	VF820
F61947-20MSD	F032623.D	1	12/11/08	SH	n/a	n/a	VF820
F61947-20	F032621.D	1	12/11/08	SH	n/a	n/a	VF820

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62042-1, F62042-3

CAS No.	Compound	F61947-20 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		25	22.6	90	22.3	89	1	41-130/33
541-73-1	m-Dichlorobenzene	ND		25	24.5	98	24.4	98	0	86-115/9
95-50-1	o-Dichlorobenzene	ND		25	25.0	100	25.2	101	1	85-115/9
106-46-7	p-Dichlorobenzene	ND		25	24.3	97	24.2	97	0	87-113/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	26.7	107	26.0	104	3	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		25	25.9	104	25.8	103	0	87-123/10
100-41-4	Ethylbenzene	0.45	J	25	26.7	105	26.1	103	2	87-118/10
97-63-2	Ethyl methacrylate	ND		25	20.7	83	20.8	83	0	68-110/11
76-13-1	Freon 113	ND		25	29.5	118	26.2	105	12	74-139/13
591-78-6	2-Hexanone	ND		125	121	97	120	96	1	58-125/14
87-68-3	Hexachlorobutadiene	ND		25	28.5	114	28.2	113	1	71-133/12
110-54-3	Hexane	ND		25	26.9	108	25.4	102	6	71-134/11
98-82-8	Isopropylbenzene	ND		25	24.7	99	24.1	96	2	87-131/10
99-87-6	p-Isopropyltoluene	ND		25	25.3	101	25.3	101	0	83-125/9
108-10-1	4-Methyl-2-pentanone	ND		125	116	93	114	91	2	62-125/13
126-98-7	Methacrylonitrile	ND		250	251	100	244	98	3	62-133/17
74-83-9	Methyl bromide	ND		25	31.5	126	28.9	116	9	55-151/21
74-87-3	Methyl chloride	ND		25	25.3	101	25.8	103	2	55-173/22
74-88-4	Methyl iodide	ND		25	22.4	90	21.7	87	3	72-125/11
80-62-6	Methyl methacrylate	ND		25	23.7	95	24.3	97	3	63-115/10
74-95-3	Methylene bromide	ND		25	25.9	104	25.3	101	2	81-116/10
75-09-2	Methylene chloride	ND		25	27.0	108	26.1	104	3	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	129	103	124	99	4	61-127/13
1634-04-4	Methyl Tert Butyl Ether	ND		25	23.9	96	23.9	96	0	75-116/10
91-20-3	Naphthalene	ND		25	24.7	99	24.8	99	0	59-125/15
76-01-7	Pentachloroethane	ND		25	26.2	105	26.2	105	0	82-111/8
107-12-0	Propionitrile	ND		250	232	93	225	90	3	69-119/12
103-65-1	n-Propylbenzene	ND		25	26.4	106	25.6	102	3	86-125/10
100-42-5	Styrene	ND		25	23.3	93	22.9	92	2	78-118/11
630-20-6	1,1,1,2-Tetrachloroethane	ND		25	25.3	101	25.0	100	1	81-119/10
71-55-6	1,1,1-Trichloroethane	ND		25	30.1	120	28.7	115	5	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	23.3	93	22.7	91	3	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	22.9	92	22.5	90	2	80-114/11
87-61-6	1,2,3-Trichlorobenzene	ND		25	24.5	98	24.6	98	0	64-126/16
96-18-4	1,2,3-Trichloropropane	ND		25	21.5	86	21.5	86	0	77-115/12
120-82-1	1,2,4-Trichlorobenzene	ND		25	25.4	102	25.7	103	1	68-123/11

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62042
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F61947-20MS	F032622.D	1	12/11/08	SH	n/a	n/a	VF820
F61947-20MSD	F032623.D	1	12/11/08	SH	n/a	n/a	VF820
F61947-20	F032621.D	1	12/11/08	SH	n/a	n/a	VF820

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62042-1, F62042-3

CAS No.	Compound	F61947-20 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		25	25.6	102	25.5	102	0	82-120/10
108-67-8	1,3,5-Trimethylbenzene	ND		25	24.7	99	24.3	97	2	83-123/10
127-18-4	Tetrachloroethylene	ND		25	23.8	95	23.2	93	3	80-131/12
108-88-3	Toluene	ND		25	24.7	99	24.1	96	2	86-116/10
79-01-6	Trichloroethylene	ND		25	26.6	106	26.3	105	1	85-124/10
75-69-4	Trichlorofluoromethane	ND		25	31.9	128	29.2	117	9	66-156/15
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		25	24.3	97	24.2	97	0	51-137/24
75-01-4	Vinyl chloride	ND		25	26.6	106	27.3	109	3	57-153/22
108-05-4	Vinyl Acetate	ND		125	161	129	156	125	3	38-159/11
	m,p-Xylene	ND		50	54.7	109	53.5	107	2	86-121/10
95-47-6	o-Xylene	ND		25	24.0	96	23.8	95	1	83-121/10

CAS No.	Surrogate Recoveries	MS	MSD	F61947-20	Limits
1868-53-7	Dibromofluoromethane	111%	109%	110%	87-116%
17060-07-0	1,2-Dichloroethane-D4	116%	115%	115%	76-127%
2037-26-5	Toluene-D8	96%	95%	101%	86-112%
460-00-4	4-Bromofluorobenzene	100%	101%	105%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62042
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62213-4MS	J043621.D	20	12/18/08	KW	n/a	n/a	VJ2701
F62213-4MSD	J043622.D	20	12/18/08	KW	n/a	n/a	VJ2701
F62213-4 [a]	J043620.D	20	12/18/08	KW	n/a	n/a	VJ2701

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62042-2

CAS No.	Compound	F62213-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	901		2500	2410	60	2370	59	2	59-134/14
75-05-8	Acetonitrile	ND		5000	3290	66	3480	70	6	57-123/15
107-02-8	Acrolein	3600		2500	4420	33	4310	28*	3	33-157/21
107-13-1	Acrylonitrile	860		2500	2770	76	2690	73	3	62-124/13
107-05-1	Allyl chloride	ND		500	185	37*	202	40*	9	48-136/13
71-43-2	Benzene	ND		500	522	104	528	106	1	83-124/11
100-44-7	Benzyl Chloride	ND		500	332	66	351	70	6	61-118/12
108-86-1	Bromobenzene	ND		500	495	99	517	103	4	83-115/10
74-97-5	Bromochloromethane	ND		500	430	86	445	89	3	78-112/10
75-27-4	Bromodichloromethane	ND		500	477	95	492	98	3	76-116/10
75-25-2	Bromoform	ND		500	492	98	510	102	4	68-128/11
104-51-8	n-Butylbenzene	233		500	635	80*	615	76*	3	84-124/10
135-98-8	sec-Butylbenzene	149		500	565	83*	557	82*	1	86-127/10
98-06-6	tert-Butylbenzene	ND		500	506	101	516	103	2	83-126/10
108-90-7	Chlorobenzene	ND		500	525	105	552	110	5	87-115/9
75-00-3	Chloroethane	ND		500	506	101	484	97	4	54-166/20
67-66-3	Chloroform	ND		500	669	134*	680	136*	2	85-123/10
544-10-5	1-Chlorohexane	ND		500	472	94	492	98	4	87-128/10
95-49-8	o-Chlorotoluene	ND		500	886	177*	865	173*	2	84-121/10
106-43-4	p-Chlorotoluene	ND		500	492	98	506	101	3	84-120/10
110-75-8	2-Chloroethyl vinyl ether	ND		2500	233	9*	160	6*	37*	63-125/24
75-15-0	Carbon disulfide	ND		500	445	89	450	90	1	67-147/12
56-23-5	Carbon tetrachloride	ND		500	494	99	523	105	6	74-139/13
75-34-3	1,1-Dichloroethane	ND		500	544	109	555	111	2	82-127/10
75-35-4	1,1-Dichloroethylene	ND		500	536	107	528	106	2	75-133/13
563-58-6	1,1-Dichloropropene	ND		500	529	106	536	107	1	87-127/10
96-12-8	1,2-Dibromo-3-chloropropane	ND		500	568	114	576	115	1	61-118/15
106-93-4	1,2-Dibromoethane	ND		500	583	117*	591	118*	1	80-115/10
107-06-2	1,2-Dichloroethane	ND		500	500	100	494	99	1	76-122/11
78-87-5	1,2-Dichloropropane	ND		500	548	110	535	107	2	81-120/11
142-28-9	1,3-Dichloropropane	ND		500	533	107	549	110	3	81-113/11
594-20-7	2,2-Dichloropropane	ND		500	633	127	658	132	4	77-138/12
124-48-1	Dibromochloromethane	ND		500	523	105	567	113	8	74-116/11
75-71-8	Dichlorodifluoromethane	ND		500	414	83	411	82	1	34-158/22
156-59-2	cis-1,2-Dichloroethylene	ND		500	496	99	522	104	5	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		500	462	92	456	91	1	83-119/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62042
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62213-4MS	J043621.D	20	12/18/08	KW	n/a	n/a	VJ2701
F62213-4MSD	J043622.D	20	12/18/08	KW	n/a	n/a	VJ2701
F62213-4 [a]	J043620.D	20	12/18/08	KW	n/a	n/a	VJ2701

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62042-2

CAS No.	Compound	F62213-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		500	576	115	426	85	30	41-130/33
541-73-1	m-Dichlorobenzene	ND		500	434	87	450	90	4	86-115/9
95-50-1	o-Dichlorobenzene	ND		500	433	87	444	89	3	85-115/9
106-46-7	p-Dichlorobenzene	ND		500	491	98	496	99	1	87-113/10
156-60-5	trans-1,2-Dichloroethylene	ND		500	573	115	579	116	1	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		500	570	114	582	116	2	87-123/10
100-41-4	Ethylbenzene	1380		500	1870	98	1790	82* [b]	4	87-118/10
97-63-2	Ethyl methacrylate	189		500	776	117*	746	111*	4	68-110/11
76-13-1	Freon 113	ND		500	416	83	428	86	3	74-139/13
591-78-6	2-Hexanone	ND		2500	1760	70	1690	68	4	58-125/14
87-68-3	Hexachlorobutadiene	ND		500	352	70*	366	73	4	71-133/12
110-54-3	Hexane	3230	E	500	4870	328* [b]	4130	180* [b]	16*	71-134/11
98-82-8	Isopropylbenzene	525		500	1050	105	1050	105	0	87-131/10
99-87-6	p-Isopropyltoluene	222		500	652	86	661	88	1	83-125/9
108-10-1	4-Methyl-2-pentanone	678		2500	3040	94	2610	77	15*	62-125/13
126-98-7	Methacrylonitrile	ND		5000	3640	73	3480	70	4	62-133/17
74-83-9	Methyl bromide	ND		500	461	92	463	93	0	55-151/21
74-87-3	Methyl chloride	ND		500	508	102	479	96	6	55-173/22
74-88-4	Methyl iodide	ND		500	421	84	440	88	4	72-125/11
80-62-6	Methyl methacrylate	ND		500	615	123*	581	116*	6	63-115/10
74-95-3	Methylene bromide	ND		500	521	104	533	107	2	81-116/10
75-09-2	Methylene chloride	ND		500	437	87	428	86	2	69-125/11
78-93-3	Methyl ethyl ketone	ND		2500	2640	106	2370	95	11	61-127/13
1634-04-4	Methyl Tert Butyl Ether	ND		500	466	93	491	98	5	75-116/10
91-20-3	Naphthalene	1250		500	1720	94	1650	80	4	59-125/15
76-01-7	Pentachloroethane	ND		500	475	95	501	100	5	82-111/8
107-12-0	Propionitrile	ND		5000	3750	75	4030	81	7	69-119/12
103-65-1	n-Propylbenzene	1110		500	1580	94	1480	74* [b]	7	86-125/10
100-42-5	Styrene	ND		500	487	97	512	102	5	78-118/11
630-20-6	1,1,1,2-Tetrachloroethane	ND		500	521	104	569	114	9	81-119/10
71-55-6	1,1,1-Trichloroethane	ND		500	565	113	595	119	5	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		500	559	112	526	105	6	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		500	476	95	2170	434*	128*	80-114/11
87-61-6	1,2,3-Trichlorobenzene	ND		500	422	84	424	85	0	64-126/16
96-18-4	1,2,3-Trichloropropane	ND		500	503	101	498	100	1	77-115/12
120-82-1	1,2,4-Trichlorobenzene	ND		500	394	79	397	79	1	68-123/11

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62042
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62213-4MS	J043621.D	20	12/18/08	KW	n/a	n/a	VJ2701
F62213-4MSD	J043622.D	20	12/18/08	KW	n/a	n/a	VJ2701
F62213-4 [a]	J043620.D	20	12/18/08	KW	n/a	n/a	VJ2701

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62042-2

CAS No.	Compound	F62213-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	7750	E	500	1450	-1260* [b]	1380	-1274* [b]	5	82-120/10
108-67-8	1,3,5-Trimethylbenzene	3210	E	500	3470	52* [b]	3180	-6* [b]	9	83-123/10
127-18-4	Tetrachloroethylene	ND		500	524	105	563	113	7	80-131/12
108-88-3	Toluene	59.3		500	625	113	648	118*	4	86-116/10
79-01-6	Trichloroethylene	ND		500	619	124	610	122	1	85-124/10
75-69-4	Trichlorofluoromethane	ND		500	421	84	373	75	12	66-156/15
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		500	211	42*	200	40*	5	51-137/24
75-01-4	Vinyl chloride	ND		500	491	98	489	98	0	57-153/22
108-05-4	Vinyl Acetate	ND		2500	2280	91	2220	89	3	38-159/11
	m,p-Xylene	5820	E	1000	5570	-25* [b]	4820	-100* [b]	14*	86-121/10
95-47-6	o-Xylene	147		500	693	109	701	111	1	83-121/10

CAS No.	Surrogate Recoveries	MS	MSD	F62213-4	Limits
1868-53-7	Dibromofluoromethane	97%	97%	90%	87-116%
17060-07-0	1,2-Dichloroethane-D4	108%	106%	98%	76-127%
2037-26-5	Toluene-D8	109%	109%	103%	86-112%
460-00-4	4-Bromofluorobenzene	117%	115%	101%	84-120%

(a) Results from different vials are not consistent; higher results were reported.
(b) Outside control limits due to high level in sample relative to spike amount.

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F62042
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV1907-MB	UV033204.D	1	12/16/08	AH	n/a	n/a	GUV1907

The QC reported here applies to the following samples: **Method:** SW846 8015

F62042-1, F62042-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	87%	57-129%
98-08-8	aaa-Trifluorotoluene	94%	58-120%

Blank Spike Summary

Job Number: F62042
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV1907-BS	UV033203.D	1	12/16/08	AH	n/a	n/a	GUV1907

The QC reported here applies to the following samples: **Method:** SW846 8015

F62042-1, F62042-2

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	0.4	0.378	95	75-129

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	101%	57-129%
98-08-8	aaa-Trifluorotoluene	94%	58-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62042
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62044-1MS	UV033217.D	1	12/16/08	AH	n/a	n/a	GUV1907
F62044-1MSD	UV033218.D	1	12/16/08	AH	n/a	n/a	GUV1907
F62044-1	UV033207.D	1	12/16/08	AH	n/a	n/a	GUV1907

The QC reported here applies to the following samples: **Method:** SW846 8015

F62042-1, F62042-2

CAS No.	Compound	F62044-1 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		0.4	0.410	103	0.392	98	4	75-129/13

CAS No.	Surrogate Recoveries	MS	MSD	F62044-1	Limits
460-00-4	4-Bromofluorobenzene	96%	87%	107%	57-129%
98-08-8	aaa-Trifluorotoluene	98%	82%	97%	58-120%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F62042
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27397-MB	YY10582.D	1	12/17/08	NY	12/10/08	OP27397	GYY379

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62042-1, F62042-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.25	0.10	mg/l	
	TPH (> C22-C36)	ND	0.25	0.10	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	81%	42-114%

Method Blank Summary

Job Number: F62042
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27397-MB	YY10613.D	1	12/18/08	NY	12/10/08	OP27397	GYY380

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62042-1, F62042-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.25	0.10	mg/l	
	TPH (> C22-C36)	ND	0.25	0.10	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	95%	42-114%

Blank Spike Summary

Job Number: F62042
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27397-BS	YY10581.D	1	12/17/08	NY	12/10/08	OP27397	GYY379

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62042-1, F62042-2

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH (C10-C22)	1	0.929	93	60-140
	TPH (> C22-C36)	1	0.902	90	60-140

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	85%	42-114%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62042
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27397-MS	YY10605.D	1	12/18/08	NY	12/10/08	OP27397	GYY379
OP27397-MSD	YY10606.D	1	12/18/08	NY	12/10/08	OP27397	GYY379
F62086-1	YY10604.D	1	12/18/08	NY	12/10/08	OP27397	GYY379

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62042-1, F62042-2

CAS No.	Compound	F62086-1 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	0.123	J	1.92	2.06	101	1.99	97	3	60-140/30
	TPH (> C22-C36)	0.219	J	1.92	2.09	97	2.13	99	2	60-140/30

CAS No.	Surrogate Recoveries	MS	MSD	F62086-1	Limits
84-15-1	o-Terphenyl	92%	90%	95%	42-114%

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: F62042
Account: NWIDIF - North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Solids, Total Dissolved	GN33085	100	<100	mg/l				

Associated Samples:
Batch GN33085: F62042-2
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: F62042
Account: NWIDIF - North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Solids, Total Dissolved	GN33085	F61994-1	mg/l	3990	4000	0.2	0-5%

Associated Samples:
Batch GN33085: F62042-2
(*) Outside of QC limits

Technical Report for

North Wind, Inc

Holloman AFB; SS61 (Spill Site 61)

NWI-5029S.01

Accutest Job Number: F62067

Sampling Date: 12/08/08

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **45**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.

Test results relate only to samples analyzed.

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Sections: 1 2 3 4 5 6 7

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **5**
3.1: F62067-1: SS61-TMW85 6
3.2: F62067-2: TRIP BLANK 11
Section 4: Misc. Forms **14**
4.1: Certification Exceptions 15
4.2: Chain of Custody 16
Section 5: GC/MS Volatiles - QC Data Summaries **18**
5.1: Method Blank Summary 19
5.2: Blank Spike Summary 25
5.3: Matrix Spike/Matrix Spike Duplicate Summary 31
Section 6: GC Volatiles - QC Data Summaries **37**
6.1: Method Blank Summary 38
6.2: Blank Spike Summary 39
6.3: Matrix Spike/Matrix Spike Duplicate Summary 40
Section 7: GC Semi-volatiles - QC Data Summaries **41**
7.1: Method Blank Summary 42
7.2: Blank Spike Summary 44
7.3: Matrix Spike/Matrix Spike Duplicate Summary 45

Sample Summary

North Wind, Inc

Job No: F62067

Holloman AFB; SS61 (Spill Site 61)
Project No: NWI-5029S.01

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F62067-1	12/08/08	09:05	DM	12/09/08	AQ	Ground Water	SS61-TMW85
F62067-2	12/08/08	00:00	DM	12/09/08	AQ	Trip Blank Water	TRIP BLANK

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: North Wind, Inc **Job No:** F62067

Site: Holloman AFB; SS61 (Spill Site 61) **Report Date** 12/26/2008 1:48:28

1 Sample, 1 Trip Blank were collected on 12/08/2008 and received at Accutest on 12/09/2008 properly preserved, at 2 Deg. C and intact. These Samples received an Accutest job number of F62067. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VJ2705

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for Acrolein are outside control limits.

F62067-1 for Methylene chloride: Suspected laboratory contaminant.

Matrix: AQ **Batch ID:** VJ2707

Sample(s) F62135-3MS, F62135-3MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

The following samples were run outside of holding time for method SW846 8260B: F62067-2

Blank Spike Recovery(s) for Acrolein are outside control limits.

Matrix Spike Recovery(s) for 2-Chloroethyl vinyl ether, Acetonitrile, Acrolein, Ethylbenzene, Toluene are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 2-Chloroethyl vinyl ether, Acrolein, Ethylbenzene, Toluene are outside control limits. Probable cause due to matrix interference.

RPD(s) for MSD for Acrolein are outside control limits for sample F62135-3MSD. Probable cause due to sample homogeneity.

Volatiles by GC By Method SW846 8015

Matrix: AQ **Batch ID:** GCD3639

All samples were analyzed within the recommended method holding time.

Sample(s) F62084-2MS, F62084-2MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

F62067-1: Sample was not preserved to a pH < 2; reported results are considered minimum values.

Extractables by GC By Method SW846 8015 M

Matrix: AQ **Batch ID:** OP27397

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F62086-1MS, F62086-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

F62067-1 for TPH (C10-C22): Petroleum hydrocarbon pattern begins before C10.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____

Svetlana Izosimova, QAO (signature on file)

Date: December 26, 2008

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-TMW85		
Lab Sample ID:	F62067-1	**Date Sampled:**	12/08/08
Matrix:	AQ - Ground Water	**Date Received:**	12/09/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J043681.D	500	12/20/08	JG	n/a	n/a	VJ2705
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	13000	5000	ug/l	
75-05-8	Acetonitrile	ND	10000	2500	ug/l	
107-02-8	Acrolein	ND	10000	2500	ug/l	
107-13-1	Acrylonitrile	ND	5000	1000	ug/l	
107-05-1	Allyl chloride	ND	5000	1000	ug/l	
71-43-2	Benzene	19300	500	200	ug/l	
100-44-7	Benzyl Chloride	ND	1000	180	ug/l	
108-86-1	Bromobenzene	ND	500	130	ug/l	
74-97-5	Bromochloromethane	ND	500	120	ug/l	
75-27-4	Bromodichloromethane	ND	500	100	ug/l	
75-25-2	Bromoform	ND	500	170	ug/l	
104-51-8	n-Butylbenzene	ND	500	140	ug/l	
135-98-8	sec-Butylbenzene	ND	500	130	ug/l	
98-06-6	tert-Butylbenzene	ND	500	160	ug/l	
108-90-7	Chlorobenzene	ND	500	110	ug/l	
75-00-3	Chloroethane	ND	1000	240	ug/l	
67-66-3	Chloroform	ND	500	140	ug/l	
544-10-5	1-Chlorohexane	ND	1000	140	ug/l	
95-49-8	o-Chlorotoluene	ND	500	130	ug/l	
106-43-4	p-Chlorotoluene	ND	500	110	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	2500	500	ug/l	
75-15-0	Carbon disulfide	ND	1000	200	ug/l	
56-23-5	Carbon tetrachloride	ND	500	110	ug/l	
75-34-3	1,1-Dichloroethane	ND	500	120	ug/l	
75-35-4	1,1-Dichloroethylene	ND	500	270	ug/l	
563-58-6	1,1-Dichloropropene	ND	500	120	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1000	160	ug/l	
106-93-4	1,2-Dibromoethane	ND	500	140	ug/l	
107-06-2	1,2-Dichloroethane	ND	500	170	ug/l	
78-87-5	1,2-Dichloropropane	ND	500	110	ug/l	
142-28-9	1,3-Dichloropropane	ND	500	130	ug/l	
594-20-7	2,2-Dichloropropane	ND	500	140	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW85		
Lab Sample ID:	F62067-1	**Date Sampled:**	12/08/08
Matrix:	AQ - Ground Water	**Date Received:**	12/09/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	500	100	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1000	500	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	500	100	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	500	110	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	5000	500	ug/l	
541-73-1	m-Dichlorobenzene	ND	500	120	ug/l	
95-50-1	o-Dichlorobenzene	ND	500	100	ug/l	
106-46-7	p-Dichlorobenzene	ND	500	110	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	500	230	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	500	110	ug/l	
100-41-4	Ethylbenzene	1080	500	220	ug/l	
97-63-2	Ethyl methacrylate	ND	2500	500	ug/l	
76-13-1	Freon 113	ND	500	170	ug/l	
591-78-6	2-Hexanone	ND	5000	2500	ug/l	
87-68-3	Hexachlorobutadiene	ND	1000	350	ug/l	
110-54-3	Hexane	ND	1000	250	ug/l	
98-82-8	Isopropylbenzene	2520	500	100	ug/l	
99-87-6	p-Isopropyltoluene	ND	500	160	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2500	1000	ug/l	
126-98-7	Methacrylonitrile	ND	10000	2500	ug/l	
74-83-9	Methyl bromide	ND	1000	390	ug/l	
74-87-3	Methyl chloride	ND	1000	310	ug/l	
74-88-4	Methyl iodide	ND	2500	500	ug/l	
80-62-6	Methyl methacrylate	ND	2500	500	ug/l	
74-95-3	Methylene bromide	ND	1000	150	ug/l	
75-09-2	Methylene chloride [a]	2850	2500	500	ug/l	
78-93-3	Methyl ethyl ketone	ND	2500	1000	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	500	130	ug/l	
91-20-3	Naphthalene	ND	2500	500	ug/l	
76-01-7	Pentachloroethane	ND	5000	1000	ug/l	
107-12-0	Propionitrile	ND	10000	5000	ug/l	
103-65-1	n-Propylbenzene	ND	500	130	ug/l	
100-42-5	Styrene	ND	500	180	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	500	100	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	500	170	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	500	110	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	500	130	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	500	250	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	1000	170	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	500	250	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW85		
Lab Sample ID:	F62067-1	**Date Sampled:**	12/08/08
Matrix:	AQ - Ground Water	**Date Received:**	12/09/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	1000	110	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	1000	100	ug/l	
127-18-4	Tetrachloroethylene	ND	500	110	ug/l	
108-88-3	Toluene	ND	500	180	ug/l	
79-01-6	Trichloroethylene	ND	500	160	ug/l	
75-69-4	Trichlorofluoromethane	ND	1000	250	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	5000	1000	ug/l	
75-01-4	Vinyl chloride	ND	500	150	ug/l	
108-05-4	Vinyl Acetate	ND	5000	1800	ug/l	
	m,p-Xylene	ND	1000	390	ug/l	
95-47-6	o-Xylene	ND	500	190	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		87-116%
17060-07-0	1,2-Dichloroethane-D4	94%		76-127%
2037-26-5	Toluene-D8	104%		86-112%
460-00-4	4-Bromofluorobenzene	104%		84-120%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW85		
Lab Sample ID:	F62067-1	**Date Sampled:**	12/08/08
Matrix:	AQ - Ground Water	**Date Received:**	12/09/08
Method:	SW846 8015	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CD086526.D	100	12/19/08	JG	n/a	n/a	GCD3639
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	44.4	10	5.0	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		57-129%
98-08-8	aaa-Trifluorotoluene	92%		58-120%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-TMW85		
Lab Sample ID:	F62067-1	**Date Sampled:**	12/08/08
Matrix:	AQ - Ground Water	**Date Received:**	12/09/08
Method:	SW846 8015 M SW846 3510C	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YY10614.D	1	12/18/08	NY	12/10/08	OP27397	GYY380
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22) [a]	1.42	0.24	0.095	mg/l	
	TPH (> C22-C36)	0.163	0.24	0.095	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	93%		42-114%

(a) Petroleum hydrocarbon pattern begins before C10.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F62067-2	**Date Sampled:**	12/08/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/09/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J043712.D	1	12/22/08	JG	n/a	n/a	VJ2707
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F62067-2	**Date Sampled:**	12/08/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/09/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F62067-2	**Date Sampled:**	12/08/08
Matrix:	AQ - Trip Blank Water	**Date Received:**	12/09/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Holloman AFB; SS61 (Spill Site 61)		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	ND	2.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		87-116%
17060-07-0	1,2-Dichloroethane-D4	93%		76-127%
2037-26-5	Toluene-D8	104%		86-112%
460-00-4	4-Bromofluorobenzene	110%		84-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

Parameter Certification Exceptions

Job Number: F62067
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

The following parameters included in this report are exceptions to NELAC certification.
The certification status of each is indicated below.

Parameter	CAS#	Method	Mat	Certification Status
Freon 113	76-13-1	**SW846 8260B**	AQ	Certified by SOP MS005

F62067

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

Page 1 of 1

NorthWind Project Number: NWI-5029S.01

PO#:

Chain of Custody Number [1]: 12-08-2008-1

LIMS Number:

Facility/Base I.D.: Holloman Air Force Base

Project Name / Site Name: SS-61 (Spill Site 61)

Client Name: USACE-Omaha District

Collected by: Dustin McNeil

	Field Sample ID (30 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOCs (8260B)	TPH - GRO (8015B)	TPH - DRO/ORO (8015B)	TDS (160.1)					Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
									Sample Analysis Requested [5]									Quality Assurance Samples [6]			
1	SS61-TMW85	SS61-TMW85	08-Dec-2008	0905	-	N	01	WG	6	X	X	X									1
2	Trip Blank				-	TB		WQ	2	X											1
					-																
					-																
					-																
					-																
					-																
					-																
					-																
					-																
					-																

COMMENTS: Samples to be delivered to Accutest Laboratories of Orlando, Florida. Standard TAT is required. Please email preliminary results to Marcia Olive (molive@bhate.com) and Michelle Klingler (mklingler@northwind-inc.com).

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time		Received by (signed)	Date	Time
1.	[signature]	12/08/08	1400	1.	FX		
2.	FX	12/9/08	9:30	2.	[signature]	12/9/08	9:36
3.				3.			

Sample Delivery Details / Laboratory Receipt

Delivered Directly to Lab: Shipped No.:

Method of Shipment: Airbill Number:

Analytical Lab: Accutest Laboratories Delivery Location:

Lab Recipient: Delivery Date/Time:

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g: Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

7 / \

4.2 4

F62067: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FC2067 CLIENT: BHATE PROJECT: SS-61

DATE/TIME RECEIVED: 12/4/08 9:30 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.0

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8683 0096 6089

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [X] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ?

NUMBER OF 5035 FIELD KITS ?

NUMBER OF LAB FILTERED METALS ?

SUMMARY OF COMMENTS: Only received two of each vials (8260) (602)

TECHNICIAN SIGNATURE/DATE 12/4/08 TECHNICIAN SIGNATURE/DATE JC 12-9-08 ASBD 12/17/07

F62067: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F62067
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2705-MB	J043679.D	1	12/20/08	JG	n/a	n/a	VJ2705

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62067-1

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

Method Blank Summary

Job Number: F62067
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2705-MB	J043679.D	1	12/20/08	JG	n/a	n/a	VJ2705

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62067-1

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	2.0	5.0	1.0	ug/l	J
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.75	1.0	0.50	ug/l	J
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

Method Blank Summary

Job Number: F62067
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2705-MB	J043679.D	1	12/20/08	JG	n/a	n/a	VJ2705

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62067-1

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	ND	2.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	93%	76-127%
2037-26-5	Toluene-D8	106%	86-112%
460-00-4	4-Bromofluorobenzene	108%	84-120%

Method Blank Summary

Job Number: F62067
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2707-MB	J043708.D	1	12/22/08	JG	n/a	n/a	VJ2707

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62067-2

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
75-05-8	Acetonitrile	ND	20	5.0	ug/l	
107-02-8	Acrolein	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
107-05-1	Allyl chloride	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
100-44-7	Benzyl Chloride	ND	2.0	0.36	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
544-10-5	1-Chlorohexane	ND	2.0	0.27	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	

Method Blank Summary

Job Number: F62067
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2707-MB	J043708.D	1	12/22/08	JG	n/a	n/a	VJ2707

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62067-2

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	10	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
97-63-2	Ethyl methacrylate	ND	5.0	1.0	ug/l	
76-13-1	Freon 113	ND	1.0	0.34	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	0.94	2.0	0.69	ug/l	J
110-54-3	Hexane	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
126-98-7	Methacrylonitrile	ND	20	5.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-88-4	Methyl iodide	ND	5.0	1.0	ug/l	
80-62-6	Methyl methacrylate	ND	5.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	1.3	5.0	1.0	ug/l	J
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
76-01-7	Pentachloroethane	ND	10	2.0	ug/l	
107-12-0	Propionitrile	ND	20	10	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.55	1.0	0.50	ug/l	J
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	

Method Blank Summary

Job Number: F62067
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2707-MB	J043708.D	1	12/22/08	JG	n/a	n/a	VJ2707

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62067-2

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	ND	2.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	97%	76-127%
2037-26-5	Toluene-D8	106%	86-112%
460-00-4	4-Bromofluorobenzene	109%	84-120%

Blank Spike Summary

Job Number: F62067
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2705-BS	J043680.D	1	12/20/08	JG	n/a	n/a	VJ2705

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62067-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	93.0	74	59-134
75-05-8	Acetonitrile	250	215	86	57-123
107-02-8	Acrolein	125	18.4	15*	33-157
107-13-1	Acrylonitrile	125	128	102	62-124
107-05-1	Allyl chloride	25	22.9	92	48-136
71-43-2	Benzene	25	27.3	109	83-124
100-44-7	Benzyl Chloride	25	18.6	74	61-118
108-86-1	Bromobenzene	25	25.7	103	83-115
74-97-5	Bromochloromethane	25	21.7	87	78-112
75-27-4	Bromodichloromethane	25	23.6	94	76-116
75-25-2	Bromoform	25	25.1	100	68-128
104-51-8	n-Butylbenzene	25	23.3	93	84-124
135-98-8	sec-Butylbenzene	25	24.8	99	86-127
98-06-6	tert-Butylbenzene	25	25.6	102	83-126
108-90-7	Chlorobenzene	25	26.5	106	87-115
75-00-3	Chloroethane	25	24.7	99	54-166
67-66-3	Chloroform	25	25.7	103	85-123
544-10-5	1-Chlorohexane	25	24.7	99	87-128
95-49-8	o-Chlorotoluene	25	24.4	98	84-121
106-43-4	p-Chlorotoluene	25	24.7	99	84-120
110-75-8	2-Chloroethyl vinyl ether	125	124	99	63-125
75-15-0	Carbon disulfide	25	22.6	90	67-147
56-23-5	Carbon tetrachloride	25	27.0	108	74-139
75-34-3	1,1-Dichloroethane	25	26.6	106	82-127
75-35-4	1,1-Dichloroethylene	25	26.6	106	75-133
563-58-6	1,1-Dichloropropene	25	25.2	101	87-127
96-12-8	1,2-Dibromo-3-chloropropane	25	23.7	95	61-118
106-93-4	1,2-Dibromoethane	25	26.3	105	80-115
107-06-2	1,2-Dichloroethane	25	24.5	98	76-122
78-87-5	1,2-Dichloropropane	25	25.5	102	81-120
142-28-9	1,3-Dichloropropane	25	25.0	100	81-113
594-20-7	2,2-Dichloropropane	25	26.4	106	77-138
124-48-1	Dibromochloromethane	25	25.6	102	74-116
75-71-8	Dichlorodifluoromethane	25	16.8	67	34-158
156-59-2	cis-1,2-Dichloroethylene	25	23.9	96	81-114
10061-01-5	cis-1,3-Dichloropropene	25	24.1	96	83-119

Blank Spike Summary

Job Number: F62067
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2705-BS	J043680.D	1	12/20/08	JG	n/a	n/a	VJ2705

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62067-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	25	20.4	82	41-130
541-73-1	m-Dichlorobenzene	25	23.7	95	86-115
95-50-1	o-Dichlorobenzene	25	23.0	92	85-115
106-46-7	p-Dichlorobenzene	25	26.2	105	87-113
156-60-5	trans-1,2-Dichloroethylene	25	27.2	109	82-126
10061-02-6	trans-1,3-Dichloropropene	25	28.3	113	87-123
100-41-4	Ethylbenzene	25	27.7	111	87-118
97-63-2	Ethyl methacrylate	25	22.7	91	68-110
76-13-1	Freon 113	25	24.0	96	74-139
591-78-6	2-Hexanone	125	89.7	72	58-125
87-68-3	Hexachlorobutadiene	25	23.8	95	71-133
110-54-3	Hexane	25	24.6	98	71-134
98-82-8	Isopropylbenzene	25	26.2	105	87-131
99-87-6	p-Isopropyltoluene	25	25.2	101	83-125
108-10-1	4-Methyl-2-pentanone	125	118	94	62-125
126-98-7	Methacrylonitrile	250	249	100	62-133
74-83-9	Methyl bromide	25	24.3	97	55-151
74-87-3	Methyl chloride	25	24.1	96	55-173
74-88-4	Methyl iodide	25	22.2	89	72-125
80-62-6	Methyl methacrylate	25	22.6	90	63-115
74-95-3	Methylene bromide	25	25.4	102	81-116
75-09-2	Methylene chloride	25	23.8	95	69-125
78-93-3	Methyl ethyl ketone	125	104	83	61-127
1634-04-4	Methyl Tert Butyl Ether	25	22.5	90	75-116
91-20-3	Naphthalene	25	21.1	84	59-125
76-01-7	Pentachloroethane	25	22.7	91	82-111
107-12-0	Propionitrile	250	235	94	69-119
103-65-1	n-Propylbenzene	25	24.3	97	86-125
100-42-5	Styrene	25	23.5	94	78-118
630-20-6	1,1,1,2-Tetrachloroethane	25	25.9	104	81-119
71-55-6	1,1,1-Trichloroethane	25	25.2	101	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	24.2	97	71-120
79-00-5	1,1,2-Trichloroethane	25	24.7	99	80-114
87-61-6	1,2,3-Trichlorobenzene	25	21.2	85	64-126
96-18-4	1,2,3-Trichloropropane	25	21.0	84	77-115
120-82-1	1,2,4-Trichlorobenzene	25	21.7	87	68-123

Blank Spike Summary

Job Number: F62067
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2705-BS	J043680.D	1	12/20/08	JG	n/a	n/a	VJ2705

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62067-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	25	24.4	98	82-120
108-67-8	1,3,5-Trimethylbenzene	25	25.4	102	83-123
127-18-4	Tetrachloroethylene	25	32.3	129	80-131
108-88-3	Toluene	25	27.6	110	86-116
79-01-6	Trichloroethylene	25	26.2	105	85-124
75-69-4	Trichlorofluoromethane	25	21.1	84	66-156
110-57-6	Trans-1,4-Dichloro-2-Butene	25	20.0	80	51-137
75-01-4	Vinyl chloride	25	24.7	99	57-153
108-05-4	Vinyl Acetate	125	172	138	38-159
	m,p-Xylene	50	50.1	100	86-121
95-47-6	o-Xylene	25	25.4	102	83-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	87-116%
17060-07-0	1,2-Dichloroethane-D4	97%	76-127%
2037-26-5	Toluene-D8	101%	86-112%
460-00-4	4-Bromofluorobenzene	100%	84-120%

Blank Spike Summary

Job Number: F62067
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2707-BS	J043709.D	1	12/22/08	JG	n/a	n/a	VJ2707

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62067-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	81.5	65	59-134
75-05-8	Acetonitrile	250	216	86	57-123
107-02-8	Acrolein	125	12.5	10*	33-157
107-13-1	Acrylonitrile	125	123	98	62-124
107-05-1	Allyl chloride	25	25.5	102	48-136
71-43-2	Benzene	25	27.6	110	83-124
100-44-7	Benzyl Chloride	25	18.5	74	61-118
108-86-1	Bromobenzene	25	25.7	103	83-115
74-97-5	Bromochloromethane	25	20.8	83	78-112
75-27-4	Bromodichloromethane	25	24.1	96	76-116
75-25-2	Bromoform	25	24.7	99	68-128
104-51-8	n-Butylbenzene	25	23.5	94	84-124
135-98-8	sec-Butylbenzene	25	25.5	102	86-127
98-06-6	tert-Butylbenzene	25	27.0	108	83-126
108-90-7	Chlorobenzene	25	27.2	109	87-115
75-00-3	Chloroethane	25	25.5	102	54-166
67-66-3	Chloroform	25	26.7	107	85-123
544-10-5	1-Chlorohexane	25	26.5	106	87-128
95-49-8	o-Chlorotoluene	25	25.2	101	84-121
106-43-4	p-Chlorotoluene	25	25.5	102	84-120
110-75-8	2-Chloroethyl vinyl ether	125	120	96	63-125
75-15-0	Carbon disulfide	25	24.2	97	67-147
56-23-5	Carbon tetrachloride	25	29.7	119	74-139
75-34-3	1,1-Dichloroethane	25	26.4	106	82-127
75-35-4	1,1-Dichloroethylene	25	28.4	114	75-133
563-58-6	1,1-Dichloropropene	25	26.1	104	87-127
96-12-8	1,2-Dibromo-3-chloropropane	25	22.7	91	61-118
106-93-4	1,2-Dibromoethane	25	26.6	106	80-115
107-06-2	1,2-Dichloroethane	25	24.6	98	76-122
78-87-5	1,2-Dichloropropane	25	25.4	102	81-120
142-28-9	1,3-Dichloropropane	25	24.7	99	81-113
594-20-7	2,2-Dichloropropane	25	27.8	111	77-138
124-48-1	Dibromochloromethane	25	25.9	104	74-116
75-71-8	Dichlorodifluoromethane	25	19.6	78	34-158
156-59-2	cis-1,2-Dichloroethylene	25	24.1	96	81-114
10061-01-5	cis-1,3-Dichloropropene	25	23.9	96	83-119

Blank Spike Summary

Job Number: F62067
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2707-BS	J043709.D	1	12/22/08	JG	n/a	n/a	VJ2707

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62067-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	25	20.3	81	41-130
541-73-1	m-Dichlorobenzene	25	24.2	97	86-115
95-50-1	o-Dichlorobenzene	25	23.3	93	85-115
106-46-7	p-Dichlorobenzene	25	25.8	103	87-113
156-60-5	trans-1,2-Dichloroethylene	25	28.0	112	82-126
10061-02-6	trans-1,3-Dichloropropene	25	28.7	115	87-123
100-41-4	Ethylbenzene	25	28.5	114	87-118
97-63-2	Ethyl methacrylate	25	24.5	98	68-110
76-13-1	Freon 113	25	25.8	103	74-139
591-78-6	2-Hexanone	125	82.5	66	58-125
87-68-3	Hexachlorobutadiene	25	24.4	98	71-133
110-54-3	Hexane	25	25.3	101	71-134
98-82-8	Isopropylbenzene	25	26.8	107	87-131
99-87-6	p-Isopropyltoluene	25	26.0	104	83-125
108-10-1	4-Methyl-2-pentanone	125	111	89	62-125
126-98-7	Methacrylonitrile	250	248	99	62-133
74-83-9	Methyl bromide	25	24.3	97	55-151
74-87-3	Methyl chloride	25	25.2	101	55-173
74-88-4	Methyl iodide	25	22.6	90	72-125
80-62-6	Methyl methacrylate	25	22.0	88	63-115
74-95-3	Methylene bromide	25	24.0	96	81-116
75-09-2	Methylene chloride	25	21.9	88	69-125
78-93-3	Methyl ethyl ketone	125	98.1	78	61-127
1634-04-4	Methyl Tert Butyl Ether	25	22.5	90	75-116
91-20-3	Naphthalene	25	20.4	82	59-125
76-01-7	Pentachloroethane	25	27.6	110	82-111
107-12-0	Propionitrile	250	239	96	69-119
103-65-1	n-Propylbenzene	25	24.9	100	86-125
100-42-5	Styrene	25	24.7	99	78-118
630-20-6	1,1,1,2-Tetrachloroethane	25	26.7	107	81-119
71-55-6	1,1,1-Trichloroethane	25	26.1	104	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	23.5	94	71-120
79-00-5	1,1,2-Trichloroethane	25	24.5	98	80-114
87-61-6	1,2,3-Trichlorobenzene	25	21.7	87	64-126
96-18-4	1,2,3-Trichloropropane	25	21.4	86	77-115
120-82-1	1,2,4-Trichlorobenzene	25	22.2	89	68-123

Blank Spike Summary

Job Number: F62067
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2707-BS	J043709.D	1	12/22/08	JG	n/a	n/a	VJ2707

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62067-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	25	24.9	100	82-120
108-67-8	1,3,5-Trimethylbenzene	25	26.0	104	83-123
127-18-4	Tetrachloroethylene	25	30.5	122	80-131
108-88-3	Toluene	25	28.3	113	86-116
79-01-6	Trichloroethylene	25	27.6	110	85-124
75-69-4	Trichlorofluoromethane	25	23.0	92	66-156
110-57-6	Trans-1,4-Dichloro-2-Butene	25	19.3	77	51-137
75-01-4	Vinyl chloride	25	27.1	108	57-153
108-05-4	Vinyl Acetate	125	182	146	38-159
	m,p-Xylene	50	51.9	104	86-121
95-47-6	o-Xylene	25	26.1	104	83-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	87-116%
17060-07-0	1,2-Dichloroethane-D4	100%	76-127%
2037-26-5	Toluene-D8	102%	86-112%
460-00-4	4-Bromofluorobenzene	102%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62067
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62054-1MS	J043693.D	1	12/21/08	JG	n/a	n/a	VJ2705
F62054-1MSD	J043694.D	1	12/21/08	JG	n/a	n/a	VJ2705
F62054-1	J043691.D	1	12/20/08	JG	n/a	n/a	VJ2705

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62067-1

CAS No.	Compound	F62054-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25	U	125	70.6	56*	87.6	70	21*	59-134/14
75-05-8	Acetonitrile	20	U	250	200	80	225	90	12	57-123/15
107-02-8	Acrolein	20	U	125	19.9	16*	19.1	15*	4	33-157/21
107-13-1	Acrylonitrile	10	U	125	121	97	152	122	23*	62-124/13
107-05-1	Allyl chloride	10	U	25	24.3	97	23.7	95	3	48-136/13
71-43-2	Benzene	1.0	U	25	29.7	119	28.7	115	3	83-124/11
100-44-7	Benzyl Chloride	2.0	U	25	5.4	22*	5.9	24*	9	61-118/12
108-86-1	Bromobenzene	1.0	U	25	24.8	99	26.0	104	5	83-115/10
74-97-5	Bromochloromethane	1.0	U	25	22.1	88	22.7	91	3	78-112/10
75-27-4	Bromodichloromethane	1.0	U	25	25.0	100	24.6	98	2	76-116/10
75-25-2	Bromoform	1.2		25	25.8	98	27.6	106	7	68-128/11
104-51-8	n-Butylbenzene	1.0	U	25	19.1	76*	19.7	79*	3	84-124/10
135-98-8	sec-Butylbenzene	1.0	U	25	23.9	96	24.3	97	2	86-127/10
98-06-6	tert-Butylbenzene	1.0	U	25	24.5	98	25.7	103	5	83-126/10
108-90-7	Chlorobenzene	1.0	U	25	27.4	110	27.2	109	1	87-115/9
75-00-3	Chloroethane	2.0	U	25	26.7	107	28.0	112	5	54-166/20
67-66-3	Chloroform	1.0	U	25	27.8	111	27.5	110	1	85-123/10
544-10-5	1-Chlorohexane	2.0	U	25	23.8	95	24.2	97	2	87-128/10
95-49-8	o-Chlorotoluene	1.0	U	25	23.7	95	24.5	98	3	84-121/10
106-43-4	p-Chlorotoluene	1.0	U	25	24.1	96	24.4	98	1	84-120/10
110-75-8	2-Chloroethyl vinyl ether	5.0	U	125	ND	0*	ND	0*	nc	63-125/24
75-15-0	Carbon disulfide	2.0	U	25	23.6	94	23.8	95	1	67-147/12
56-23-5	Carbon tetrachloride	1.0	U	25	29.4	118	29.7	119	1	74-139/13
75-34-3	1,1-Dichloroethane	1.7		25	30.3	114	29.8	112	2	82-127/10
75-35-4	1,1-Dichloroethylene	1.3		25	26.8	102	28.6	109	6	75-133/13
563-58-6	1,1-Dichloropropene	1.0	U	25	26.0	104	26.4	106	2	87-127/10
96-12-8	1,2-Dibromo-3-chloropropane	2.0	U	25	20.0	80	22.7	91	13	61-118/15
106-93-4	1,2-Dibromoethane	1.0	U	25	25.0	100	26.5	106	6	80-115/10
107-06-2	1,2-Dichloroethane	1.0	U	25	24.3	97	24.7	99	2	76-122/11
78-87-5	1,2-Dichloropropane	1.0	U	25	26.0	104	26.4	106	2	81-120/11
142-28-9	1,3-Dichloropropane	1.0	U	25	23.6	94	25.7	103	9	81-113/11
594-20-7	2,2-Dichloropropane	1.0	U	25	13.3	53*	13.4	54*	1	77-138/12
124-48-1	Dibromochloromethane	1.0	U	25	25.5	102	26.4	106	3	74-116/11
75-71-8	Dichlorodifluoromethane	2.0	U	25	17.1	68	15.8	63	8	34-158/22
156-59-2	cis-1,2-Dichloroethylene	13.1		25	39.3	105	39.0	104	1	81-114/10
10061-01-5	cis-1,3-Dichloropropene	1.0	U	25	20.2	81*	20.7	83	2	83-119/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62067
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62054-1MS	J043693.D	1	12/21/08	JG	n/a	n/a	VJ2705
F62054-1MSD	J043694.D	1	12/21/08	JG	n/a	n/a	VJ2705
F62054-1	J043691.D	1	12/20/08	JG	n/a	n/a	VJ2705

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62067-1

CAS No.	Compound	F62054-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	10 U		25	15.3	61	15.8	63	3	41-130/33
541-73-1	m-Dichlorobenzene	1.0 U		25	23.6	94	23.9	96	1	86-115/9
95-50-1	o-Dichlorobenzene	1.0 U		25	22.5	90	23.8	95	6	85-115/9
106-46-7	p-Dichlorobenzene	1.0 U		25	25.1	100	26.2	105	4	87-113/10
156-60-5	trans-1,2-Dichloroethylene	0.50	I	25	28.7	113	28.4	112	1	82-126/10
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	23.8	95	25.2	101	6	87-123/10
100-41-4	Ethylbenzene	1.0 U		25	28.2	113	28.2	113	0	87-118/10
97-63-2	Ethyl methacrylate	5.0 U		25	20.5	82	22.9	92	11	68-110/11
76-13-1	Freon 113	1.0 U		25	22.2	89	23.3	93	5	74-139/13
591-78-6	2-Hexanone	10 U		125	74.0	59	89.2	71	19*	58-125/14
87-68-3	Hexachlorobutadiene	2.0 U		25	19.9	80	21.5	86	8	71-133/12
110-54-3	Hexane	2.0 U		25	19.4	78	19.6	78	1	71-134/11
98-82-8	Isopropylbenzene	1.0 U		25	26.7	107	26.8	107	0	87-131/10
99-87-6	p-Isopropyltoluene	1.0 U		25	23.7	95	24.2	97	2	83-125/9
108-10-1	4-Methyl-2-pentanone	5.0 U		125	103	82	121	97	16*	62-125/13
126-98-7	Methacrylonitrile	20 U		250	219	88	256	102	16	62-133/17
74-83-9	Methyl bromide	2.0 U		25	23.5	94	25.3	101	7	55-151/21
74-87-3	Methyl chloride	2.0 U		25	23.4	94	27.0	108	14	55-173/22
74-88-4	Methyl iodide	5.0 U		25	22.5	90	22.7	91	1	72-125/11
80-62-6	Methyl methacrylate	5.0 U		25	19.8	79	22.1	88	11*	63-115/10
74-95-3	Methylene bromide	2.0 U		25	24.2	97	26.0	104	7	81-116/10
75-09-2	Methylene chloride	5.0 U		25	24.1	96	23.1	92	4	69-125/11
78-93-3	Methyl ethyl ketone	5.0 U		125	86.2	69	98.8	79	14*	61-127/13
1634-04-4	Methyl Tert Butyl Ether	1.0 U		25	21.5	86	23.6	94	9	75-116/10
91-20-3	Naphthalene	5.0 U		25	19.0	76	21.8	87	14	59-125/15
76-01-7	Pentachloroethane	10 U		25	25.5	102	27.2	109	6	82-111/8
107-12-0	Propionitrile	20 U		250	209	84	245	98	16*	69-119/12
103-65-1	n-Propylbenzene	1.0 U		25	22.9	92	23.9	96	4	86-125/10
100-42-5	Styrene	1.0 U		25	24.5	98	24.7	99	1	78-118/11
630-20-6	1,1,1,2-Tetrachloroethane	1.0 U		25	26.5	106	27.3	109	3	81-119/10
71-55-6	1,1,1-Trichloroethane	1.0 U		25	26.6	106	27.0	108	1	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	20.2	81	23.7	95	16*	71-120/11
79-00-5	1,1,2-Trichloroethane	1.0 U		25	24.3	97	25.9	104	6	80-114/11
87-61-6	1,2,3-Trichlorobenzene	1.0 U		25	20.1	80	22.7	91	12	64-126/16
96-18-4	1,2,3-Trichloropropane	2.0 U		25	17.6	70*	21.7	87	21*	77-115/12
120-82-1	1,2,4-Trichlorobenzene	1.0 U		25	20.7	83	21.5	86	4	68-123/11

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62067
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62054-1MS	J043693.D	1	12/21/08	JG	n/a	n/a	VJ2705
F62054-1MSD	J043694.D	1	12/21/08	JG	n/a	n/a	VJ2705
F62054-1	J043691.D	1	12/20/08	JG	n/a	n/a	VJ2705

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62067-1

CAS No.	Compound	F62054-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	2.0	U	25	23.9	96	24.2	97	1	82-120/10
108-67-8	1,3,5-Trimethylbenzene	2.0	U	25	23.9	96	24.5	98	2	83-123/10
127-18-4	Tetrachloroethylene	2.6		25	31.6	116	31.2	114	1	80-131/12
108-88-3	Toluene	1.0	U	25	28.6	114	28.3	113	1	86-116/10
79-01-6	Trichloroethylene	8.8		25	36.8	112	36.5	111	1	85-124/10
75-69-4	Trichlorofluoromethane	2.0	U	25	19.8	79	24.6	98	22*	66-156/15
110-57-6	Trans-1,4-Dichloro-2-Butene	10	U	25	15.0	60	15.2	61	1	51-137/24
75-01-4	Vinyl chloride	1.0	U	25	25.0	100	28.0	112	11	57-153/22
108-05-4	Vinyl Acetate	10	U	125	149	119	159	127	6	38-159/11
	m,p-Xylene	2.0	U	50	50.8	102	50.8	102	0	86-121/10
95-47-6	o-Xylene	1.0	U	25	25.7	103	26.2	105	2	83-121/10

CAS No.	Surrogate Recoveries	MS	MSD	F62054-1	Limits
1868-53-7	Dibromofluoromethane	98%	98%	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	94%	98%	90%	76-127%
2037-26-5	Toluene-D8	97%	99%	104%	86-112%
460-00-4	4-Bromofluorobenzene	93%	97%	101%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62067
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62135-3MS	J043714.D	1	12/22/08	JG	n/a	n/a	VJ2707
F62135-3MSD	J043715.D	1	12/22/08	JG	n/a	n/a	VJ2707
F62135-3	J043713.D	1	12/22/08	JG	n/a	n/a	VJ2707

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62067-2

CAS No.	Compound	F62135-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25 U		125	87.6	70	81.9	66	7	59-134/14
107-02-8	Acrolein	20 U		125	ND	0*	6.9	6*	200*	33-157/21
107-13-1	Acrylonitrile	10 U		125	139	111	135	108	3	62-124/13
71-43-2	Benzene	1.0 U		25	29.4	118	29.2	117	1	83-124/11
100-44-7	Benzyl Chloride	2.0 U		25	19.4	78	19.0	76	2	61-118/12
108-86-1	Bromobenzene	1.0 U		25	27.3	109	27.7	111	1	83-115/10
74-97-5	Bromochloromethane	1.0 U		25	23.7	95	23.1	92	3	78-112/10
75-27-4	Bromodichloromethane	1.0 U		25	25.4	102	25.6	102	1	76-116/10
75-25-2	Bromoform	1.0 U		25	26.9	108	27.5	110	2	68-128/11
104-51-8	n-Butylbenzene	1.0 U		25	24.8	99	24.6	98	1	84-124/10
135-98-8	sec-Butylbenzene	1.0 U		25	27.1	108	26.9	108	1	86-127/10
98-06-6	tert-Butylbenzene	1.0 U		25	27.5	110	27.5	110	0	83-126/10
108-90-7	Chlorobenzene	0.39	I	25	29.1	115	28.9	114	1	87-115/9
75-00-3	Chloroethane	2.0 U		25	25.0	100	26.7	107	7	54-166/20
67-66-3	Chloroform	1.0 U		25	28.9	116	27.8	111	4	85-123/10
544-10-5	1-Chlorohexane	2.0 U		25	26.5	106	27.3	109	3	87-128/10
95-49-8	o-Chlorotoluene	1.0 U		25	26.2	105	26.5	106	1	84-121/10
106-43-4	p-Chlorotoluene	1.0 U		25	26.3	105	26.5	106	1	84-120/10
110-75-8	2-Chloroethyl vinyl ether	5.0 U		125	ND	0*	ND	0*	nc	63-125/24
75-15-0	Carbon disulfide	2.0 U		25	25.4	102	25.4	102	0	67-147/12
56-23-5	Carbon tetrachloride	1.0 U		25	32.2	129	31.0	124	4	74-139/13
75-34-3	1,1-Dichloroethane	1.0 U		25	29.1	116	28.1	112	3	82-127/10
75-35-4	1,1-Dichloroethylene	1.0 U		25	28.9	116	29.6	118	2	75-133/13
563-58-6	1,1-Dichloropropene	1.0 U		25	28.8	115	28.0	112	3	87-127/10
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U		25	24.5	98	24.0	96	2	61-118/15
106-93-4	1,2-Dibromoethane	1.0 U		25	27.5	110	27.3	109	1	80-115/10
107-06-2	1,2-Dichloroethane	1.0		25	26.5	102	26.7	103	1	76-122/11
78-87-5	1,2-Dichloropropane	17.3		25	46.1	115	45.8	114	1	81-120/11
142-28-9	1,3-Dichloropropane	1.0 U		25	26.3	105	26.6	106	1	81-113/11
594-20-7	2,2-Dichloropropane	1.0 U		25	29.2	117	28.2	113	3	77-138/12
124-48-1	Dibromochloromethane	1.0 U		25	26.8	107	26.5	106	1	74-116/11
75-71-8	Dichlorodifluoromethane	2.0 U		25	18.7	75	20.4	82	9	34-158/22
156-59-2	cis-1,2-Dichloroethylene	1.0 U		25	26.6	106	26.2	105	2	81-114/10
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	23.8	95	23.2	93	3	83-119/10
541-73-1	m-Dichlorobenzene	1.0 U		25	25.2	101	25.4	102	1	86-115/9
95-50-1	o-Dichlorobenzene	1.0 U		25	24.6	98	25.1	100	2	85-115/9

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62067
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62135-3MS	J043714.D	1	12/22/08	JG	n/a	n/a	VJ2707
F62135-3MSD	J043715.D	1	12/22/08	JG	n/a	n/a	VJ2707
F62135-3	J043713.D	1	12/22/08	JG	n/a	n/a	VJ2707

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62067-2

CAS No.	Compound	F62135-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
106-46-7	p-Dichlorobenzene	1.0 U		25	28.1	112	27.7	111	1	87-113/10
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	31.0	124	30.3	121	2	82-126/10
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	29.6	118	29.0	116	2	87-123/10
100-41-4	Ethylbenzene	1.0 U		25	29.7	119*	29.8	119*	0	87-118/10
76-13-1	Freon 113	1.0 U		25	24.6	98	25.6	102	4	74-139/13
591-78-6	2-Hexanone	10 U		125	94.3	75	93.6	75	1	58-125/14
87-68-3	Hexachlorobutadiene	2.0 U		25	25.6	102	26.3	105	3	71-133/12
110-54-3	Hexane	3.7		25	31.7	112	30.7	108	3	71-134/11
98-82-8	Isopropylbenzene	1.0 U		25	28.8	115	28.6	114	1	87-131/10
99-87-6	p-Isopropyltoluene	1.0 U		25	27.3	109	27.2	109	0	83-125/9
108-10-1	4-Methyl-2-pentanone	5.0 U		125	128	102	127	102	1	62-125/13
74-83-9	Methyl bromide	2.0 U		25	24.7	99	26.3	105	6	55-151/21
74-87-3	Methyl chloride	2.0 U		25	24.8	99	26.9	108	8	55-173/22
74-88-4	Methyl iodide	5.0 U		25	24.3	97	24.1	96	1	72-125/11
80-62-6	Methyl methacrylate	5.0 U		25	26.1	104	26.1	104	0	63-115/10
74-95-3	Methylene bromide	2.0 U		25	26.6	106	27.2	109	2	81-116/10
75-09-2	Methylene chloride	5.0 U		25	26.7	107	25.4	102	5	69-125/11
78-93-3	Methyl ethyl ketone	5.0 U		125	108	86	105	84	3	61-127/13
1634-04-4	Methyl Tert Butyl Ether	20.5		25	46.6	104	45.6	100	2	75-116/10
91-20-3	Naphthalene	5.0 U		25	22.1	88	23.8	95	7	59-125/15
103-65-1	n-Propylbenzene	1.0 U		25	25.9	104	25.8	103	0	86-125/10
100-42-5	Styrene	1.0 U		25	25.9	104	26.6	106	3	78-118/11
630-20-6	1,1,1,2-Tetrachloroethane	1.0 U		25	27.7	111	27.3	109	1	81-119/10
71-55-6	1,1,1-Trichloroethane	1.0 U		25	28.3	113	27.6	110	3	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	25.1	100	24.9	100	1	71-120/11
79-00-5	1,1,2-Trichloroethane	1.0 U		25	25.4	102	26.0	104	2	80-114/11
87-61-6	1,2,3-Trichlorobenzene	1.0 U		25	22.8	91	23.6	94	3	64-126/16
96-18-4	1,2,3-Trichloropropane	0.36	I	25	22.6	89	22.3	88	1	77-115/12
120-82-1	1,2,4-Trichlorobenzene	1.0 U		25	23.0	92	24.5	98	6	68-123/11
95-63-6	1,2,4-Trimethylbenzene	2.0 U		25	25.9	104	26.3	105	2	82-120/10
108-67-8	1,3,5-Trimethylbenzene	2.0 U		25	27.1	108	26.8	107	1	83-123/10
127-18-4	Tetrachloroethylene	1.0 U		25	31.0	124	30.8	123	1	80-131/12
108-88-3	Toluene	1.0 U		25	29.6	118*	29.5	118*	0	86-116/10
79-01-6	Trichloroethylene	0.64	I	25	29.4	115	29.5	115	0	85-124/10
75-69-4	Trichlorofluoromethane	2.0 U		25	19.5	78	21.3	85	9	66-156/15
110-57-6	Trans-1,4-Dichloro-2-Butene	10 U		25	18.4	74	18.1	72	2	51-137/24

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62067
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62135-3MS	J043714.D	1	12/22/08	JG	n/a	n/a	VJ2707
F62135-3MSD	J043715.D	1	12/22/08	JG	n/a	n/a	VJ2707
F62135-3	J043713.D	1	12/22/08	JG	n/a	n/a	VJ2707

The QC reported here applies to the following samples: **Method:** SW846 8260B

F62067-2

CAS No.	Compound	F62135-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
75-01-4	Vinyl chloride	1.0	U	25	25.0	100	27.8	111	11	57-153/22
108-05-4	Vinyl Acetate	10	U	125	182	146	180	144	1	38-159/11
	m,p-Xylene	2.0	U	50	54.2	108	54.5	109	1	86-121/10
95-47-6	o-Xylene	1.0	U	25	27.1	108	27.7	111	2	83-121/10

CAS No.	Surrogate Recoveries	MS	MSD	F62135-3	Limits
1868-53-7	Dibromofluoromethane	99%	99%	98%	87-116%
17060-07-0	1,2-Dichloroethane-D4	97%	97%	95%	76-127%
2037-26-5	Toluene-D8	99%	100%	106%	86-112%
460-00-4	4-Bromofluorobenzene	98%	99%	104%	84-120%

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F62067
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3639-MB	CD086521.D	1	12/19/08	JG	n/a	n/a	GCD3639

The QC reported here applies to the following samples: **Method:** SW846 8015

F62067-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	0.050	mg/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	86%	57-129%
98-08-8	aaa-Trifluorotoluene	91%	58-120%

Blank Spike Summary

Job Number: F62067
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3639-BS	CD086520.D	1	12/19/08	JG	n/a	n/a	GCD3639

The QC reported here applies to the following samples: **Method:** SW846 8015

F62067-1

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	0.4	0.412	103	75-129

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	95%	57-129%
98-08-8	aaa-Trifluorotoluene	99%	58-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62067
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F62084-2MS	CD086524.D	1	12/19/08	JG	n/a	n/a	GCD3639
F62084-2MSD	CD086525.D	1	12/19/08	JG	n/a	n/a	GCD3639
F62084-2	CD086523.D	1	12/19/08	JG	n/a	n/a	GCD3639

The QC reported here applies to the following samples: **Method:** SW846 8015

F62067-1

CAS No.	Compound	F62084-2 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	0.373		0.4	0.740	92	0.702	82	5	75-129/13

CAS No.	Surrogate Recoveries	MS	MSD	F62084-2	Limits
460-00-4	4-Bromofluorobenzene	107%	105%	90%	57-129%
98-08-8	aaa-Trifluorotoluene	102%	105%	93%	58-120%

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F62067
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27397-MB	YY10582.D	1	12/17/08	NY	12/10/08	OP27397	GYY379

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62067-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.25	0.10	mg/l	
	TPH (> C22-C36)	ND	0.25	0.10	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	81%	42-114%

Method Blank Summary

Job Number: F62067
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27397-MB	YY10613.D	1	12/18/08	NY	12/10/08	OP27397	GYY380

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62067-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	0.25	0.10	mg/l	
	TPH (> C22-C36)	ND	0.25	0.10	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	95%	42-114%

Blank Spike Summary

Job Number: F62067
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27397-BS	YY10581.D	1	12/17/08	NY	12/10/08	OP27397	GYY379

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62067-1

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH (C10-C22)	1	0.929	93	60-140
	TPH (> C22-C36)	1	0.902	90	60-140

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	85%	42-114%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F62067
Account: NWIDIF North Wind, Inc
Project: Holloman AFB; SS61 (Spill Site 61)

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27397-MS	YY10605.D	1	12/18/08	NY	12/10/08	OP27397	GYY379
OP27397-MSD	YY10606.D	1	12/18/08	NY	12/10/08	OP27397	GYY379
F62086-1	YY10604.D	1	12/18/08	NY	12/10/08	OP27397	GYY379

The QC reported here applies to the following samples: **Method:** SW846 8015 M

F62067-1

CAS No.	Compound	F62086-1 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C22)	0.123	J	1.92	2.06	101	1.99	97	3	60-140/30
	TPH (> C22-C36)	0.219	J	1.92	2.09	97	2.13	99	2	60-140/30

CAS No.	Surrogate Recoveries	MS	MSD	F62086-1	Limits
84-15-1	o-Terphenyl	92%	90%	95%	42-114%

R&R Visual
1828 W. Olson Rd.
Rochester, IN 46975
Tel.: 574-223-5426
Fax: 574-223-7953
Email: msutton@rapidview.com

Table of contents

Project Name:	Project number:	Date:	Contact:	
Holloman AFB		12/2/2008		

Inspection: 1

Project Information 42

Section: 1 43

Section: 2 47

Section: 3 58

R&R Visual
1828 W. Olson Rd.
Rochester, IN 46975
Tel: 574-223-5426
Fax: 574-223-7953
E-mail: msutton@rapidview.com

Project Information / Inspection: 1

Project name :	Project No. :	Contact :	Date :
Holloman AFB			**12/2/2008**

Client:	**North Wind Inc.**
Contact Name:	**Tom Matzen**
Department:	
Po Box:	
Street:	**433 Kitty Hawk, Suite 211**
City:	**Universal City, TX 78148**
Telephone:	**210-659-3533**
Fax:	**210-659-6909**
Mobile:	
E-mail:	

Site:	
Contact Name:	
Department:	
Po Box:	
Street:	
City:	
Telephone:	
Fax:	
Mobile:	
E-mail:	

Contractor	**R&R Visual**
Contact Name:	**Matt Sutton**
Department:	
Po Box:	
Street:	**1828 W. Olson Rd.**
City:	**Rochester, IN 46975**
Telephone:	**574-223-5426**
Fax:	**574-223-7953**
Mobile:	
E-mail:	**msutton@rapidview.com**

City :

R&R Visual
1828 W. Olson Rd.
Rochester, IN 46975
Tel: 574-223-5426
Fax: 574-223-7953
E-mail: msutton@rapidview.com

Inspection Report / Inspection: 1

Date	P/O. No.	Weather	Surveyor's Name	Pipe Segment Reference	Section No.
12/2/2008		**Dry**	**Jeremy**		**1**
Certificate No.	Survey Customer	System Owner	Date Cleaned	Pre-Cleaning	Sewer Category
U-906-3746		**Holloman AFB**		**No Pre-Cleaning**	

Street123	**1072 Dezonia Dr.**	Use of Sewer	**Fuel line**	Upstream MH	**1**
City		Drainage Area		Dowstream MH	**2**
Loc. details		Flow Control	**Not Controlled**	Dir. of Survey	**Upstream**
Location Code	**Other**	Length surveyed	**48.30 ft**	Section Length	**48.90 ft**

Purpose of Survey	**Maintenance Related**	Joint Length	
Year Laid		Dia./Height	**6 inch**
Year Rehabilitated		Material	**Steel Pipe**
Tape / Media No.	**120208**	Lining Method	

Add. Information :

1:135	Position		Observation	Photo
	0.60		Downstream Manhole, Survey Begins, REMARK: 2	
	3.30		Water Level, Sag in pipe, 10 %of cross sectional area	1_2122058_02122008_A.JPG
	3.40	S1	Deposits Settled Other, 10 %of cross sectional area, from 05 to 07 o'clock, , within 8 inches of joint: YES, REMARK: debris, Start	1_2122139_02122008_A.JPG
	5.00	S2	Surface Corrosion Metal Pipe, from 08 to 04 o'clock, within 8 inches of joint: YES, Start	1_2122452_02122008_A.JPG
	10.30	F1	Deposits Settled Other, 10 %of cross sectional area, from 05 to 07 o'clock, , within 8 inches of joint: YES, REMARK: , Finish	
	40.10		Water Level, Sag in pipe, 15 %of cross sectional area	1_2123815_02122008_A.JPG
	44.50	S3	Deposits Settled Other, 20 %of cross sectional area, from 05 to 07 o'clock, , within 8 inches of joint: YES, REMARK: debris, Start	1_2124014_02122008_A.JPG
	48.90	F3	Deposits Settled Other, 20 %of cross sectional area, from 05 to 07 o'clock, , within 8 inches of joint: YES, REMARK: , Finish	
	48.90	F2	Surface Corrosion Metal Pipe, from 08 to 04 o'clock, within 8 inches of joint: YES, Finish	
	48.90		Survey Abandoned, REMARK: Camera stopped on debris	1_2124540_02122008_A.JPG

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
3900	**3224**	**27**	**14**	**41**	**3**	**2.33**	**2.73**

R&R Visual
1828 W. Olson Rd.
Rochester, IN 46975
Tel: 574-223-5426
Fax: 574-223-7953
E-mail: msutton@rapidview.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
	1072 Dezonia Dr.			**1**

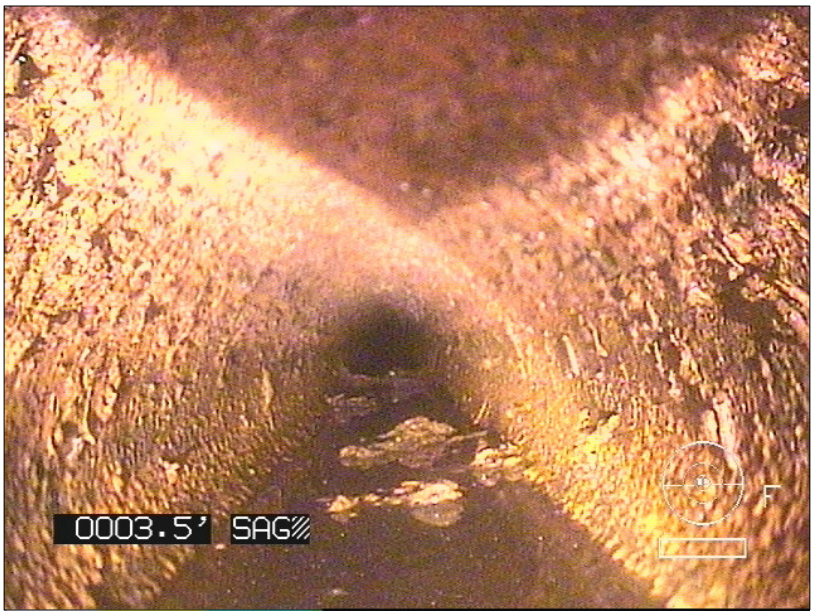


Photo: 1_2122058_02122008_A.JPG, VCR No.: 120208
3.3FT, Water Level, Sag in pipe, 10 %of cross sectional area

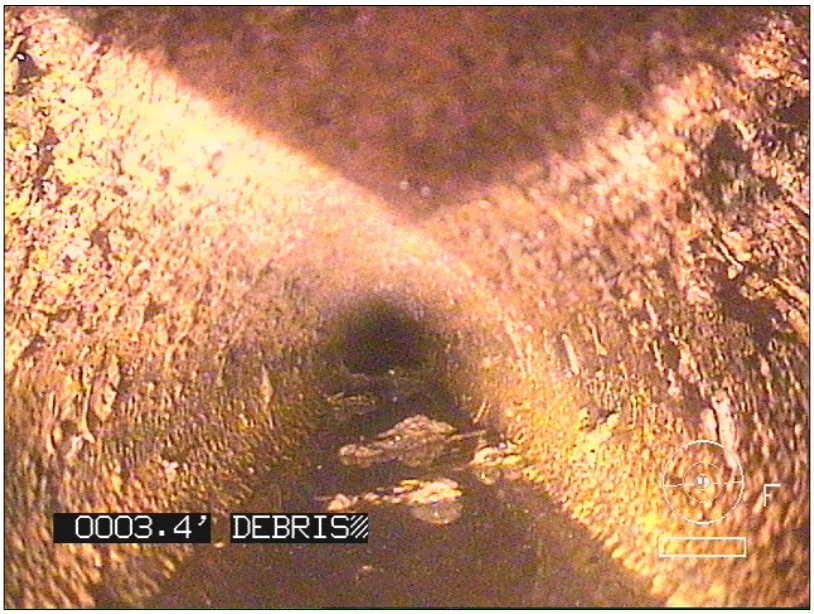


Photo: 1_2122139_02122008_A.JPG, VCR No.: 120208
3.4FT, Deposits Settled Other, 10 %of cross sectional area, from 05 to 07 o'clock, , within 8 inches of joint: YES, REMARK: debris, Start

R&R Visual
1828 W. Olson Rd.
Rochester, IN 46975
Tel: 574-223-5426
Fax: 574-223-7953
E-mail: msutton@rapidview.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
	1072 Dezonia Dr.			**1**

Photo: 1_2122452_02122008_A.JPG, VCR No.: 120208
5FT, Surface Corrosion Metal Pipe, from 08 to 04 o'clock, within 8 inches of joint: YES, Start

Photo: 1_2123815_02122008_A.JPG, VCR No.: 120208
40.1FT, Water Level, Sag in pipe, 15 %of cross sectional area

R&R Visual
1828 W. Olson Rd.
Rochester, IN 46975
Tel: 574-223-5426
Fax: 574-223-7953
E-mail: msutton@rapidview.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
	1072 Dezonia Dr.			**1**

Photo: 1_2124014_02122008_A.JPG, VCR No.: 120208
44.5FT, Deposits Settled Other, 20 %of cross sectional area, from 05 to 07 o'clock, , within 8 inches of joint: YES, REMARK: debris, Start

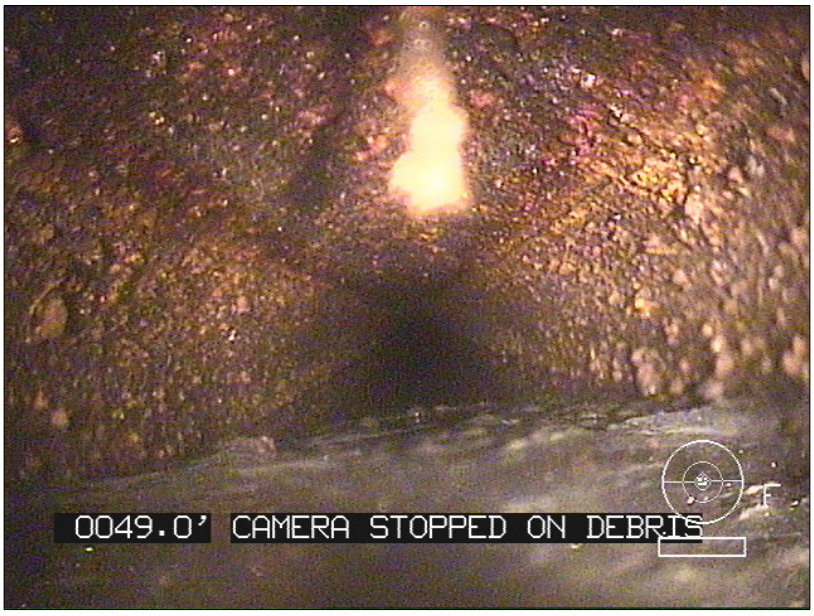


Photo: 1_2124540_02122008_A.JPG, VCR No.: 120208
48.9FT, Survey Abandoned, REMARK: Camera stopped on debris

City :

R&R Visual
1828 W. Olson Rd.
Rochester, IN 46975
Tel: 574-223-5426
Fax: 574-223-7953
E-mail: msutton@rapidview.com

Inspection Report / Inspection: 1

Date	P/O. No.	Weather	Surveyor's Name	Pipe Segment Reference	Section No.
12/2/2008		**Dry**	**Jeremy**		**2**
Certificate No.	**Survey Customer**	**System Owner**	**Date Cleaned**	**Pre-Cleaning**	**Sewer Category**
U-906-3746		**Holloman AFB**		**No Pre-Cleaning**	

Street123	**1072 Deznia Dr.**	Use of Sewer		Upstream MH	**3**
City		Drainage Area		Dowstream MH	**4**
Loc. details		Flow Control	**Not Controlled**	Dir. of Survey	**Downstream**
Location Code	**Other**	Length surveyed	**589.80 ft**	Section Length	**589.80 ft**

Purpose of Survey	**Maintenance Related**	Joint Length	
Year Laid		Dia./Height	**6 inch**
Year Rehabilitated		Material	**Steel Pipe**
Tape / Media No.	**120208**	Lining Method	

Add. Information :

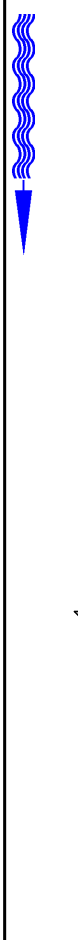
1:738 Position		Observation	Photo
0.00		Upstream Manhole, Survey Begins, REMARK: 3	
2.40	**S1**	Deposits Settled Other, 10 %of cross sectional area, from 05 to 07 o'clock, , within 8 inches of joint: YES, REMARK: debris, Start	3_4232148_02122008_A.JPG
61.40	**S2**	Surface Corrosion Metal Pipe, from 09 to 03 o'clock, within 8 inches of joint: YES, Start	3_4232720_02122008_A.JPG
121.90	**F1**	Deposits Settled Other, 10 %of cross sectional area, from 05 to 07 o'clock, , within 8 inches of joint: YES, REMARK: , Finish	
151.90	**F2**	Surface Corrosion Metal Pipe, from 09 to 03 o'clock, within 8 inches of joint: YES, Finish	
155.80		Deposits Settled Other, 10 %of cross sectional area, from 05 to 07 o'clock, , within 8 inches of joint: NO, REMARK: debris	3_4234016_02122008_A.JPG
161.90		Deposits Settled Other, 10 %of cross sectional area, from 04 to 08 o'clock, , within 8 inches of joint: NO, REMARK: debris	3_4234127_02122008_A.JPG
175.70	**S3**	Surface Corrosion Metal Pipe, from 09 to 03 o'clock, within 8 inches of joint: YES, Start	3_4234346_02122008_A.JPG
184.60	**F3**	Surface Corrosion Metal Pipe, from 09 to 03 o'clock, within 8 inches of joint: YES, Finish	
188.50	**S4**	Surface Corrosion Metal Pipe, from 05 to 07 o'clock, within 8 inches of joint: YES, Start	3_4234505_02122008_A.JPG
243.90		Water Level, Sag in pipe, 15 %of cross sectional area	3_4234935_02122008_A.JPG
257.90	**S5**	Alignment Down, 50 %, Start	3_4235154_02122008_A.JPG
291.00	**F5**	Alignment Down, 50 %, Finish	

City :

R&R Visual
1828 W. Olson Rd.
City : Rochester, IN 46975
Tel: 574-223-5426
Fax: 574-223-7953
Email: msutton@rapidview.com

Inspection Report / Inspection: 1

Date :	Job number :	Weather : **Dry**	Operator : **Jeremy**	Counter : **2**	Section name :
Present :	Vehicle :	Camera :	Preset :	Cleaned : **No Pre-Cleaning**	Rate :



1:738 Position		Observation	Photo
296.80	F4	Surface Corrosion Metal Pipe, from 05 to 07 o'clock, within 8 inches of joint: YES, Finish	
381.70	S6	Surface Corrosion Metal Pipe, from 07 to 07 o'clock, within 8 inches of joint: NO, Start	3_4000143_03122008_A.JPG
381.80		Deposits Settled Other, 10 %of cross sectional area, from 03 to 07 o'clock, , within 8 inches of joint: NO, REMARK: debris	3_4000216_03122008_A.JPG
420.70	F6	Surface Corrosion Metal Pipe, from 07 to 07 o'clock, within 8 inches of joint: NO, Finish	
449.90	S7	Deposits Settled Other, 10 %of cross sectional area, from 05 to 07 o'clock, , within 8 inches of joint: NO, REMARK: debris, Start	3_4000651_03122008_A.JPG
491.30		Surface Corrosion Metal Pipe, from 01 to 11 o'clock, within 8 inches of joint: YES	3_4001048_03122008_A.JPG
491.30	F7	Deposits Settled Other, 10 %of cross sectional area, from 05 to 07 o'clock, , within 8 inches of joint: NO, REMARK: , Finish	
542.50		Surface Corrosion Metal Pipe, from 12 to 12 o'clock, within 8 inches of joint: NO	3_4001431_03122008_A.JPG
573.00	S8	Deposits Settled Other, 15 %of cross sectional area, from 05 to 07 o'clock, , within 8 inches of joint: NO, REMARK: debris, Start	3_4001730_03122008_A.JPG
577.10	S9	Alignment Down, 20 %, Start	3_4001948_03122008_A.JPG
589.80	F9	Alignment Down, 20 %, Finish	
589.80		Tap Factory Made, at 09 o'clock, 6", within 8 inches of joint: YES	3_4004813_03122008_A.JPG
589.80		Tap Factory Made, at 03 o'clock, 6", within 8 inches of joint: YES	3_4005108_03122008_A.JPG
589.80	F8	Deposits Settled Other, 15 %of cross sectional area, from 05 to 07 o'clock, , within 8 inches of joint: NO, REMARK: , Finish	
589.80		Survey Abandoned, REMARK: Camera stopped on offset joint	3_4010531_03122008_A.JPG

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
3I00	**4733**	**156**	**115**	**271**	**3**	**2.35**	**2.68**

R&R Visual
1828 W. Olson Rd.
Rochester, IN 46975
Tel: 574-223-5426
Fax: 574-223-7953
E-mail: msutton@rapidview.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
	1072 Deznia Dr.			**2**

Photo: 3_4232148_02122008_A.JPG, VCR No.: 120208
2.4FT, Deposits Settled Other, 10 %of cross sectional area, from 05 to 07 o'clock, , within 8 inches of joint: YES, REMARK: debris, Start

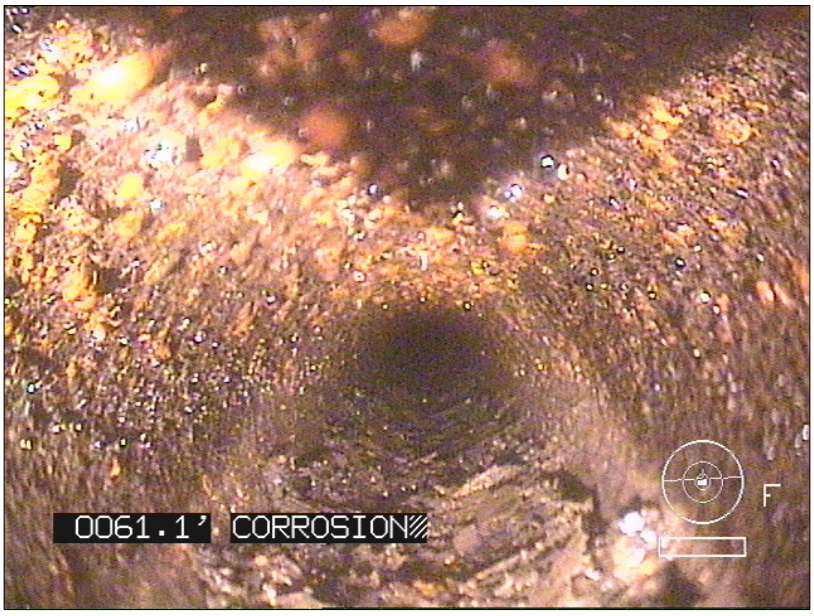


Photo: 3_4232720_02122008_A.JPG, VCR No.: 120208
61.4FT, Surface Corrosion Metal Pipe, from 09 to 03 o'clock, within 8 inches of joint: YES, Start

R&R Visual
1828 W. Olson Rd.
Rochester, IN 46975
Tel: 574-223-5426
Fax: 574-223-7953
E-mail: msutton@rapidview.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
	1072 Deznia Dr.			**2**

Photo: 3_4234016_02122008_A.JPG, VCR No.: 120208
155.8FT, Deposits Settled Other, 10 %of cross sectional area,
from 05 to 07 o'clock, , within 8 inches of joint: NO, REMARK: debris

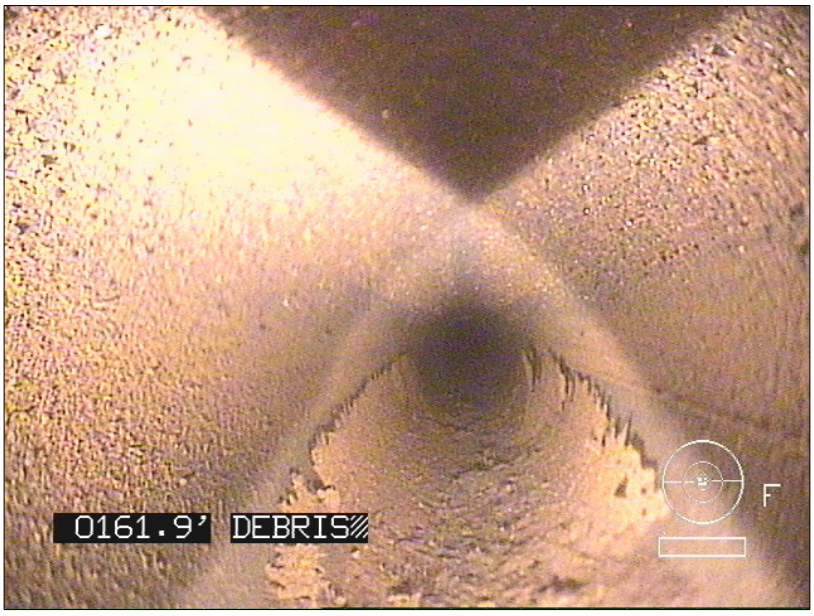


Photo: 3_4234127_02122008_A.JPG, VCR No.: 120208
161.9FT, Deposits Settled Other, 10 %of cross sectional area,
from 04 to 08 o'clock, , within 8 inches of joint: NO, REMARK: debris

R&R Visual
1828 W. Olson Rd.
Rochester, IN 46975
Tel: 574-223-5426
Fax: 574-223-7953
E-mail: msutton@rapidview.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
	1072 Deznia Dr.			**2**

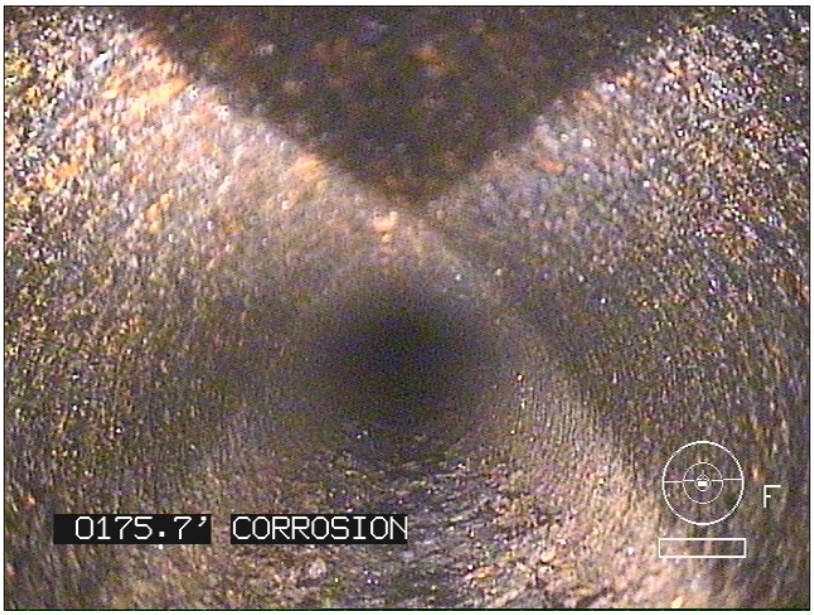


Photo: 3_4234346_02122008_A.JPG, VCR No.: 120208
175.7FT, Surface Corrosion Metal Pipe, from 09 to 03 o'clock,
within 8 inches of joint: YES, Start

Photo: 3_4234505_02122008_A.JPG, VCR No.: 120208
188.5FT, Surface Corrosion Metal Pipe, from 05 to 07 o'clock,
within 8 inches of joint: YES, Start

R&R Visual
1828 W. Olson Rd.
Rochester, IN 46975
Tel: 574-223-5426
Fax: 574-223-7953
E-mail: msutton@rapidview.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
	1072 Deznia Dr.			**2**

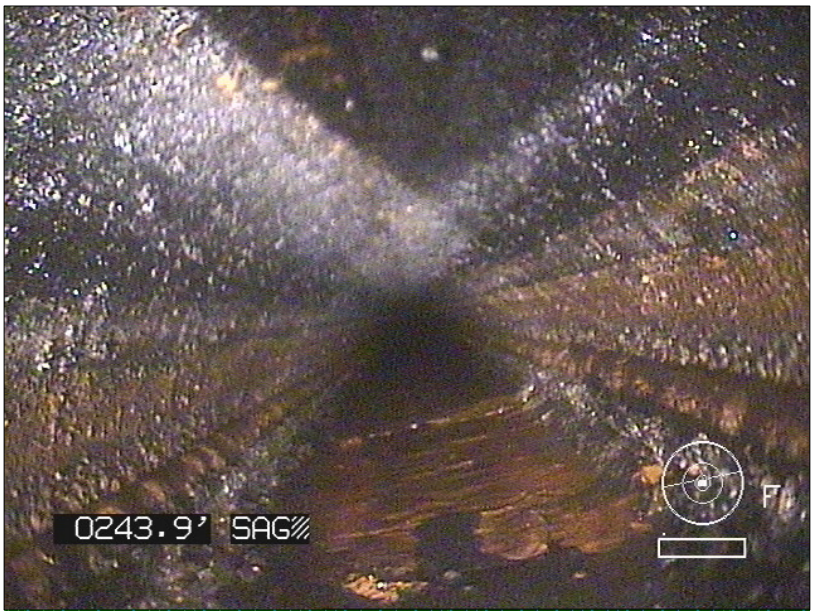


Photo: 3_4234935_02122008_A.JPG, VCR No.: 120208
243.9FT, Water Level, Sag in pipe, 15 %of cross sectional area

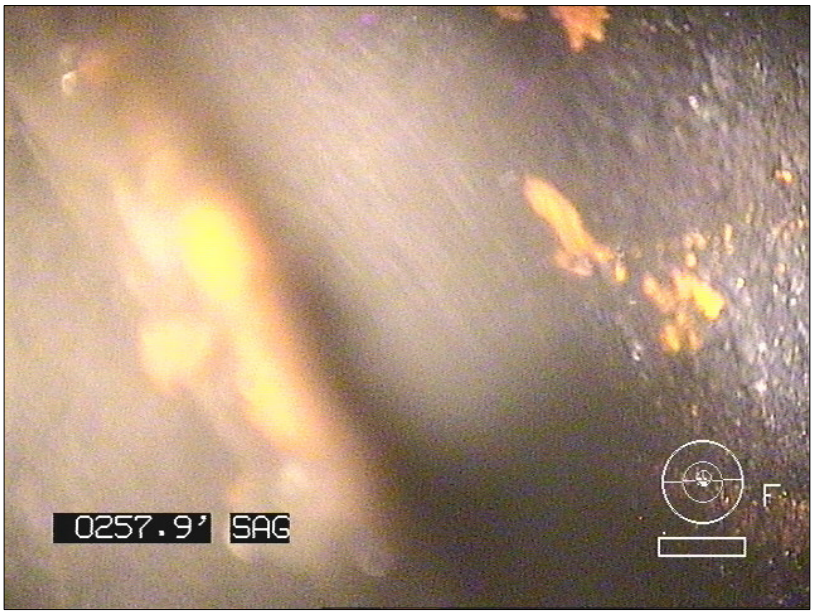


Photo: 3_4235154_02122008_A.JPG, VCR No.: 120208
257.9FT, Alignment Down, 50 %, Start

R&R Visual
1828 W. Olson Rd.
Rochester, IN 46975
Tel: 574-223-5426
Fax: 574-223-7953
E-mail: msutton@rapidview.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
	1072 Deznia Dr.			**2**

Photo: 3_4000143_03122008_A.JPG, VCR No.: 120208
381.7FT, Surface Corrosion Metal Pipe, from 07 to 07 o'clock,
within 8 inches of joint: NO, Start

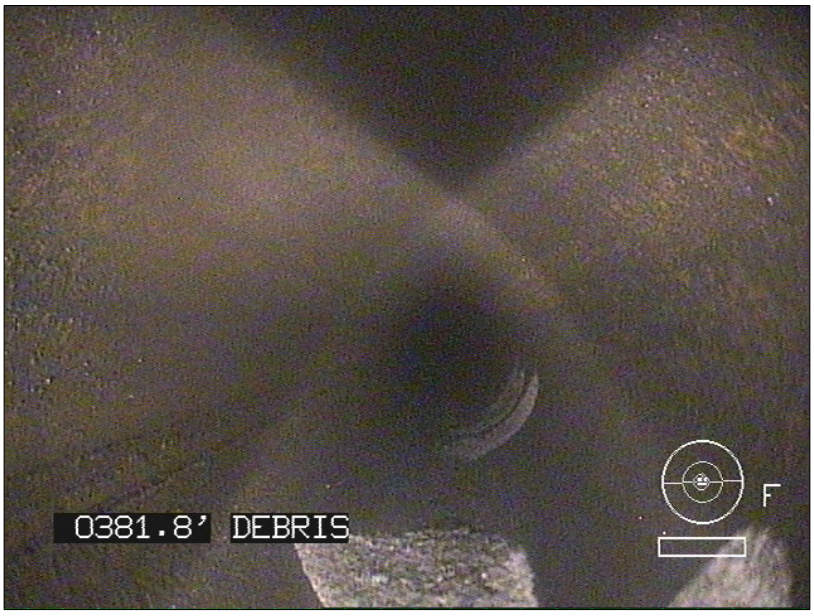


Photo: 3_4000216_03122008_A.JPG, VCR No.: 120208
381.8FT, Deposits Settled Other, 10 %of cross sectional area,
from 03 to 07 o'clock, , within 8 inches of joint: NO, REMARK: debris

R&R Visual
1828 W. Olson Rd.
Rochester, IN 46975
Tel: 574-223-5426
Fax: 574-223-7953
E-mail: msutton@rapidview.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
	1072 Deznia Dr.			**2**

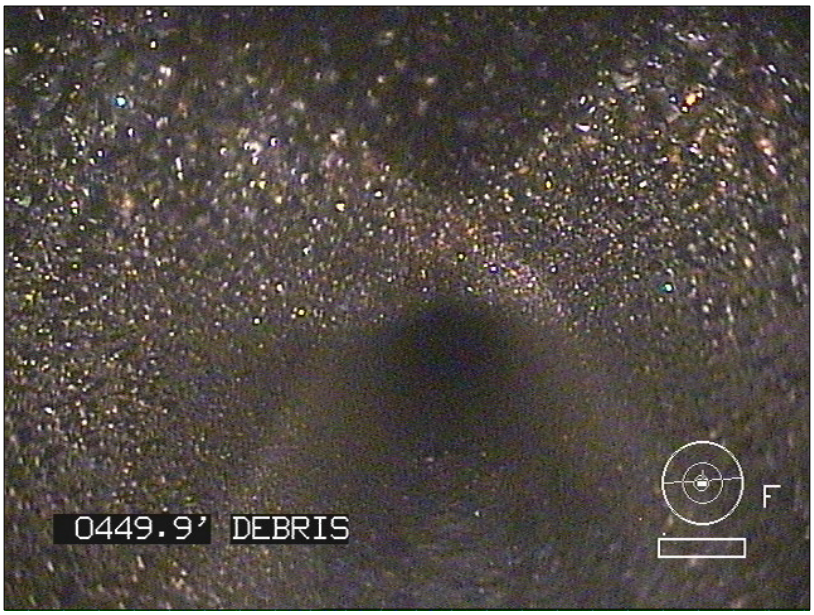


Photo: 3_4000651_03122008_A.JPG, VCR No.: 120208
449.9FT, Deposits Settled Other, 10 %of cross sectional area, from 05 to 07 o'clock, , within 8 inches of joint: NO, REMARK: debris, Start

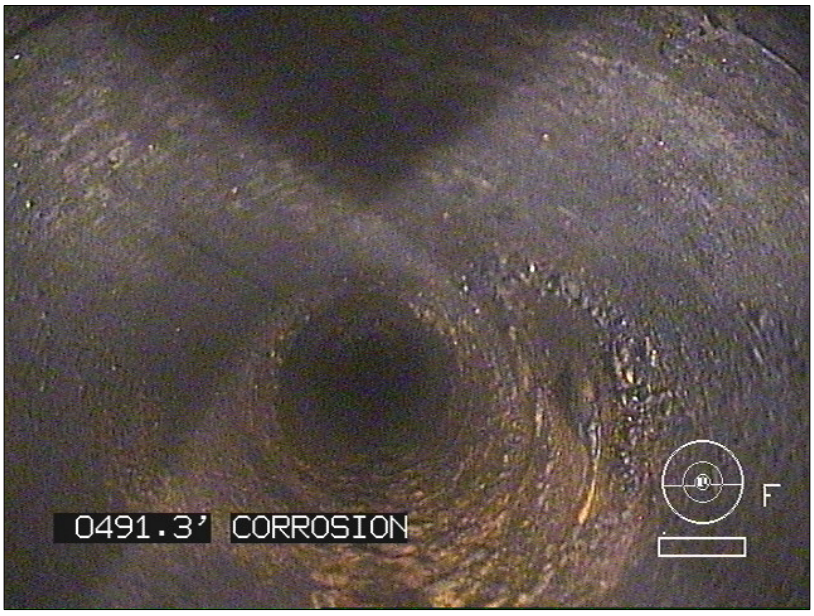


Photo: 3_4001048_03122008_A.JPG, VCR No.: 120208
491.3FT, Surface Corrosion Metal Pipe, from 01 to 11 o'clock, within 8 inches of joint: YES

R&R Visual
1828 W. Olson Rd.
Rochester, IN 46975
Tel: 574-223-5426
Fax: 574-223-7953
E-mail: msutton@rapidview.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
	1072 Deznia Dr.			**2**

Photo: 3_4001431_03122008_A.JPG, VCR No.: 120208
542.5FT, Surface Corrosion Metal Pipe, from 12 to 12 o'clock,
within 8 inches of joint: NO

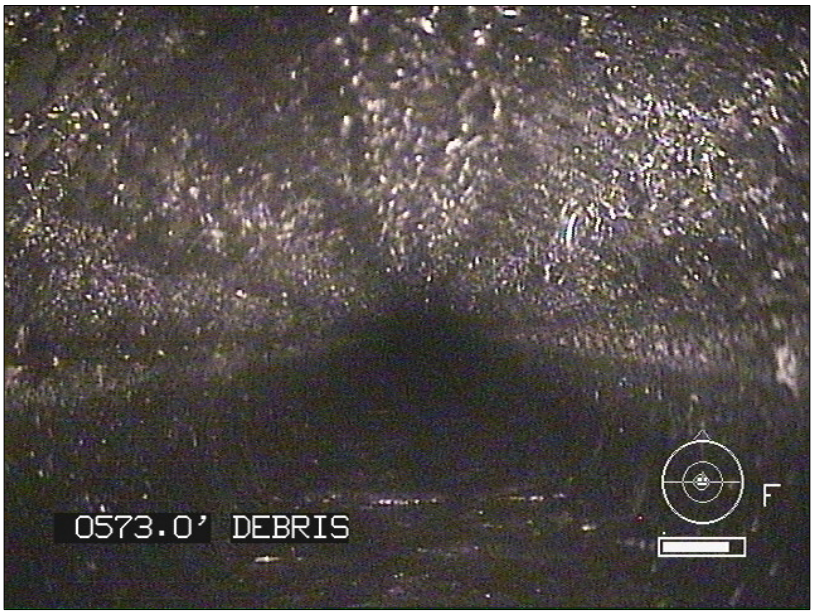


Photo: 3_4001730_03122008_A.JPG, VCR No.: 120208
573FT, Deposits Settled Other, 15 %of cross sectional area, from
05 to 07 o'clock, , within 8 inches of joint: NO, REMARK: debris, Start

R&R Visual
1828 W. Olson Rd.
Rochester, IN 46975
Tel: 574-223-5426
Fax: 574-223-7953
E-mail: msutton@rapidview.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
	1072 Deznia Dr.			**2**

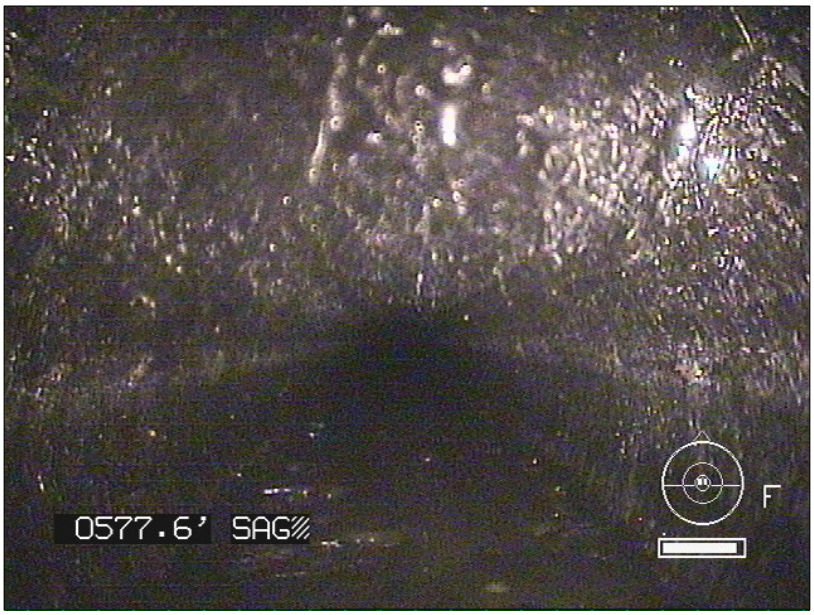


Photo: 3_4001948_03122008_A.JPG, VCR No.: 120208
577.1FT, Alignment Down, 20 %, Start

Photo: 3_4004813_03122008_A.JPG, VCR No.: 120208
589.8FT, Tap Factory Made, at 09 o'clock, 6", within 8 inches of joint: YES

R&R Visual
1828 W. Olson Rd.
Rochester, IN 46975
Tel: 574-223-5426
Fax: 574-223-7953
E-mail: msutton@rapidview.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
	1072 Deznia Dr.			**2**

Photo: 3_4005108_03122008_A.JPG, VCR No.: 120208
589.8FT, Tap Factory Made, at 03 o'clock, 6", within 8 inches of joint: YES

Photo: 3_4010531_03122008_A.JPG, VCR No.: 120208
589.8FT, Survey Abandoned, REMARK: Camera stopped on offset joint

City :

R&R Visual
1828 W. Olson Rd.
Rochester, IN 46975
Tel: 574-223-5426
Fax: 574-223-7953
E-mail: msutton@rapidview.com

Inspection Report / Inspection: 1

Date	P/O. No.	Weather	Surveyor's Name	Pipe Segment Reference	Section No.
12/3/2008		**Dry**	**Jeremy**		**3**
Certificate No.	**Survey Customer**	**System Owner**	**Date Cleaned**	**Pre-Cleaning**	**Sewer Category**
U-906-3746		**Holloman AFB**		**No Pre-Cleaning**	

Street123	**1072 Dezonia Dr.**	Use of Sewer	**Fuel line**	Upstream MH	**1**
City		Drainage Area		Dowstream MH	**2**
Loc. details		Flow Control	**Not Controlled**	Dir. of Survey	**Downstream**
Location Code	**Other**	Length surveyed	**210.60 ft**	Section Length	**210.60 ft**

Purpose of Survey	**Maintenance Related**	Joint Length	
Year Laid		Dia./Height	**6 inch**
Year Rehabilitated		Material	**Steel Pipe**
Tape / Media No.	**120208B**	Lining Method	

Add. Information :

1:540 Position		Observation	Photo
0.00		Upstream Manhole, Survey Begins, REMARK: 1	
2.00	**S1**	Deposits Settled Other, 5 %of cross sectional area, at 06 o'clock, , within 8 inches of joint: YES, REMARK: debris, Start	1_2025652_03122008_A.JPG
41.00		Tap Factory Made, at 03 o'clock, 6", within 8 inches of joint: YES	1_2032446_03122008_A.JPG
137.40	**F1**	Deposits Settled Other, 5 %of cross sectional area, at 06 o'clock, , within 8 inches of joint: YES, REMARK: , Finish	
141.10		Infiltration Stain, from 09 to 05 o'clock, within 8 inches of joint: YES	1_2032936_03122008_A.JPG
210.50	**F2**	Deposits Settled Other, 10 %of cross sectional area, from 04 to 08 o'clock, , within 8 inches of joint: NO, REMARK: , Finish	
210.50		Survey Abandoned, REMARK: Camera stopped on debris	1_2034729_03122008_A.JPG

QSR	QMR	SPR	MPR	OPR	SPRI	MPRI	OPRI
0000	**2E00**	**0**	**58**	**58**	**0**	**2**	**2**

R&R Visual
1828 W. Olson Rd.
Rochester, IN 46975
Tel: 574-223-5426
Fax: 574-223-7953
E-mail: msutton@rapidview.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
	1072 Dezonia Dr.			**3**

Photo: 1_2025652_03122008_A.JPG, VCR No.: 120208B
2FT, Deposits Settled Other, 5 %of cross sectional area, at 06 o'clock, , within 8 inches of joint: YES, REMARK: debris, Start

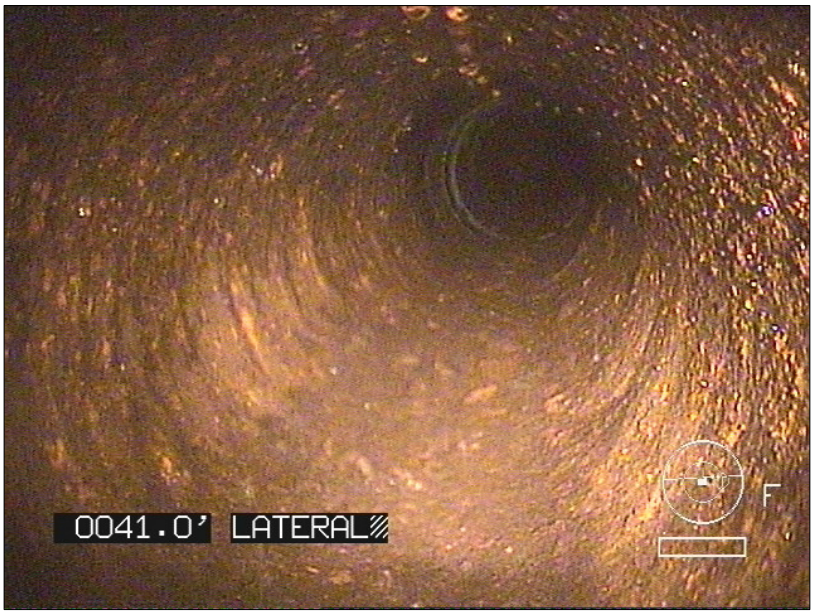


Photo: 1_2032446_03122008_A.JPG, VCR No.: 120208B
41FT, Tap Factory Made, at 03 o'clock, 6", within 8 inches of joint: YES

R&R Visual
1828 W. Olson Rd.
Rochester, IN 46975
Tel: 574-223-5426
Fax: 574-223-7953
E-mail: msutton@rapidview.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
	1072 Dezonia Dr.			**3**

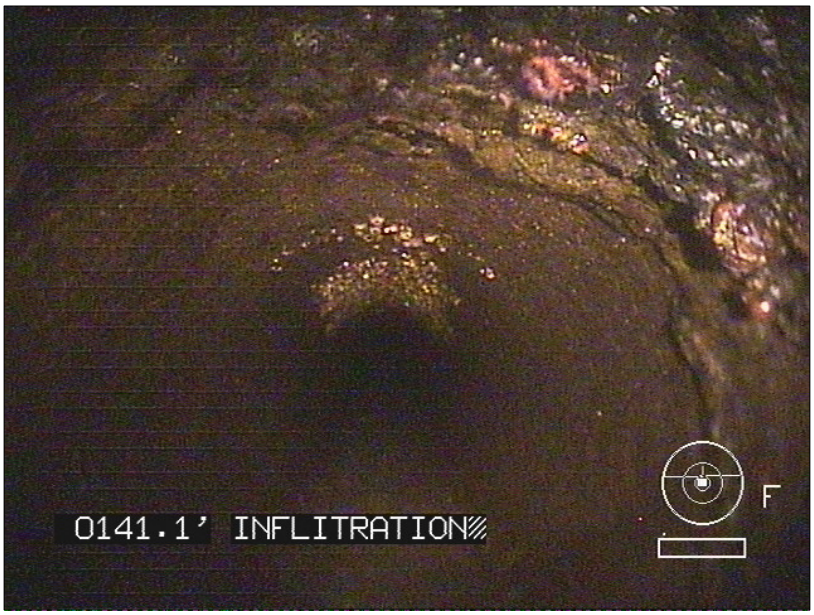


Photo: 1_2032936_03122008_A.JPG, VCR No.: 120208B
141.1FT, Infiltration Stain, from 09 to 05 o'clock, within 8 inches of joint: YES

Photo: 1_2034729_03122008_A.JPG, VCR No.: 120208B
210.5FT, Survey Abandoned, REMARK: Camera stopped on debris

R&R Visual
1828 W. Olson Rd.
Rochester, IN 46975
Tel: 574-223-5426
Fax: 574-223-7953
E-mail: msutton@rapidview.com

Inspection photos / Inspection: 1

City :	Street :	Date :	Pipe Segment Reference :	Section No :
	1072 Dezonia Dr.			**3**

Photo: 1_2033334_03122008_A.JPG, VCR No.: 120208B
210.6FT, Deposits Settled Other, 10 %of cross sectional area, from 04 to 08 o'clock, , within 8 inches of joint: NO, REMARK: debris, Start

Report of Analysis

Client Sample ID:	SS61-DP82-10		
Lab Sample ID:	F52038-5	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.4
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	370	82	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	370	75	ug/kg	
127-18-4	Tetrachloroethylene	ND	370	75	ug/kg	
108-88-3	Toluene	ND	370	75	ug/kg	
79-01-6	Trichloroethylene	ND	370	75	ug/kg	
75-69-4	Trichlorofluoromethane	ND	370	120	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	1900	370	ug/kg	
75-01-4	Vinyl chloride	ND	370	100	ug/kg	
108-05-4	Vinyl Acetate	ND	1900	370	ug/kg	
	m,p-Xylene	ND	750	82	ug/kg	
95-47-6	o-Xylene	ND	370	75	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		80-121%
2037-26-5	Toluene-D8	94%		71-130%
460-00-4	4-Bromofluorobenzene	98%		59-148%
17060-07-0	1,2-Dichloroethane-D4	112%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP82-10		
Lab Sample ID:	F52038-5	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	82.4
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R10584.D	1	09/13/07	NJ	09/06/07	OP22233	SR494
Run #2							

	Initial Weight	Final Volume
Run #1	29.8 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	1000	410	ug/kg	
95-57-8	2-Chlorophenol	ND	200	41	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	200	41	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	200	41	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	200	41	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1000	410	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	410	81	ug/kg	
95-48-7	2-Methylphenol	ND	200	41	ug/kg	
	3&4-Methylphenol	ND	200	41	ug/kg	
88-75-5	2-Nitrophenol	ND	200	41	ug/kg	
100-02-7	4-Nitrophenol	ND	1000	410	ug/kg	
87-86-5	Pentachlorophenol	ND	1000	410	ug/kg	
108-95-2	Phenol	ND	200	41	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	41	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	41	ug/kg	
83-32-9	Acenaphthene	ND	200	41	ug/kg	
208-96-8	Acenaphthylene	ND	200	41	ug/kg	
120-12-7	Anthracene	ND	200	41	ug/kg	
92-87-5	Benzidine	ND	2000	1000	ug/kg	
56-55-3	Benzo(a)anthracene	ND	200	41	ug/kg	
50-32-8	Benzo(a)pyrene	ND	200	41	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	200	41	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	200	41	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	200	41	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	200	41	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	410	100	ug/kg	
100-51-6	Benzyl Alcohol	ND	200	41	ug/kg	
91-58-7	2-Chloronaphthalene	ND	200	41	ug/kg	
106-47-8	4-Chloroaniline	ND	200	81	ug/kg	
218-01-9	Chrysene	ND	200	41	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	200	41	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	200	41	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP82-10		
Lab Sample ID:	F52038-5	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	82.4
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	200	41	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	200	41	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	200	41	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	200	41	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	200	41	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	200	41	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	200	41	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	410	81	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	200	41	ug/kg	
132-64-9	Dibenzofuran	ND	200	41	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	410	100	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	410	100	ug/kg	
84-66-2	Diethyl phthalate	ND	410	200	ug/kg	
131-11-3	Dimethyl phthalate	ND	410	100	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	410	200	ug/kg	
206-44-0	Fluoranthene	ND	200	41	ug/kg	
86-73-7	Fluorene	ND	200	41	ug/kg	
118-74-1	Hexachlorobenzene	ND	200	41	ug/kg	
87-68-3	Hexachlorobutadiene	ND	200	41	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	200	41	ug/kg	
67-72-1	Hexachloroethane	ND	200	41	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	200	41	ug/kg	
78-59-1	Isophorone	ND	200	41	ug/kg	
91-57-6	2-Methylnaphthalene	ND	200	41	ug/kg	
88-74-4	2-Nitroaniline	ND	410	81	ug/kg	
99-09-2	3-Nitroaniline	ND	410	81	ug/kg	
100-01-6	4-Nitroaniline	ND	410	81	ug/kg	
91-20-3	Naphthalene	106	200	41	ug/kg	J
98-95-3	Nitrobenzene	ND	200	41	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	200	41	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	41	ug/kg	
85-01-8	Phenanthrene	ND	200	41	ug/kg	
129-00-0	Pyrene	ND	200	41	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	200	41	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	72%		40-102%
4165-62-2	Phenol-d5	90%		41-100%
118-79-6	2,4,6-Tribromophenol	76%		42-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP82-10		
Lab Sample ID:	F52038-5	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	82.4
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	67%		40-105%
321-60-8	2-Fluorobiphenyl	65%		43-107%
1718-51-0	Terphenyl-d14	77%		45-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP82-10		
Lab Sample ID:	F52038-5	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	82.4
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV028404.D	1	08/29/07	MM	08/24/07 13:45	n/a	GUV1635
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.73 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	61.1	7.5	3.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	120% [a]		56-136%
460-00-4	4-Bromofluorobenzene	605% [b]		56-136%
98-08-8	aaa-Trifluorotoluene	116%		61-121%

(a) Result reported from PID.
(b) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP82-10		
Lab Sample ID:	F52038-5	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	82.4
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL18530.D	5	09/07/07	MG	09/06/07	OP22227	GLL658
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	282	51	30	mg/kg	
	TPH (> C22-C36)	ND	51	30	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	76%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP82-10		
Lab Sample ID:	F52038-5	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
		Percent Solids:	82.4
Project:	HOLMN		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	0.23 U	0.46	0.23	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]
Barium	34.5	12	0.29	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]
Cadmium	0.089 J	0.23	0.058	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]
Chromium	4.0	0.58	0.081	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]
Lead	39.4	5.8	0.14	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.012 U	0.096	0.012	mg/kg	1	08/29/07	08/29/07	LM	SW846 7471A [1]	SW846 7471A [3]
Selenium [a]	26 U	29	26	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]
Silver	0.081 U	0.58	0.081	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA5943
(2) Instrument QC Batch: MA5957
(3) Prep QC Batch: MP12839
(4) Prep QC Batch: MP12879

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-DP82-22		
Lab Sample ID:	F52038-6	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.3
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F023184.D	1	09/05/07	WJ	08/24/07 15:10	n/a	VF443
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.80 g	5.0 ml	5.0 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	63000	32000	ug/kg	
75-05-8	Acetonitrile	ND	63000	22000	ug/kg	
107-02-8	Acrolein	ND	32000	14000	ug/kg	
107-13-1	Acrylonitrile	ND	32000	10000	ug/kg	
107-05-1	Allyl chloride	ND	32000	6300	ug/kg	
71-43-2	Benzene	17800	6300	1300	ug/kg	
100-44-7	Benzyl Chloride	ND	6300	1300	ug/kg	
108-86-1	Bromobenzene	ND	6300	1300	ug/kg	
74-97-5	Bromochloromethane	ND	6300	1300	ug/kg	
75-27-4	Bromodichloromethane	ND	6300	1300	ug/kg	
75-25-2	Bromoform	ND	6300	1300	ug/kg	
104-51-8	n-Butylbenzene	ND	6300	1300	ug/kg	
135-98-8	sec-Butylbenzene	2560	6300	1400	ug/kg	J
98-06-6	tert-Butylbenzene	ND	6300	1500	ug/kg	
108-90-7	Chlorobenzene	ND	6300	1300	ug/kg	
75-00-3	Chloroethane	ND	6300	3300	ug/kg	
67-66-3	Chloroform	ND	6300	1300	ug/kg	
544-10-5	1-Chlorohexane	ND	6300	1300	ug/kg	
95-49-8	o-Chlorotoluene	ND	6300	1500	ug/kg	
106-43-4	p-Chlorotoluene	ND	6300	1400	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	32000	6300	ug/kg	
75-15-0	Carbon disulfide	ND	6300	1300	ug/kg	
56-23-5	Carbon tetrachloride	ND	6300	1600	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6300	1400	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6300	1300	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6300	1300	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6300	2800	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6300	1300	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6300	1300	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6300	1600	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6300	1300	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6300	1500	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP82-22		
Lab Sample ID:	F52038-6	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.3
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	6300	1300	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6300	2500	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6300	1300	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6300	1300	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	32000	6300	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6300	1300	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6300	1300	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6300	1300	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6300	1300	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6300	1300	ug/kg	
100-41-4	Ethylbenzene	29400	6300	1300	ug/kg	
97-63-2	Ethyl methacrylate	ND	32000	6300	ug/kg	
76-13-1	Freon 113	ND	6300	1600	ug/kg	
591-78-6	2-Hexanone	ND	32000	13000	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6300	2000	ug/kg	
110-54-3	Hexane	ND	6300	2300	ug/kg	
98-82-8	Isopropylbenzene	153000	6300	1300	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6300	1300	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	32000	13000	ug/kg	
126-98-7	Methacrylonitrile	ND	32000	6300	ug/kg	
74-83-9	Methyl bromide	ND	6300	2300	ug/kg	
74-87-3	Methyl chloride	ND	6300	2500	ug/kg	
74-88-4	Methyl iodide	ND	13000	2500	ug/kg	
80-62-6	Methyl methacrylate	ND	32000	6300	ug/kg	
74-95-3	Methylene bromide	ND	6300	1300	ug/kg	
75-09-2	Methylene chloride	ND	13000	6300	ug/kg	
78-93-3	Methyl ethyl ketone	ND	32000	13000	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6300	1300	ug/kg	
91-20-3	Naphthalene	ND	6300	2500	ug/kg	
76-01-7	Pentachloroethane	ND	32000	6300	ug/kg	
107-12-0	Propionitrile	ND	63000	13000	ug/kg	
103-65-1	n-Propylbenzene	5640	6300	1400	ug/kg	J
100-42-5	Styrene	ND	6300	1300	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6300	1300	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6300	1300	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6300	1600	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6300	1300	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6300	2500	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6300	2400	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6300	1400	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP82-22		
Lab Sample ID:	F52038-6	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.3
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	6300	1400	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6300	1300	ug/kg	
127-18-4	Tetrachloroethylene	ND	6300	1300	ug/kg	
108-88-3	Toluene	ND	6300	1300	ug/kg	
79-01-6	Trichloroethylene	ND	6300	1300	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6300	2000	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	32000	6300	ug/kg	
75-01-4	Vinyl chloride	ND	6300	1800	ug/kg	
108-05-4	Vinyl Acetate	ND	32000	6300	ug/kg	
	m,p-Xylene	ND	13000	1400	ug/kg	
95-47-6	o-Xylene	ND	6300	1300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		80-121%
2037-26-5	Toluene-D8	95%		71-130%
460-00-4	4-Bromofluorobenzene	101%		59-148%
17060-07-0	1,2-Dichloroethane-D4	120%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP82-22		
Lab Sample ID:	F52038-6	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	82.3
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R10565.D	1	09/13/07	NJ	09/06/07	OP22233	SR494
Run #2							

	Initial Weight	Final Volume
Run #1	29.5 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	1000	410	ug/kg	
95-57-8	2-Chlorophenol	ND	210	41	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	210	41	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	210	41	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	210	41	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1000	410	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	410	82	ug/kg	
95-48-7	2-Methylphenol	ND	210	41	ug/kg	
	3&4-Methylphenol	ND	210	41	ug/kg	
88-75-5	2-Nitrophenol	ND	210	41	ug/kg	
100-02-7	4-Nitrophenol	ND	1000	410	ug/kg	
87-86-5	Pentachlorophenol	ND	1000	410	ug/kg	
108-95-2	Phenol	317	210	41	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	210	41	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	210	41	ug/kg	
83-32-9	Acenaphthene	ND	210	41	ug/kg	
208-96-8	Acenaphthylene	ND	210	41	ug/kg	
120-12-7	Anthracene	ND	210	41	ug/kg	
92-87-5	Benzidine	ND	2100	1000	ug/kg	
56-55-3	Benzo(a)anthracene	ND	210	41	ug/kg	
50-32-8	Benzo(a)pyrene	ND	210	41	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	210	41	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	210	41	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	210	41	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	210	41	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	410	100	ug/kg	
100-51-6	Benzyl Alcohol	ND	210	41	ug/kg	
91-58-7	2-Chloronaphthalene	ND	210	41	ug/kg	
106-47-8	4-Chloroaniline	ND	210	82	ug/kg	
218-01-9	Chrysene	ND	210	41	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	210	41	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	210	41	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP82-22		
Lab Sample ID:	F52038-6	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	82.3
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	210	41	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	210	41	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	210	41	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	210	41	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	210	41	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	210	41	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	210	41	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	410	82	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	210	41	ug/kg	
132-64-9	Dibenzofuran	ND	210	41	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	410	100	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	410	100	ug/kg	
84-66-2	Diethyl phthalate	ND	410	210	ug/kg	
131-11-3	Dimethyl phthalate	ND	410	100	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	410	210	ug/kg	
206-44-0	Fluoranthene	ND	210	41	ug/kg	
86-73-7	Fluorene	ND	210	41	ug/kg	
118-74-1	Hexachlorobenzene	ND	210	41	ug/kg	
87-68-3	Hexachlorobutadiene	ND	210	41	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	210	41	ug/kg	
67-72-1	Hexachloroethane	ND	210	41	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	210	41	ug/kg	
78-59-1	Isophorone	ND	210	41	ug/kg	
91-57-6	2-Methylnaphthalene	ND	210	41	ug/kg	
88-74-4	2-Nitroaniline	ND	410	82	ug/kg	
99-09-2	3-Nitroaniline	ND	410	82	ug/kg	
100-01-6	4-Nitroaniline	ND	410	82	ug/kg	
91-20-3	Naphthalene	ND	210	41	ug/kg	
98-95-3	Nitrobenzene	ND	210	41	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	210	41	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	210	41	ug/kg	
85-01-8	Phenanthrene	ND	210	41	ug/kg	
129-00-0	Pyrene	ND	210	41	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	210	41	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	77%		40-102%
4165-62-2	Phenol-d5	92%		41-100%
118-79-6	2,4,6-Tribromophenol	78%		42-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP82-22		
Lab Sample ID:	F52038-6	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	82.3
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	72%		40-105%
321-60-8	2-Fluorobiphenyl	72%		43-107%
1718-51-0	Terphenyl-d14	82%		45-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP82-22		
Lab Sample ID:	F52038-6	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	82.3
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV028394.D	10	08/29/07	MM	08/24/07 15:10	n/a	GUV1635
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.80 g	5.0 ml	5.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	3450	1300	630	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	111%		56-136%
98-08-8	aaa-Trifluorotoluene	95%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP82-22		
Lab Sample ID:	F52038-6	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	82.3
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL18545.D	1	09/10/07	MG	09/06/07	OP22227	GLL659
Run #2							

	Initial Weight	Final Volume
Run #1	29.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	8.89	10	6.2	mg/kg	J
	TPH (> C22-C36)	ND	10	6.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	75%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP82-22		
Lab Sample ID:	F52038-6	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
		Percent Solids:	82.3
Project:	HOLMN		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	1.4	0.47	0.23	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]
Barium	40.5	12	0.29	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]
Cadmium	0.21 J	0.24	0.059	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]
Chromium	6.9	0.59	0.083	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]
Lead	15.7	5.9	0.14	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.012 U	0.10	0.012	mg/kg	1	08/29/07	08/29/07	LM	SW846 7471A [1]	SW846 7471A [3]
Selenium [a]	27 U	30	27	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]
Silver	0.083 U	0.59	0.083	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA5943
(2) Instrument QC Batch: MA5957
(3) Prep QC Batch: MP12839
(4) Prep QC Batch: MP12879

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-DP83-15		
Lab Sample ID:	F52038-7	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.3
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F023161.D	1	09/04/07	WJ	08/24/07 15:10	n/a	VF442
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.57 g	5.0 ml	10.0 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	31000	15000	ug/kg	
75-05-8	Acetonitrile	ND	31000	10000	ug/kg	
107-02-8	Acrolein	ND	15000	6700	ug/kg	
107-13-1	Acrylonitrile	ND	15000	4800	ug/kg	
107-05-1	Allyl chloride	ND	15000	3100	ug/kg	
71-43-2	Benzene	11800	3100	610	ug/kg	
100-44-7	Benzyl Chloride	ND	3100	610	ug/kg	
108-86-1	Bromobenzene	ND	3100	610	ug/kg	
74-97-5	Bromochloromethane	ND	3100	610	ug/kg	
75-27-4	Bromodichloromethane	ND	3100	610	ug/kg	
75-25-2	Bromoform	ND	3100	610	ug/kg	
104-51-8	n-Butylbenzene	ND	3100	610	ug/kg	
135-98-8	sec-Butylbenzene	ND	3100	670	ug/kg	
98-06-6	tert-Butylbenzene	ND	3100	730	ug/kg	
108-90-7	Chlorobenzene	ND	3100	610	ug/kg	
75-00-3	Chloroethane	ND	3100	1600	ug/kg	
67-66-3	Chloroform	ND	3100	610	ug/kg	
544-10-5	1-Chlorohexane	ND	3100	610	ug/kg	
95-49-8	o-Chlorotoluene	ND	3100	730	ug/kg	
106-43-4	p-Chlorotoluene	ND	3100	670	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	15000	3100	ug/kg	
75-15-0	Carbon disulfide	ND	3100	610	ug/kg	
56-23-5	Carbon tetrachloride	ND	3100	800	ug/kg	
75-34-3	1,1-Dichloroethane	ND	3100	670	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	3100	610	ug/kg	
563-58-6	1,1-Dichloropropene	ND	3100	610	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	3100	1300	ug/kg	
106-93-4	1,2-Dibromoethane	ND	3100	610	ug/kg	
107-06-2	1,2-Dichloroethane	ND	3100	610	ug/kg	
78-87-5	1,2-Dichloropropane	ND	3100	800	ug/kg	
142-28-9	1,3-Dichloropropane	ND	3100	610	ug/kg	
594-20-7	2,2-Dichloropropane	ND	3100	730	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP83-15		
Lab Sample ID:	F52038-7	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.3
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	3100	610	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	3100	1200	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	3100	610	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3100	610	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	15000	3100	ug/kg	
541-73-1	m-Dichlorobenzene	ND	3100	610	ug/kg	
95-50-1	o-Dichlorobenzene	ND	3100	610	ug/kg	
106-46-7	p-Dichlorobenzene	ND	3100	610	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	3100	610	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3100	610	ug/kg	
100-41-4	Ethylbenzene	56200	3100	610	ug/kg	
97-63-2	Ethyl methacrylate	ND	15000	3100	ug/kg	
76-13-1	Freon 113	ND	3100	800	ug/kg	
591-78-6	2-Hexanone	ND	15000	6100	ug/kg	
87-68-3	Hexachlorobutadiene	ND	3100	980	ug/kg	
110-54-3	Hexane	ND	3100	1100	ug/kg	
98-82-8	Isopropylbenzene	78200	3100	610	ug/kg	
99-87-6	p-Isopropyltoluene	ND	3100	610	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	15000	6100	ug/kg	
126-98-7	Methacrylonitrile	ND	15000	3100	ug/kg	
74-83-9	Methyl bromide	ND	3100	1100	ug/kg	
74-87-3	Methyl chloride	ND	3100	1200	ug/kg	
74-88-4	Methyl iodide	ND	6100	1200	ug/kg	
80-62-6	Methyl methacrylate	ND	15000	3100	ug/kg	
74-95-3	Methylene bromide	ND	3100	610	ug/kg	
75-09-2	Methylene chloride	ND	6100	3100	ug/kg	
78-93-3	Methyl ethyl ketone	ND	15000	6100	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	3100	610	ug/kg	
91-20-3	Naphthalene	ND	3100	1200	ug/kg	
76-01-7	Pentachloroethane	ND	15000	3100	ug/kg	
107-12-0	Propionitrile	ND	31000	6100	ug/kg	
103-65-1	n-Propylbenzene	12100	3100	670	ug/kg	
100-42-5	Styrene	ND	3100	610	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	3100	610	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	3100	610	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3100	800	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	3100	610	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	3100	1200	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	3100	1200	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	3100	670	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP83-15		
Lab Sample ID:	F52038-7	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	85.3
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	3100	670	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	3100	610	ug/kg	
127-18-4	Tetrachloroethylene	ND	3100	610	ug/kg	
108-88-3	Toluene	ND	3100	610	ug/kg	
79-01-6	Trichloroethylene	ND	3100	610	ug/kg	
75-69-4	Trichlorofluoromethane	ND	3100	980	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	15000	3100	ug/kg	
75-01-4	Vinyl chloride	ND	3100	860	ug/kg	
108-05-4	Vinyl Acetate	ND	15000	3100	ug/kg	
	m,p-Xylene	2930	6100	670	ug/kg	J
95-47-6	o-Xylene	ND	3100	610	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-121%
2037-26-5	Toluene-D8	100%		71-130%
460-00-4	4-Bromofluorobenzene	100%		59-148%
17060-07-0	1,2-Dichloroethane-D4	97%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP83-15		
Lab Sample ID:	F52038-7	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	85.3
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R10585.D	1	09/13/07	NJ	09/06/07	OP22233	SR494
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	960	380	ug/kg	
95-57-8	2-Chlorophenol	ND	190	38	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	38	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	38	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	38	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	960	380	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	380	77	ug/kg	
95-48-7	2-Methylphenol	ND	190	38	ug/kg	
	3&4-Methylphenol	ND	190	38	ug/kg	
88-75-5	2-Nitrophenol	ND	190	38	ug/kg	
100-02-7	4-Nitrophenol	ND	960	380	ug/kg	
87-86-5	Pentachlorophenol	ND	960	380	ug/kg	
108-95-2	Phenol	77.7	190	38	ug/kg	J
95-95-4	2,4,5-Trichlorophenol	ND	190	38	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	38	ug/kg	
83-32-9	Acenaphthene	ND	190	38	ug/kg	
208-96-8	Acenaphthylene	ND	190	38	ug/kg	
120-12-7	Anthracene	ND	190	38	ug/kg	
92-87-5	Benzidine	ND	1900	960	ug/kg	
56-55-3	Benzo(a)anthracene	ND	190	38	ug/kg	
50-32-8	Benzo(a)pyrene	ND	190	38	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	190	38	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	190	38	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	190	38	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	190	38	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	380	96	ug/kg	
100-51-6	Benzyl Alcohol	ND	190	38	ug/kg	
91-58-7	2-Chloronaphthalene	ND	190	38	ug/kg	
106-47-8	4-Chloroaniline	ND	190	77	ug/kg	
218-01-9	Chrysene	ND	190	38	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	190	38	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	190	38	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP83-15		
Lab Sample ID:	F52038-7	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	85.3
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	190	38	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	190	38	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	190	38	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	190	38	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	190	38	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	190	38	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	190	38	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	380	77	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	190	38	ug/kg	
132-64-9	Dibenzofuran	ND	190	38	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	380	96	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	380	96	ug/kg	
84-66-2	Diethyl phthalate	ND	380	190	ug/kg	
131-11-3	Dimethyl phthalate	ND	380	96	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	380	190	ug/kg	
206-44-0	Fluoranthene	ND	190	38	ug/kg	
86-73-7	Fluorene	ND	190	38	ug/kg	
118-74-1	Hexachlorobenzene	ND	190	38	ug/kg	
87-68-3	Hexachlorobutadiene	ND	190	38	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	190	38	ug/kg	
67-72-1	Hexachloroethane	ND	190	38	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	190	38	ug/kg	
78-59-1	Isophorone	ND	190	38	ug/kg	
91-57-6	2-Methylnaphthalene	ND	190	38	ug/kg	
88-74-4	2-Nitroaniline	ND	380	77	ug/kg	
99-09-2	3-Nitroaniline	ND	380	77	ug/kg	
100-01-6	4-Nitroaniline	ND	380	77	ug/kg	
91-20-3	Naphthalene	ND	190	38	ug/kg	
98-95-3	Nitrobenzene	ND	190	38	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	190	38	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	38	ug/kg	
85-01-8	Phenanthrene	ND	190	38	ug/kg	
129-00-0	Pyrene	ND	190	38	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	190	38	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	76%		40-102%
4165-62-2	Phenol-d5	88%		41-100%
118-79-6	2,4,6-Tribromophenol	78%		42-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP83-15		
Lab Sample ID:	F52038-7	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	85.3
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	73%		40-105%
321-60-8	2-Fluorobiphenyl	72%		43-107%
1718-51-0	Terphenyl-d14	81%		45-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP83-15		
Lab Sample ID:	F52038-7	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	85.3
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV028395.D	10	08/29/07	MM	08/24/07 15:10	n/a	GUV1635
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.57 g	5.0 ml	5.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	5470	1200	610	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	102%		56-136%
98-08-8	aaa-Trifluorotoluene	103%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP83-15		
Lab Sample ID:	F52038-7	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	85.3
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL18546.D	1	09/10/07	MG	09/06/07	OP22227	GLL659
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	17.5	9.6	5.8	mg/kg	
	TPH (> C22-C36)	6.13	9.6	5.8	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	75%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP83-15		
Lab Sample ID:	F52038-7	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
		Percent Solids:	85.3
Project:	HOLMN		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	1.4	0.45	0.22	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]
Barium	55.9	11	0.28	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]
Cadmium	0.37	0.23	0.056	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]
Chromium	8.2	0.56	0.079	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]
Lead	35.3	5.6	0.14	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.011 U	0.092	0.011	mg/kg	1	08/29/07	08/29/07	LM	SW846 7471A [1]	SW846 7471A [3]
Selenium [a]	13 U	22	13	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]
Silver	0.079 U	0.56	0.079	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA5943
(2) Instrument QC Batch: MA5957
(3) Prep QC Batch: MP12839
(4) Prep QC Batch: MP12879

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	SS61-DP83-22		
Lab Sample ID:	F52038-8	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	79.6
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F023185.D	1	09/05/07	WJ	08/24/07 15:10	n/a	VF443
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.57 g	5.0 ml	2.0 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	170000	87000	ug/kg	
75-05-8	Acetonitrile	ND	170000	59000	ug/kg	
107-02-8	Acrolein	ND	87000	38000	ug/kg	
107-13-1	Acrylonitrile	ND	87000	27000	ug/kg	
107-05-1	Allyl chloride	ND	87000	17000	ug/kg	
71-43-2	Benzene	26700	17000	3500	ug/kg	
100-44-7	Benzyl Chloride	ND	17000	3500	ug/kg	
108-86-1	Bromobenzene	ND	17000	3500	ug/kg	
74-97-5	Bromochloromethane	ND	17000	3500	ug/kg	
75-27-4	Bromodichloromethane	ND	17000	3500	ug/kg	
75-25-2	Bromoform	ND	17000	3500	ug/kg	
104-51-8	n-Butylbenzene	ND	17000	3500	ug/kg	
135-98-8	sec-Butylbenzene	ND	17000	3800	ug/kg	
98-06-6	tert-Butylbenzene	ND	17000	4200	ug/kg	
108-90-7	Chlorobenzene	ND	17000	3500	ug/kg	
75-00-3	Chloroethane	ND	17000	9000	ug/kg	
67-66-3	Chloroform	ND	17000	3500	ug/kg	
544-10-5	1-Chlorohexane	ND	17000	3500	ug/kg	
95-49-8	o-Chlorotoluene	ND	17000	4200	ug/kg	
106-43-4	p-Chlorotoluene	ND	17000	3800	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	87000	17000	ug/kg	
75-15-0	Carbon disulfide	ND	17000	3500	ug/kg	
56-23-5	Carbon tetrachloride	ND	17000	4500	ug/kg	
75-34-3	1,1-Dichloroethane	ND	17000	3800	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	17000	3500	ug/kg	
563-58-6	1,1-Dichloropropene	ND	17000	3500	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	17000	7600	ug/kg	
106-93-4	1,2-Dibromoethane	ND	17000	3500	ug/kg	
107-06-2	1,2-Dichloroethane	ND	17000	3500	ug/kg	
78-87-5	1,2-Dichloropropane	ND	17000	4500	ug/kg	
142-28-9	1,3-Dichloropropane	ND	17000	3500	ug/kg	
594-20-7	2,2-Dichloropropane	ND	17000	4200	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP83-22		
Lab Sample ID:	F52038-8	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	79.6
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	17000	3500	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	17000	6900	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	17000	3500	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	17000	3500	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	87000	17000	ug/kg	
541-73-1	m-Dichlorobenzene	ND	17000	3500	ug/kg	
95-50-1	o-Dichlorobenzene	ND	17000	3500	ug/kg	
106-46-7	p-Dichlorobenzene	ND	17000	3500	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	17000	3500	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	17000	3500	ug/kg	
100-41-4	Ethylbenzene	54700	17000	3500	ug/kg	
97-63-2	Ethyl methacrylate	ND	87000	17000	ug/kg	
76-13-1	Freon 113	ND	17000	4500	ug/kg	
591-78-6	2-Hexanone	ND	87000	35000	ug/kg	
87-68-3	Hexachlorobutadiene	ND	17000	5500	ug/kg	
110-54-3	Hexane	53300	17000	6200	ug/kg	
98-82-8	Isopropylbenzene	307000	17000	3500	ug/kg	
99-87-6	p-Isopropyltoluene	ND	17000	3500	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	87000	35000	ug/kg	
126-98-7	Methacrylonitrile	ND	87000	17000	ug/kg	
74-83-9	Methyl bromide	ND	17000	6200	ug/kg	
74-87-3	Methyl chloride	ND	17000	6900	ug/kg	
74-88-4	Methyl iodide	ND	35000	6900	ug/kg	
80-62-6	Methyl methacrylate	ND	87000	17000	ug/kg	
74-95-3	Methylene bromide	ND	17000	3500	ug/kg	
75-09-2	Methylene chloride	ND	35000	17000	ug/kg	
78-93-3	Methyl ethyl ketone	ND	87000	35000	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	17000	3500	ug/kg	
91-20-3	Naphthalene	ND	17000	6900	ug/kg	
76-01-7	Pentachloroethane	ND	87000	17000	ug/kg	
107-12-0	Propionitrile	ND	170000	35000	ug/kg	
103-65-1	n-Propylbenzene	9400	17000	3800	ug/kg	J
100-42-5	Styrene	ND	17000	3500	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	17000	3500	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	17000	3500	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	17000	4500	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	17000	3500	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	17000	6900	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	17000	6600	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	17000	3800	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP83-22		
Lab Sample ID:	F52038-8	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	79.6
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	23400	17000	3800	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	10900	17000	3500	ug/kg	J
127-18-4	Tetrachloroethylene	ND	17000	3500	ug/kg	
108-88-3	Toluene	13000	17000	3500	ug/kg	J
79-01-6	Trichloroethylene	ND	17000	3500	ug/kg	
75-69-4	Trichlorofluoromethane	ND	17000	5500	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	87000	17000	ug/kg	
75-01-4	Vinyl chloride	ND	17000	4800	ug/kg	
108-05-4	Vinyl Acetate	ND	87000	17000	ug/kg	
	m,p-Xylene	28200	35000	3800	ug/kg	J
95-47-6	o-Xylene	63100	17000	3500	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		80-121%
2037-26-5	Toluene-D8	95%		71-130%
460-00-4	4-Bromofluorobenzene	100%		59-148%
17060-07-0	1,2-Dichloroethane-D4	119%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP83-22		
Lab Sample ID:	F52038-8	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	79.6
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R10586.D	1	09/13/07	NJ	09/06/07	OP22233	SR494
Run #2							

	Initial Weight	Final Volume
Run #1	29.8 g	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	1100	420	ug/kg	
95-57-8	2-Chlorophenol	ND	210	42	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	210	42	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	210	42	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	210	42	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1100	420	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	420	84	ug/kg	
95-48-7	2-Methylphenol	ND	210	42	ug/kg	
	3&4-Methylphenol	ND	210	42	ug/kg	
88-75-5	2-Nitrophenol	ND	210	42	ug/kg	
100-02-7	4-Nitrophenol	ND	1100	420	ug/kg	
87-86-5	Pentachlorophenol	ND	1100	420	ug/kg	
108-95-2	Phenol	214	210	42	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	210	42	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	210	42	ug/kg	
83-32-9	Acenaphthene	ND	210	42	ug/kg	
208-96-8	Acenaphthylene	ND	210	42	ug/kg	
120-12-7	Anthracene	ND	210	42	ug/kg	
92-87-5	Benzidine	ND	2100	1100	ug/kg	
56-55-3	Benzo(a)anthracene	ND	210	42	ug/kg	
50-32-8	Benzo(a)pyrene	ND	210	42	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	210	42	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	210	42	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	210	42	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	210	42	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	420	110	ug/kg	
100-51-6	Benzyl Alcohol	ND	210	42	ug/kg	
91-58-7	2-Chloronaphthalene	ND	210	42	ug/kg	
106-47-8	4-Chloroaniline	ND	210	84	ug/kg	
218-01-9	Chrysene	ND	210	42	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	210	42	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	210	42	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP83-22		
Lab Sample ID:	F52038-8	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	79.6
Project:	HOLMN		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	210	42	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	210	42	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	210	42	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	210	42	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	210	42	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	210	42	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	210	42	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	420	84	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	210	42	ug/kg	
132-64-9	Dibenzofuran	ND	210	42	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	420	110	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	420	110	ug/kg	
84-66-2	Diethyl phthalate	ND	420	210	ug/kg	
131-11-3	Dimethyl phthalate	ND	420	110	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	420	210	ug/kg	
206-44-0	Fluoranthene	ND	210	42	ug/kg	
86-73-7	Fluorene	ND	210	42	ug/kg	
118-74-1	Hexachlorobenzene	ND	210	42	ug/kg	
87-68-3	Hexachlorobutadiene	ND	210	42	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	210	42	ug/kg	
67-72-1	Hexachloroethane	ND	210	42	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	210	42	ug/kg	
78-59-1	Isophorone	ND	210	42	ug/kg	
91-57-6	2-Methylnaphthalene	ND	210	42	ug/kg	
88-74-4	2-Nitroaniline	ND	420	84	ug/kg	
99-09-2	3-Nitroaniline	ND	420	84	ug/kg	
100-01-6	4-Nitroaniline	ND	420	84	ug/kg	
91-20-3	Naphthalene	50.9	210	42	ug/kg	J
98-95-3	Nitrobenzene	ND	210	42	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	210	42	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	210	42	ug/kg	
85-01-8	Phenanthrene	ND	210	42	ug/kg	
129-00-0	Pyrene	ND	210	42	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	210	42	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	75%		40-102%
4165-62-2	Phenol-d5	89%		41-100%
118-79-6	2,4,6-Tribromophenol	76%		42-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP83-22		
Lab Sample ID:	F52038-8	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	79.6
Project:	HOLMN		

ABN Special List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	72%		40-105%
321-60-8	2-Fluorobiphenyl	70%		43-107%
1718-51-0	Terphenyl-d14	80%		45-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP83-22		
Lab Sample ID:	F52038-8	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	79.6
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV028396.D	1	08/29/07	MM	08/24/07 15:10	n/a	GUV1635
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.95 g	5.0 ml	10.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	249	66	33	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%		56-136%
98-08-8	aaa-Trifluorotoluene	96%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP83-22		
Lab Sample ID:	F52038-8	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8015 M SW846 3550B	**Percent Solids:**	79.6
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL18547.D	1	09/10/07	MG	09/06/07	OP22227	GLL659
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C22)	ND	10	6.2	mg/kg	
	TPH (> C22-C36)	ND	10	6.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		49-108%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SS61-DP83-22
Lab Sample ID: F52038-8
Matrix: SO - Soil
Project: HOLMN

Date Sampled: 08/23/07
Date Received: 08/24/07
Percent Solids: 79.6

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.2	0.48	0.24	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]
Barium	111	12	0.30	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]
Cadmium	0.35	0.24	0.060	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]
Chromium	10.2	0.60	0.085	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]
Lead	16.9	6.0	0.14	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]
Mercury	0.013 J	0.097	0.012	mg/kg	1	08/29/07	08/29/07	LM	SW846 7471A [1]	SW846 7471A [3]
Selenium [a]	14 U	24	14	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]
Silver	0.085 U	0.60	0.085	mg/kg	1	09/06/07	09/07/07	RS	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA5943
(2) Instrument QC Batch: MA5957
(3) Prep QC Batch: MP12839
(4) Prep QC Batch: MP12879

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	08232007-TB		
Lab Sample ID:	F52038-9	**Date Sampled:**	08/23/07
Matrix:	SO - Trip Blank Soil	**Date Received:**	08/24/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F023150.D	1	09/04/07	WJ	n/a	n/a	VF442
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	17	ug/kg	
107-02-8	Acrolein	ND	25	11	ug/kg	
107-13-1	Acrylonitrile	ND	25	7.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.0	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.0	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.0	ug/kg	
75-25-2	Bromoform	ND	5.0	1.0	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.6	ug/kg	
67-66-3	Chloroform	ND	5.0	1.0	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	5.0	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	1.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.2	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.3	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	1.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	08232007-TB		
Lab Sample ID:	F52038-9	**Date Sampled:**	08/23/07
Matrix:	SO - Trip Blank Soil	**Date Received:**	08/24/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	1.3	ug/kg	
591-78-6	2-Hexanone	ND	25	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.6	ug/kg	
110-54-3	Hexane	ND	5.0	1.8	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	10	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.0	ug/kg	
74-83-9	Methyl bromide	ND	5.0	1.8	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.0	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.0	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	10	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.1	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.3	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	08232007-TB		
Lab Sample ID:	F52038-9	**Date Sampled:**	08/23/07
Matrix:	SO - Trip Blank Soil	**Date Received:**	08/24/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.0	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	1.6	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	1.4	ug/kg	
108-05-4	Vinyl Acetate	ND	25	5.0	ug/kg	
	m,p-Xylene	ND	10	1.1	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-121%
2037-26-5	Toluene-D8	96%		71-130%
460-00-4	4-Bromofluorobenzene	95%		59-148%
17060-07-0	1,2-Dichloroethane-D4	97%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

Parameter Certification Exceptions

Job Number: F52038
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

The following parameters included in this report are exceptions to NELAC certification.
The certification status of each is indicated below.

Parameter	CAS#	Method	Mat	Certification Status
Freon 113	76-13-1	**SW846 8260B**	SO	Certified by SOP MS005

LACKS NOW

F52038

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

Page 1 of 1

9050361 01.02

P.O. _____

Chain of Custody Number [1]: 08232007-01

LIMS Number: _____

Facility/Base I.D.: Holloman Air Force Base, New Mexico

Project Name / Site Name: SS61 Soil Boring Sampling

Client Name: USACE

Collected by: Z. Beck, K. Thompson, C. McGriff

	Field Sample ID (20 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOCs 8260B	TPH - 8015 - GRO,DRO,ORO	SVOCs - 8270	RCRA Metals - HMS						Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
1	SS61-DP80-10		23-AUG-2007	900	8 - 10	N		SO	5													C
2	SS61-DP80-20		23-AUG-2007	9158	18 - 20	N		SO	5													C
3	SS61-DP81-15		23-AUG-2007	1015	13 - 15	N		SO	5													C
4	SS61-DP81-22		23-AUG-2007	1030	20 - 22	N		SO	5													C
5	SS61-DP82-10		23-AUG-2007	1110	8 - 10	N		SO	5													C
6	SS61-DP82-22		23-AUG-2007	1120	20 - 22	N		SO	5													C
7	SS61-DP83-15		23-AUG-2007	1205	13 - 15	N		SO	5													C
8	SS61-DP83-22		23-AUG-2007	1215	20 - 22	N		SO	5													C
9	08232007-TB		23-AUG-2007		-	TB		WQ	2												08232007-TB	C

Sample Analysis Requested [5] | Quality Assurance Samples [6]

COMMENTS: _____

Custody Transfer Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1.		23-AUG-2007 FX	1500		FX	
2.				J. Conroe	8-24-07	09:00
3.						

5

Delivered Directly to Lab: _____ Shipped No.: _____

Method of Shipment: _____ Airbill Number: _____

Analytical Lab: _____ Delivery Location: _____

Lab Recipient: _____ Delivery Date/Time: _____

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-t) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, If sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SB = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 101099001 in the Equipment Blank Lot Control

2.6

4.2 4

F52038: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F52038 09:30 CLIENT: BHATE PROJECT: SS 61 Soil Boring Sampling

DATE/TIME RECEIVED: 8-24-07 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.6

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: _____

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [X] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 32

NUMBER OF 5035 FIELD KITS ? 0

NUMBER OR LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS: _____

TECHNICIAN SIGNATURE/DATE JC 8-24-07 TECHNICIAN SIGNATURE/DATE _____ ASBD 10/03/06

4.2 4

F52038: Chain of Custody
Page 2 of 2

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

10/29/08

Technical Report for

Bhate Environmental Associates, Inc.

HOLMN

PROJECT # 9050361 01.02

Accutest Job Number: F52039

Sampling Date: 08/22/07

Report to:

Bhate Environmental Associates, Inc.

zbeck@bhate.com

ATTN: Zack Beck

Total number of pages in report: **71**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Sections: 1 2 3 4 5 6

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F52039-1: SS61-DP77-12.5 7
3.2: F52039-2: SS61-DP77-25 11
3.3: F52039-3: SS61-DP78-12.5 15
3.4: F52039-4: SS61-DP78-25 19
3.5: F52039-5: SS61-DP79-12.5 23
3.6: F52039-6: SS61-DP79-25 27
3.7: F52039-7: 08222007-TB2 31
Section 4: Misc. Forms **34**
4.1: Chain of Custody 35
Section 5: GC/MS Volatiles - QC Data Summaries **37**
5.1: Method Blank Summary 38
5.2: Blank Spike Summary 47
5.3: Matrix Spike/Matrix Spike Duplicate Summary 56
Section 6: GC Volatiles - QC Data Summaries **65**
6.1: Method Blank Summary 66
6.2: Blank Spike Summary 68
6.3: Matrix Spike/Matrix Spike Duplicate Summary 70

Sample Summary

Bhate Environmental Associates, Inc.

Job No: F52039

HOLMN
Project No: PROJECT # 9050361 01.02

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F52039-1	08/22/07	13:50	CM	08/24/07	SO	Soil	SS61-DP77-12.5
F52039-2	08/22/07	13:55	CM	08/24/07	SO	Soil	SS61-DP77-25
F52039-3	08/22/07	15:10	CM	08/24/07	SO	Soil	SS61-DP78-12.5
F52039-4	08/22/07	15:15	CM	08/24/07	SO	Soil	SS61-DP78-25
F52039-5	08/22/07	16:25	CM	08/24/07	SO	Soil	SS61-DP79-12.5
F52039-6	08/22/07	16:15	CM	08/24/07	SO	Soil	SS61-DP79-25
F52039-7	08/22/07	00:00	CM	08/24/07	SO	Trip Blank Soil	08222007-TB2

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Bhate Environmental Associates, Inc. **Job No:** F52039

Site: HOLMN **Report Date** 9/11/2007 12:52:45

6 Samples, 1 Trip Blank were collected on 08/22/2007 and received at Accutest on 08/24/2007 properly preserved, at 2.8 Deg. C and intact. These Samples received an Accutest job number of F52039. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VF442

All samples were analyzed within the recommended method holding time.

Sample(s) F52031-2MS, F52031-2MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Matrix Spike Recovery(s) for 1,1,2,2-Tetrachloroethane, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromo-3-chloropropane, Acetone, Benzyl Chloride, cis-1,4-Dichloro-2-Butene, Hexachlorobutadiene, Hexane, m-Dichlorobenzene, Methacrylonitrile, Methyl ethyl ketone, n-Butylbenzene, Naphthalene, o-Dichlorobenzene, p-Isopropyltoluene, Pentachloroethane, Propionitrile, Tetrachloroethylene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, Acetone, Benzyl Chloride, cis-1,4-Dichloro-2-Butene, Hexachlorobutadiene, Hexane, Isopropylbenzene, m-Dichlorobenzene, Methacrylonitrile, Methyl ethyl ketone, Methyl methacrylate, n-Butylbenzene, Naphthalene, o-Dichlorobenzene, p-Dichlorobenzene, p-Isopropyltoluene, Pentachloroethane, Propionitrile, tert-Butylbenzene, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference. For method performance in clean matrix refer to Blank Spike.

RPD(s) for MSD for 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, Acrolein, Benzyl Chloride, cis-1,4-Dichloro-2-Butene, Hexachlorobutadiene, Methyl methacrylate, n-Butylbenzene, Naphthalene, Trans-1,4-Dichloro-2-Butene, Vinyl Acetate are outside control limits for sample F52031-2MSD. Probable cause due to sample homogeneity.

Sample(s) F52031-2MSD, F52039-1, F52031-2MS have surrogates outside control limits. Probable cause due to matrix interference.

F52031-2MS for 4-Bromofluorobenzene: Outside control limits due to matrix interference. Confirmed by reanalysis.

Matrix: SO **Batch ID:** VF443

Sample(s) F52038-5MS, F52038-5MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

The following samples were run outside of holding time for method SW846 8260B: F52039-2, F52039-3, F52039-4, F52039-5

Blank Spike Recovery(s) for 2-Chloroethyl vinyl ether are outside control limits. Biased high, not detected in the saples. Data integrity not adversely affected.

Matrix Spike Recovery(s) for 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,2,3-Trichloropropane, 1,2-Dibromoethane, 1,3-Dichloropropane, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Acrylonitrile, Benzyl Chloride, Ethyl methacrylate, Methacrylonitrile, Methyl ethyl ketone, Propionitrile, Trans-1,4-Dichloro-2-Butene are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,2,3-Trichloropropane, 4-Methyl-2-pentanone, Acetone, Acetonitrile, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Propionitrile are outside control limits. Probable cause due to matrix interference. See Blank Spike.

Sample(s) F52031-2MSD, F52039-1, F52031-2MS have surrogates outside control limits. Probable cause due to matrix interference.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VF443

F52039-1: Confirmation run.

F52039-4 for Acetone: CCV outside of control limits; results may be biased high.

Matrix: SO **Batch ID:** VF444

All method blanks for this batch meet method specific criteria.

Sample(s) F52072-3MS, F52072-3MSD were used as the QC samples indicated.

The following samples were run outside of holding time for method SW846 8260B: F52039-1 Sample re-analyzed beyond hold time; reported results are considered minimum values.

Blank Spike Recovery(s) for cis-1,4-Dichloro-2-Butene are outside control limits. Biased high, not detected in the saples. Data integrity not adversely affected.

Matrix Spike Recovery(s) for 2-Hexanone, Acetone, Benzyl Chloride, Methyl ethyl ketone, Propionitrile are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,2,3-Trichloropropane, 1,2-Dibromoethane, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Acetonitrile, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Methyl methacrylate, Propionitrile, trans-1,3-Dichloropropene are outside control limits. Probable cause due to matrix interference. See Blank Spike.

Sample(s) F52031-2MSD, F52039-1, F52031-2MS have surrogates outside control limits. Probable cause due to matrix interference.

F52039-1: Sample re-analyzed beyond hold time; reported results are considered minimum values.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GCD3319

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F52039-5MS, F52039-5MSD were used as the QC samples indicated.

Sample(s) F52039-2, F52039-6MS, F52039-6MSD have surrogates outside control limits. Probable cause due to matrix interference.

F52039-2 for 4-Bromofluorobenzene: Outside control limits due to matrix interference.

F52039-2 for 4-Bromofluorobenzene: Result reported from PID.

Matrix: SO **Batch ID:** GUV1635

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F52039-6MS, F52039-6MSD were used as the QC samples indicated.

Sample(s) F52039-2, F52039-6MS, F52039-6MSD have surrogates outside control limits. Probable cause due to matrix interference.

F52039-6MS for aaa-Trifluorotoluene: Outside control limits due to matrix interference.

F52039-6MSD for aaa-Trifluorotoluene: Result reported from PID.

F52039-6MSD for 4-Bromofluorobenzene: Result reported from PID.

F52039-6MSD for aaa-Trifluorotoluene: Outside control limits due to matrix interference.

F52039-6MSD for 4-Bromofluorobenzene: Outside control limits due to matrix interference.

F52039-6MS for 4-Bromofluorobenzene: Result reported from PID.

F52039-6MS for 4-Bromofluorobenzene: Outside control limits due to matrix interference.

F52039-6MS for aaa-Trifluorotoluene: Result reported from PID.

Wet Chemistry By Method EPA 160.3 M

Matrix: SO **Batch ID:** GN27181

Sample(s) F52031-1DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____

Svetlana Izosimova, QAO (signature on file)

Date: September 11, 2007

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-DP77-12.5		
Lab Sample ID:	F52039-1	**Date Sampled:**	08/22/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.3
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	F023221.D	1	09/06/07	WJ	08/24/07 13:51	n/a	VF444
Run #2 [b]	F023187.D	1	09/05/07	WJ	08/24/07 13:51	n/a	VF443

	Initial Weight
Run #1	5.23 g
Run #2	5.75 g

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	59	29	ug/kg	
75-05-8	Acetonitrile	ND	59	20	ug/kg	
107-02-8	Acrolein	ND	29	13	ug/kg	
107-13-1	Acrylonitrile	ND	29	9.3	ug/kg	
107-05-1	Allyl chloride	ND	29	5.9	ug/kg	
71-43-2	Benzene	ND	5.9	1.2	ug/kg	
100-44-7	Benzyl Chloride	ND	5.9	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.9	1.2	ug/kg	
74-97-5	Bromochloromethane	ND	5.9	1.2	ug/kg	
75-27-4	Bromodichloromethane	ND	5.9	1.2	ug/kg	
75-25-2	Bromoform	ND	5.9	1.2	ug/kg	
104-51-8	n-Butylbenzene	ND	5.9	1.2	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.9	1.3	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.9	1.4	ug/kg	
108-90-7	Chlorobenzene	ND	5.9	1.2	ug/kg	
75-00-3	Chloroethane	ND	5.9	3.1	ug/kg	
67-66-3	Chloroform	ND	5.9	1.2	ug/kg	
544-10-5	1-Chlorohexane	ND	5.9	1.2	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.9	1.4	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.9	1.3	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	29	5.9	ug/kg	
75-15-0	Carbon disulfide	ND	5.9	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.9	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.9	1.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.9	1.2	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.9	1.2	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.9	2.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.9	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.9	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.9	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.9	1.2	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.9	1.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP77-12.5		
Lab Sample ID:	F52039-1	**Date Sampled:**	08/22/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.3
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.9	1.2	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.9	2.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.9	1.2	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.9	1.2	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	29	5.9	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.9	1.2	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.9	1.2	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.9	1.2	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.9	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.9	1.2	ug/kg	
100-41-4	Ethylbenzene	ND	5.9	1.2	ug/kg	
97-63-2	Ethyl methacrylate	ND	29	5.9	ug/kg	
76-13-1	Freon 113	ND	5.9	1.5	ug/kg	
591-78-6	2-Hexanone	ND	29	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.9	1.9	ug/kg	
110-54-3	Hexane	ND	5.9	2.1	ug/kg	
98-82-8	Isopropylbenzene	ND	5.9	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.9	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	29	12	ug/kg	
126-98-7	Methacrylonitrile	ND	29	5.9	ug/kg	
74-83-9	Methyl bromide	ND	5.9	2.1	ug/kg	
74-87-3	Methyl chloride	ND	5.9	2.4	ug/kg	
74-88-4	Methyl iodide	ND	12	2.4	ug/kg	
80-62-6	Methyl methacrylate	ND	29	5.9	ug/kg	
74-95-3	Methylene bromide	ND	5.9	1.2	ug/kg	
75-09-2	Methylene chloride	11.0	12	5.9	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	29	12	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.9	1.2	ug/kg	
91-20-3	Naphthalene	ND	5.9	2.4	ug/kg	
76-01-7	Pentachloroethane	ND	29	5.9	ug/kg	
107-12-0	Propionitrile	ND	59	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.9	1.3	ug/kg	
100-42-5	Styrene	ND	5.9	1.2	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.9	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.9	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.9	1.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.9	1.2	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.9	2.4	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.9	2.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.9	1.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP77-12.5		
Lab Sample ID:	F52039-1	**Date Sampled:**	08/22/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.3
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.9	1.3	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.9	1.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.9	1.2	ug/kg	
108-88-3	Toluene	ND	5.9	1.2	ug/kg	
79-01-6	Trichloroethylene	ND	5.9	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.9	1.9	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	29	5.9	ug/kg	
75-01-4	Vinyl chloride	ND	5.9	1.6	ug/kg	
108-05-4	Vinyl Acetate	ND	29	5.9	ug/kg	
	m,p-Xylene	ND	12	1.3	ug/kg	
95-47-6	o-Xylene	ND	5.9	1.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%	113%	80-121%
2037-26-5	Toluene-D8	98%	92%	71-130%
460-00-4	4-Bromofluorobenzene	100%	98%	59-148%
17060-07-0	1,2-Dichloroethane-D4	106%	126%	77-123%

(a) Sample re-analyzed beyond hold time; reported results are considered minimum values.
(b) Confirmation run.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP77-12.5		
Lab Sample ID:	F52039-1	**Date Sampled:**	08/22/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	81.3
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD079823.D	1	08/28/07	MM	08/24/07 13:51	n/a	GCD3319
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.95 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.3	3.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%		56-136%
98-08-8	aaa-Trifluorotoluene	84%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP77-25		
Lab Sample ID:	F52039-2	**Date Sampled:**	08/22/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	76.3
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F023188.D	1	09/05/07	WJ	08/24/07 13:51	n/a	VF443
Run #2							

	Initial Weight
Run #1	5.73 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	57	29	ug/kg	
75-05-8	Acetonitrile	ND	57	20	ug/kg	
107-02-8	Acrolein	ND	29	13	ug/kg	
107-13-1	Acrylonitrile	ND	29	9.0	ug/kg	
107-05-1	Allyl chloride	ND	29	5.7	ug/kg	
71-43-2	Benzene	53.0	5.7	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.7	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.7	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.7	1.1	ug/kg	
75-27-4	Bromodichloromethane	ND	5.7	1.1	ug/kg	
75-25-2	Bromoform	ND	5.7	1.1	ug/kg	
104-51-8	n-Butylbenzene	ND	5.7	1.1	ug/kg	
135-98-8	sec-Butylbenzene	6.5	5.7	1.3	ug/kg	
98-06-6	tert-Butylbenzene	18.9	5.7	1.4	ug/kg	
108-90-7	Chlorobenzene	ND	5.7	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.7	3.0	ug/kg	
67-66-3	Chloroform	ND	5.7	1.1	ug/kg	
544-10-5	1-Chlorohexane	ND	5.7	1.1	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.7	1.4	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.7	1.3	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	29	5.7	ug/kg	
75-15-0	Carbon disulfide	10.5	5.7	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.7	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.7	1.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.7	1.1	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.7	1.1	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.7	2.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.7	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.7	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.7	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.7	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.7	1.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP77-25		
Lab Sample ID:	F52039-2	**Date Sampled:**	08/22/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	76.3
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.7	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.7	2.3	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.7	1.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.7	1.1	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	29	5.7	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.7	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.7	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.7	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.7	1.1	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.7	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.7	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	29	5.7	ug/kg	
76-13-1	Freon 113	ND	5.7	1.5	ug/kg	
591-78-6	2-Hexanone	ND	29	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.7	1.8	ug/kg	
110-54-3	Hexane	ND	5.7	2.1	ug/kg	
98-82-8	Isopropylbenzene	21.1	5.7	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.7	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	29	11	ug/kg	
126-98-7	Methacrylonitrile	ND	29	5.7	ug/kg	
74-83-9	Methyl bromide	ND	5.7	2.1	ug/kg	
74-87-3	Methyl chloride	ND	5.7	2.3	ug/kg	
74-88-4	Methyl iodide	ND	11	2.3	ug/kg	
80-62-6	Methyl methacrylate	ND	29	5.7	ug/kg	
74-95-3	Methylene bromide	ND	5.7	1.1	ug/kg	
75-09-2	Methylene chloride	ND	11	5.7	ug/kg	
78-93-3	Methyl ethyl ketone	ND	29	11	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.7	1.1	ug/kg	
91-20-3	Naphthalene	ND	5.7	2.3	ug/kg	
76-01-7	Pentachloroethane	ND	29	5.7	ug/kg	
107-12-0	Propionitrile	ND	57	11	ug/kg	
103-65-1	n-Propylbenzene	ND	5.7	1.3	ug/kg	
100-42-5	Styrene	ND	5.7	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.7	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.7	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.7	1.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.7	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.7	2.3	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.7	2.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.7	1.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP77-25		
Lab Sample ID:	F52039-2	**Date Sampled:**	08/22/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	76.3
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.7	1.3	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.7	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.7	1.1	ug/kg	
108-88-3	Toluene	ND	5.7	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.7	1.1	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.7	1.8	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	29	5.7	ug/kg	
75-01-4	Vinyl chloride	ND	5.7	1.6	ug/kg	
108-05-4	Vinyl Acetate	ND	29	5.7	ug/kg	
	m,p-Xylene	ND	11	1.3	ug/kg	
95-47-6	o-Xylene	ND	5.7	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-121%
2037-26-5	Toluene-D8	95%		71-130%
460-00-4	4-Bromofluorobenzene	114%		59-148%
17060-07-0	1,2-Dichloroethane-D4	115%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP77-25		
Lab Sample ID:	F52039-2	**Date Sampled:**	08/22/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	76.3
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD079826.D	1	08/28/07	MM	08/24/07 13:51	n/a	GCD3319
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.15 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	76.2	7.9	4.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94% [a]		56-136%
460-00-4	4-Bromofluorobenzene	147% [b]		56-136%
98-08-8	aaa-Trifluorotoluene	94%		61-121%

(a) Result reported from PID.
(b) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP78-12.5		
Lab Sample ID:	F52039-3	**Date Sampled:**	08/22/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.6
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F023189.D	1	09/05/07	WJ	08/24/07 13:51	n/a	VF443
Run #2							

	Initial Weight
Run #1	5.39 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	56	28	ug/kg	
75-05-8	Acetonitrile	ND	56	19	ug/kg	
107-02-8	Acrolein	ND	28	12	ug/kg	
107-13-1	Acrylonitrile	ND	28	8.9	ug/kg	
107-05-1	Allyl chloride	ND	28	5.6	ug/kg	
71-43-2	Benzene	ND	5.6	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.6	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.6	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.6	1.1	ug/kg	
75-27-4	Bromodichloromethane	ND	5.6	1.1	ug/kg	
75-25-2	Bromoform	ND	5.6	1.1	ug/kg	
104-51-8	n-Butylbenzene	ND	5.6	1.1	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.6	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.6	1.3	ug/kg	
108-90-7	Chlorobenzene	ND	5.6	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.6	2.9	ug/kg	
67-66-3	Chloroform	ND	5.6	1.1	ug/kg	
544-10-5	1-Chlorohexane	ND	5.6	1.1	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.6	1.3	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.6	1.2	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	28	5.6	ug/kg	
75-15-0	Carbon disulfide	ND	5.6	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.6	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.6	1.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.6	1.1	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.6	1.1	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.6	2.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.6	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.6	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.6	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.6	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.6	1.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP78-12.5		
Lab Sample ID:	F52039-3	**Date Sampled:**	08/22/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.6
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.6	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.6	2.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.6	1.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.6	1.1	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	28	5.6	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.6	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.6	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.6	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.6	1.1	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.6	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.6	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	28	5.6	ug/kg	
76-13-1	Freon 113	ND	5.6	1.5	ug/kg	
591-78-6	2-Hexanone	ND	28	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.6	1.8	ug/kg	
110-54-3	Hexane	ND	5.6	2.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.6	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.6	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	28	11	ug/kg	
126-98-7	Methacrylonitrile	ND	28	5.6	ug/kg	
74-83-9	Methyl bromide	ND	5.6	2.0	ug/kg	
74-87-3	Methyl chloride	ND	5.6	2.2	ug/kg	
74-88-4	Methyl iodide	ND	11	2.2	ug/kg	
80-62-6	Methyl methacrylate	ND	28	5.6	ug/kg	
74-95-3	Methylene bromide	ND	5.6	1.1	ug/kg	
75-09-2	Methylene chloride	8.1	11	5.6	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	28	11	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.6	1.1	ug/kg	
91-20-3	Naphthalene	ND	5.6	2.2	ug/kg	
76-01-7	Pentachloroethane	ND	28	5.6	ug/kg	
107-12-0	Propionitrile	ND	56	11	ug/kg	
103-65-1	n-Propylbenzene	ND	5.6	1.2	ug/kg	
100-42-5	Styrene	ND	5.6	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.6	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.6	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.6	1.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.6	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.6	2.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.6	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	1.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP78-12.5		
Lab Sample ID:	F52039-3	**Date Sampled:**	08/22/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	82.6
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.6	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.6	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.6	1.1	ug/kg	
108-88-3	Toluene	ND	5.6	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.6	1.1	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.6	1.8	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	28	5.6	ug/kg	
75-01-4	Vinyl chloride	ND	5.6	1.6	ug/kg	
108-05-4	Vinyl Acetate	ND	28	5.6	ug/kg	
	m,p-Xylene	ND	11	1.2	ug/kg	
95-47-6	o-Xylene	ND	5.6	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		80-121%
2037-26-5	Toluene-D8	95%		71-130%
460-00-4	4-Bromofluorobenzene	98%		59-148%
17060-07-0	1,2-Dichloroethane-D4	118%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP78-12.5		
Lab Sample ID:	F52039-3	**Date Sampled:**	08/22/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	82.6
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD079827.D	1	08/28/07	MM	08/24/07 13:51	n/a	GCD3319
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.56 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.5	3.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%		56-136%
98-08-8	aaa-Trifluorotoluene	85%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP78-25		
Lab Sample ID:	F52039-4	**Date Sampled:**	08/22/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.1
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F023190.D	1	09/05/07	WJ	08/24/07 13:51	n/a	VF443
Run #2							

	Initial Weight
Run #1	5.46 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	132	56	28	ug/kg	J
75-05-8	Acetonitrile	ND	56	19	ug/kg	
107-02-8	Acrolein	ND	28	12	ug/kg	
107-13-1	Acrylonitrile	ND	28	8.9	ug/kg	
107-05-1	Allyl chloride	ND	28	5.6	ug/kg	
71-43-2	Benzene	ND	5.6	1.1	ug/kg	
100-44-7	Benzyl Chloride	ND	5.6	1.1	ug/kg	
108-86-1	Bromobenzene	ND	5.6	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.6	1.1	ug/kg	
75-27-4	Bromodichloromethane	ND	5.6	1.1	ug/kg	
75-25-2	Bromoform	ND	5.6	1.1	ug/kg	
104-51-8	n-Butylbenzene	ND	5.6	1.1	ug/kg	
135-98-8	sec-Butylbenzene	11.4	5.6	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.6	1.4	ug/kg	
108-90-7	Chlorobenzene	ND	5.6	1.1	ug/kg	
75-00-3	Chloroethane	ND	5.6	2.9	ug/kg	
67-66-3	Chloroform	ND	5.6	1.1	ug/kg	
544-10-5	1-Chlorohexane	ND	5.6	1.1	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.6	1.4	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.6	1.2	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	28	5.6	ug/kg	
75-15-0	Carbon disulfide	ND	5.6	1.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.6	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.6	1.2	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.6	1.1	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.6	1.1	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.6	2.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.6	1.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.6	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.6	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.6	1.1	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.6	1.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP78-25		
Lab Sample ID:	F52039-4	**Date Sampled:**	08/22/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.1
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.6	1.1	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.6	2.3	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.6	1.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.6	1.1	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	28	5.6	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.6	1.1	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.6	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.6	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.6	1.1	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.6	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	5.6	1.1	ug/kg	
97-63-2	Ethyl methacrylate	ND	28	5.6	ug/kg	
76-13-1	Freon 113	ND	5.6	1.5	ug/kg	
591-78-6	2-Hexanone	ND	28	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.6	1.8	ug/kg	
110-54-3	Hexane	ND	5.6	2.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.6	1.1	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.6	1.1	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	28	11	ug/kg	
126-98-7	Methacrylonitrile	ND	28	5.6	ug/kg	
74-83-9	Methyl bromide	ND	5.6	2.0	ug/kg	
74-87-3	Methyl chloride	ND	5.6	2.3	ug/kg	
74-88-4	Methyl iodide	ND	11	2.3	ug/kg	
80-62-6	Methyl methacrylate	ND	28	5.6	ug/kg	
74-95-3	Methylene bromide	ND	5.6	1.1	ug/kg	
75-09-2	Methylene chloride	9.7	11	5.6	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	28	11	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.6	1.1	ug/kg	
91-20-3	Naphthalene	ND	5.6	2.3	ug/kg	
76-01-7	Pentachloroethane	ND	28	5.6	ug/kg	
107-12-0	Propionitrile	ND	56	11	ug/kg	
103-65-1	n-Propylbenzene	ND	5.6	1.2	ug/kg	
100-42-5	Styrene	ND	5.6	1.1	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.6	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.6	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.6	1.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.6	1.1	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.6	2.3	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.6	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	1.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP78-25		
Lab Sample ID:	F52039-4	**Date Sampled:**	08/22/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	81.1
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.6	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.6	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.6	1.1	ug/kg	
108-88-3	Toluene	ND	5.6	1.1	ug/kg	
79-01-6	Trichloroethylene	ND	5.6	1.1	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.6	1.8	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	28	5.6	ug/kg	
75-01-4	Vinyl chloride	ND	5.6	1.6	ug/kg	
108-05-4	Vinyl Acetate	ND	28	5.6	ug/kg	
	m,p-Xylene	ND	11	1.2	ug/kg	
95-47-6	o-Xylene	ND	5.6	1.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-121%
2037-26-5	Toluene-D8	96%		71-130%
460-00-4	4-Bromofluorobenzene	142%		59-148%
17060-07-0	1,2-Dichloroethane-D4	117%		77-123%

(a) CCV outside of control limits; results may be biased high.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP78-25		
Lab Sample ID:	F52039-4	**Date Sampled:**	08/22/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	81.1
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV028399.D	1	08/29/07	MM	08/24/07 13:51	n/a	GUV1635
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.42 g	5.0 ml	25.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	93.1	27	14	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	111%		56-136%
98-08-8	aaa-Trifluorotoluene	107%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP79-12.5		
Lab Sample ID:	F52039-5	**Date Sampled:**	08/22/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	75.2
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F023191.D	1	09/05/07	WJ	08/24/07 13:51	n/a	VF443
Run #2							

	Initial Weight
Run #1	5.56 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	60	30	ug/kg	
75-05-8	Acetonitrile	ND	60	20	ug/kg	
107-02-8	Acrolein	ND	30	13	ug/kg	
107-13-1	Acrylonitrile	ND	30	9.4	ug/kg	
107-05-1	Allyl chloride	ND	30	6.0	ug/kg	
71-43-2	Benzene	ND	6.0	1.2	ug/kg	
100-44-7	Benzyl Chloride	ND	6.0	1.2	ug/kg	
108-86-1	Bromobenzene	ND	6.0	1.2	ug/kg	
74-97-5	Bromochloromethane	ND	6.0	1.2	ug/kg	
75-27-4	Bromodichloromethane	ND	6.0	1.2	ug/kg	
75-25-2	Bromoform	ND	6.0	1.2	ug/kg	
104-51-8	n-Butylbenzene	ND	6.0	1.2	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.0	1.3	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.0	1.4	ug/kg	
108-90-7	Chlorobenzene	ND	6.0	1.2	ug/kg	
75-00-3	Chloroethane	ND	6.0	3.1	ug/kg	
67-66-3	Chloroform	ND	6.0	1.2	ug/kg	
544-10-5	1-Chlorohexane	ND	6.0	1.2	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.0	1.4	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.0	1.3	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	30	6.0	ug/kg	
75-15-0	Carbon disulfide	ND	6.0	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.0	1.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.0	1.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.0	1.2	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.0	1.2	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.0	2.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.0	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.0	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.0	1.6	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.0	1.2	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.0	1.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP79-12.5		
Lab Sample ID:	F52039-5	**Date Sampled:**	08/22/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	75.2
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	6.0	1.2	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.0	2.4	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.0	1.2	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.0	1.2	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	30	6.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.0	1.2	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.0	1.2	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.0	1.2	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6.0	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.0	1.2	ug/kg	
100-41-4	Ethylbenzene	ND	6.0	1.2	ug/kg	
97-63-2	Ethyl methacrylate	ND	30	6.0	ug/kg	
76-13-1	Freon 113	ND	6.0	1.6	ug/kg	
591-78-6	2-Hexanone	ND	30	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.0	1.9	ug/kg	
110-54-3	Hexane	ND	6.0	2.2	ug/kg	
98-82-8	Isopropylbenzene	ND	6.0	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.0	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	30	12	ug/kg	
126-98-7	Methacrylonitrile	ND	30	6.0	ug/kg	
74-83-9	Methyl bromide	ND	6.0	2.2	ug/kg	
74-87-3	Methyl chloride	ND	6.0	2.4	ug/kg	
74-88-4	Methyl iodide	ND	12	2.4	ug/kg	
80-62-6	Methyl methacrylate	ND	30	6.0	ug/kg	
74-95-3	Methylene bromide	ND	6.0	1.2	ug/kg	
75-09-2	Methylene chloride	9.9	12	6.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	30	12	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.0	1.2	ug/kg	
91-20-3	Naphthalene	ND	6.0	2.4	ug/kg	
76-01-7	Pentachloroethane	ND	30	6.0	ug/kg	
107-12-0	Propionitrile	ND	60	12	ug/kg	
103-65-1	n-Propylbenzene	ND	6.0	1.3	ug/kg	
100-42-5	Styrene	ND	6.0	1.2	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.0	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.0	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.0	1.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.0	1.2	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.0	2.4	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.0	2.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.0	1.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP79-12.5		
Lab Sample ID:	F52039-5	**Date Sampled:**	08/22/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	75.2
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	6.0	1.3	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.0	1.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.0	1.2	ug/kg	
108-88-3	Toluene	ND	6.0	1.2	ug/kg	
79-01-6	Trichloroethylene	ND	6.0	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.0	1.9	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	30	6.0	ug/kg	
75-01-4	Vinyl chloride	ND	6.0	1.7	ug/kg	
108-05-4	Vinyl Acetate	ND	30	6.0	ug/kg	
	m,p-Xylene	ND	12	1.3	ug/kg	
95-47-6	o-Xylene	ND	6.0	1.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		80-121%
2037-26-5	Toluene-D8	94%		71-130%
460-00-4	4-Bromofluorobenzene	98%		59-148%
17060-07-0	1,2-Dichloroethane-D4	112%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP79-12.5		
Lab Sample ID:	F52039-5	**Date Sampled:**	08/22/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	75.2
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD079829.D	1	08/28/07	MM	08/24/07 13:51	n/a	GCD3319
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.36 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.9	3.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%		56-136%
98-08-8	aaa-Trifluorotoluene	85%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP79-25		
Lab Sample ID:	F52039-6	**Date Sampled:**	08/22/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	78.3
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F023170.D	1	09/04/07	WJ	08/24/07 13:51	n/a	VF442
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.58 g	5.0 ml	100 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3600	1800	ug/kg	
75-05-8	Acetonitrile	ND	3600	1200	ug/kg	
107-02-8	Acrolein	ND	1800	780	ug/kg	
107-13-1	Acrylonitrile	ND	1800	560	ug/kg	
107-05-1	Allyl chloride	ND	1800	360	ug/kg	
71-43-2	Benzene	ND	360	71	ug/kg	
100-44-7	Benzyl Chloride	ND	360	71	ug/kg	
108-86-1	Bromobenzene	ND	360	71	ug/kg	
74-97-5	Bromochloromethane	ND	360	71	ug/kg	
75-27-4	Bromodichloromethane	ND	360	71	ug/kg	
75-25-2	Bromoform	ND	360	71	ug/kg	
104-51-8	n-Butylbenzene	ND	360	71	ug/kg	
135-98-8	sec-Butylbenzene	ND	360	78	ug/kg	
98-06-6	tert-Butylbenzene	ND	360	85	ug/kg	
108-90-7	Chlorobenzene	ND	360	71	ug/kg	
75-00-3	Chloroethane	ND	360	180	ug/kg	
67-66-3	Chloroform	ND	360	71	ug/kg	
544-10-5	1-Chlorohexane	ND	360	71	ug/kg	
95-49-8	o-Chlorotoluene	ND	360	85	ug/kg	
106-43-4	p-Chlorotoluene	ND	360	78	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1800	360	ug/kg	
75-15-0	Carbon disulfide	ND	360	71	ug/kg	
56-23-5	Carbon tetrachloride	ND	360	92	ug/kg	
75-34-3	1,1-Dichloroethane	ND	360	78	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	360	71	ug/kg	
563-58-6	1,1-Dichloropropene	ND	360	71	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	360	160	ug/kg	
106-93-4	1,2-Dibromoethane	ND	360	71	ug/kg	
107-06-2	1,2-Dichloroethane	ND	360	71	ug/kg	
78-87-5	1,2-Dichloropropane	ND	360	92	ug/kg	
142-28-9	1,3-Dichloropropane	ND	360	71	ug/kg	
594-20-7	2,2-Dichloropropane	ND	360	85	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP79-25		
Lab Sample ID:	F52039-6	**Date Sampled:**	08/22/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	78.3
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	360	71	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	360	140	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	360	71	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	360	71	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	1800	360	ug/kg	
541-73-1	m-Dichlorobenzene	ND	360	71	ug/kg	
95-50-1	o-Dichlorobenzene	ND	360	71	ug/kg	
106-46-7	p-Dichlorobenzene	ND	360	71	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	360	71	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	360	71	ug/kg	
100-41-4	Ethylbenzene	ND	360	71	ug/kg	
97-63-2	Ethyl methacrylate	ND	1800	360	ug/kg	
76-13-1	Freon 113	ND	360	92	ug/kg	
591-78-6	2-Hexanone	ND	1800	710	ug/kg	
87-68-3	Hexachlorobutadiene	ND	360	110	ug/kg	
110-54-3	Hexane	ND	360	130	ug/kg	
98-82-8	Isopropylbenzene	578	360	71	ug/kg	
99-87-6	p-Isopropyltoluene	ND	360	71	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1800	710	ug/kg	
126-98-7	Methacrylonitrile	ND	1800	360	ug/kg	
74-83-9	Methyl bromide	ND	360	130	ug/kg	
74-87-3	Methyl chloride	ND	360	140	ug/kg	
74-88-4	Methyl iodide	ND	710	140	ug/kg	
80-62-6	Methyl methacrylate	ND	1800	360	ug/kg	
74-95-3	Methylene bromide	ND	360	71	ug/kg	
75-09-2	Methylene chloride	ND	710	360	ug/kg	
78-93-3	Methyl ethyl ketone	ND	1800	710	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	360	71	ug/kg	
91-20-3	Naphthalene	ND	360	140	ug/kg	
76-01-7	Pentachloroethane	ND	1800	360	ug/kg	
107-12-0	Propionitrile	ND	3600	710	ug/kg	
103-65-1	n-Propylbenzene	ND	360	78	ug/kg	
100-42-5	Styrene	ND	360	71	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	360	71	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	360	71	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	360	92	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	360	71	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	360	140	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	360	140	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	360	78	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP79-25		
Lab Sample ID:	F52039-6	**Date Sampled:**	08/22/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	78.3
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	360	78	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	360	71	ug/kg	
127-18-4	Tetrachloroethylene	ND	360	71	ug/kg	
108-88-3	Toluene	ND	360	71	ug/kg	
79-01-6	Trichloroethylene	ND	360	71	ug/kg	
75-69-4	Trichlorofluoromethane	ND	360	110	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	1800	360	ug/kg	
75-01-4	Vinyl chloride	ND	360	100	ug/kg	
108-05-4	Vinyl Acetate	ND	1800	360	ug/kg	
	m,p-Xylene	ND	710	78	ug/kg	
95-47-6	o-Xylene	ND	360	71	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-121%
2037-26-5	Toluene-D8	94%		71-130%
460-00-4	4-Bromofluorobenzene	101%		59-148%
17060-07-0	1,2-Dichloroethane-D4	105%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP79-25		
Lab Sample ID:	F52039-6	**Date Sampled:**	08/22/07
Matrix:	SO - Soil	**Date Received:**	08/24/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	78.3
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV028400.D	1	08/29/07	MM	08/24/07 13:51	n/a	GUV1635
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.58 g	5.0 ml	15.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	247	47	24	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	110%		56-136%
98-08-8	aaa-Trifluorotoluene	107%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	08222007-TB2		
Lab Sample ID:	F52039-7	**Date Sampled:**	08/22/07
Matrix:	SO - Trip Blank Soil	**Date Received:**	08/24/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F023164.D	1	09/04/07	WJ	n/a	n/a	VF442
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	17	ug/kg	
107-02-8	Acrolein	ND	25	11	ug/kg	
107-13-1	Acrylonitrile	ND	25	7.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.0	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.0	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.0	ug/kg	
75-25-2	Bromoform	ND	5.0	1.0	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.6	ug/kg	
67-66-3	Chloroform	ND	5.0	1.0	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	5.0	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	1.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.2	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.3	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	1.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	08222007-TB2		
Lab Sample ID:	F52039-7	**Date Sampled:**	08/22/07
Matrix:	SO - Trip Blank Soil	**Date Received:**	08/24/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	1.3	ug/kg	
591-78-6	2-Hexanone	ND	25	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.6	ug/kg	
110-54-3	Hexane	ND	5.0	1.8	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	10	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.0	ug/kg	
74-83-9	Methyl bromide	ND	5.0	1.8	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.0	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.0	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	10	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.1	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.3	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	08222007-TB2		
Lab Sample ID:	F52039-7	**Date Sampled:**	08/22/07
Matrix:	SO - Trip Blank Soil	**Date Received:**	08/24/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.0	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	1.6	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	1.4	ug/kg	
108-05-4	Vinyl Acetate	ND	25	5.0	ug/kg	
	m,p-Xylene	ND	10	1.1	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-121%
2037-26-5	Toluene-D8	95%		71-130%
460-00-4	4-Bromofluorobenzene	93%		59-148%
17060-07-0	1,2-Dichloroethane-D4	100%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

F52039

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

Page 1 of 1

9050361.01.02

P.O. _____

Chain of Custody Number [1]: 08222007-03

LIMS Number: _____

Facility/Base I.D.: Holloman Air Force Base, New Mexico

Project Name / Site Name: SS61 Soil Boring Sampling

Client Name: USACE

Collected by: Z. Beck, K. Thompson, C. McGriff

Field Sample ID (20 Characters Max)	ERPIMS LOCID (15 Characters Max)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of Containers	VOCs 8260B	TPH - 801554 - GRO only	Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
SS61-DP77-12.5		22-AUG-2007	1350	10 12.5	N		SO	5	[illegible]	[illegible]				B
SS61-DP77-25		22-AUG-2007	1355	23 25	N		SO	5	[illegible]	[illegible]				B
SS61-DP78-12.5		22-AUG-2007	1510	10 12.5	N		SO	5	[illegible]	[illegible]				B
SS61-DP78-25		22-AUG-2007	1515	23 25	N		SO	5	[illegible]	[illegible]				B
SS61-DP79-12.5		22-AUG-2007	1625	10 12.5	N		SO	5	[illegible]	[illegible]				B
SS61-DP79-25		22-AUG-2007	1615	23 25	N		SO	5	[illegible]	[illegible]				B
08222007-TB2		22-AUG-2007			TB		WQ	2	[illegible]				08222007-TB2	B

Sample Analysis Requested [5]

Quality Assurance Samples [6]

COMMENTS:

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1.	[illegible]	8/23/07 FX	1500	1. FX		
2.				2. J. Conrad	8-24-07	09:20
3.				3.		

5

Delivered Directly to Lab: _____ Shipped No. _____

Method of Shipment: _____ Airbill Number: _____

Analytical Lab: _____ Delivery Location: _____

Lab Recipient: _____ Delivery Date/Time: _____

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-c) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, if sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: OS = Soil Gas, WG = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10109901 in the Equipment Blank Lot Control

2 · B

F52039: Chain of Custody

Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F52039 09:30 CLIENT: BHATE PROJECT: SS 61 SOIL BORING S

DATE/TIME RECEIVED: 8-24-07 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.8

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8619 1476 5538

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [X] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 24

NUMBER OF 5035 FIELD KITS ? 0

NUMBER OR LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE SC 8-24-07 TECHNICIAN SIGNATURE/DATE

ASBD 10/03/06

4.1 4

F52039: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F52039
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF442-MB	F023148.D	1	09/04/07	WJ	n/a	n/a	VF442

The QC reported here applies to the following samples: **Method:** SW846 8260B

F52039-6, F52039-7

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	17	ug/kg	
107-02-8	Acrolein	ND	25	11	ug/kg	
107-13-1	Acrylonitrile	ND	25	7.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.0	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.0	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.0	ug/kg	
75-25-2	Bromoform	ND	5.0	1.0	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.6	ug/kg	
67-66-3	Chloroform	ND	5.0	1.0	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	5.0	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	1.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.2	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.3	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	1.2	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	

Method Blank Summary

Job Number: F52039
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF442-MB	F023148.D	1	09/04/07	WJ	n/a	n/a	VF442

The QC reported here applies to the following samples: **Method:** SW846 8260B

F52039-6, F52039-7

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	1.3	ug/kg	
591-78-6	2-Hexanone	ND	25	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.6	ug/kg	
110-54-3	Hexane	ND	5.0	1.8	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	10	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.0	ug/kg	
74-83-9	Methyl bromide	ND	5.0	1.8	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.0	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.0	ug/kg	
75-09-2	Methylene chloride	5.5	10	5.0	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	25	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	10	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.1	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.3	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.1	ug/kg	

Method Blank Summary

Job Number: F52039
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF442-MB	F023148.D	1	09/04/07	WJ	n/a	n/a	VF442

The QC reported here applies to the following samples: **Method:** SW846 8260B

F52039-6, F52039-7

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.0	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	1.6	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	1.4	ug/kg	
108-05-4	Vinyl Acetate	ND	25	5.0	ug/kg	
	m,p-Xylene	ND	10	1.1	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	80-121%
2037-26-5	Toluene-D8	94%	71-130%
460-00-4	4-Bromofluorobenzene	94%	59-148%
17060-07-0	1,2-Dichloroethane-D4	99%	77-123%

Method Blank Summary

Job Number: F52039
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF443-MB	F023176.D	1	09/05/07	WJ	n/a	n/a	VF443

The QC reported here applies to the following samples: **Method:** SW846 8260B

F52039-2, F52039-3, F52039-4, F52039-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	17	ug/kg	
107-02-8	Acrolein	ND	25	11	ug/kg	
107-13-1	Acrylonitrile	ND	25	7.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.0	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.0	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.0	ug/kg	
75-25-2	Bromoform	ND	5.0	1.0	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.6	ug/kg	
67-66-3	Chloroform	ND	5.0	1.0	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	5.0	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	1.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.2	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.3	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	1.2	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	

Method Blank Summary

Job Number: F52039
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF443-MB	F023176.D	1	09/05/07	WJ	n/a	n/a	VF443

The QC reported here applies to the following samples: **Method:** SW846 8260B

F52039-2, F52039-3, F52039-4, F52039-5

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	1.3	ug/kg	
591-78-6	2-Hexanone	ND	25	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.6	ug/kg	
110-54-3	Hexane	ND	5.0	1.8	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	10	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.0	ug/kg	
74-83-9	Methyl bromide	ND	5.0	1.8	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.0	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.0	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	10	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.1	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.3	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.1	ug/kg	

Method Blank Summary

Job Number: F52039
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF443-MB	F023176.D	1	09/05/07	WJ	n/a	n/a	VF443

The QC reported here applies to the following samples: **Method:** SW846 8260B

F52039-2, F52039-3, F52039-4, F52039-5

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.0	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	1.6	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	1.4	ug/kg	
108-05-4	Vinyl Acetate	ND	25	5.0	ug/kg	
	m,p-Xylene	ND	10	1.1	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	107%	80-121%
2037-26-5	Toluene-D8	93%	71-130%
460-00-4	4-Bromofluorobenzene	95%	59-148%
17060-07-0	1,2-Dichloroethane-D4	112%	77-123%

Method Blank Summary

Job Number: F52039
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF444-MB	F023217.D	1	09/06/07	WJ	n/a	n/a	VF444

The QC reported here applies to the following samples: **Method:** SW846 8260B

F52039-1

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	17	ug/kg	
107-02-8	Acrolein	ND	25	11	ug/kg	
107-13-1	Acrylonitrile	ND	25	7.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.0	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.0	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.0	ug/kg	
75-25-2	Bromoform	ND	5.0	1.0	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.6	ug/kg	
67-66-3	Chloroform	ND	5.0	1.0	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	5.0	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	1.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.2	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.3	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	1.2	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	

Method Blank Summary

Job Number: F52039
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF444-MB	F023217.D	1	09/06/07	WJ	n/a	n/a	VF444

The QC reported here applies to the following samples: **Method:** SW846 8260B

F52039-1

CAS No.	Compound	Result	RL	MDL	Units	Q
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	1.3	ug/kg	
591-78-6	2-Hexanone	ND	25	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.6	ug/kg	
110-54-3	Hexane	ND	5.0	1.8	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	10	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.0	ug/kg	
74-83-9	Methyl bromide	ND	5.0	1.8	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.0	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.0	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.0	ug/kg	
91-20-3	Naphthalene	2.3	5.0	2.0	ug/kg	J
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	10	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.1	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.3	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.1	ug/kg	

Method Blank Summary

Job Number: F52039
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF444-MB	F023217.D	1	09/06/07	WJ	n/a	n/a	VF444

The QC reported here applies to the following samples: **Method:** SW846 8260B

F52039-1

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.0	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	1.6	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	1.4	ug/kg	
108-05-4	Vinyl Acetate	ND	25	5.0	ug/kg	
	m,p-Xylene	ND	10	1.1	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	103%	80-121%
2037-26-5	Toluene-D8	98%	71-130%
460-00-4	4-Bromofluorobenzene	101%	59-148%
17060-07-0	1,2-Dichloroethane-D4	105%	77-123%

Blank Spike Summary

Job Number: F52039
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF442-BS	F023147.D	1	09/04/07	WJ	n/a	n/a	VF442

The QC reported here applies to the following samples: **Method:** SW846 8260B

F52039-6, F52039-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	239	96	61-144
75-05-8	Acetonitrile	500	489	98	59-139
107-02-8	Acrolein	250	210	84	27-156
107-13-1	Acrylonitrile	250	220	88	55-144
107-05-1	Allyl chloride	50	46.2	92	41-152
71-43-2	Benzene	50	51.5	103	78-130
100-44-7	Benzyl Chloride	50	48.3	97	74-130
108-86-1	Bromobenzene	50	49.3	99	78-123
74-97-5	Bromochloromethane	50	48.8	98	72-122
75-27-4	Bromodichloromethane	50	49.2	98	73-122
75-25-2	Bromoform	50	52.9	106	70-139
104-51-8	n-Butylbenzene	50	49.4	99	80-138
135-98-8	sec-Butylbenzene	50	49.7	99	82-132
98-06-6	tert-Butylbenzene	50	50.3	101	79-130
108-90-7	Chlorobenzene	50	50.0	100	83-122
75-00-3	Chloroethane	50	39.5	79	61-153
67-66-3	Chloroform	50	50.9	102	79-129
544-10-5	1-Chlorohexane	50	53.3	107	85-137
95-49-8	o-Chlorotoluene	50	48.2	96	77-123
106-43-4	p-Chlorotoluene	50	48.4	97	78-129
110-75-8	2-Chloroethyl vinyl ether	250	356	142	52-142
75-15-0	Carbon disulfide	50	44.5	89	61-142
56-23-5	Carbon tetrachloride	50	52.7	105	79-135
75-34-3	1,1-Dichloroethane	50	50.1	100	77-132
75-35-4	1,1-Dichloroethylene	50	50.5	101	66-132
563-58-6	1,1-Dichloropropene	50	52.3	105	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	45.3	91	67-129
106-93-4	1,2-Dibromoethane	50	48.6	97	77-126
107-06-2	1,2-Dichloroethane	50	51.2	102	78-129
78-87-5	1,2-Dichloropropane	50	49.1	98	74-127
142-28-9	1,3-Dichloropropane	50	47.1	94	78-118
594-20-7	2,2-Dichloropropane	50	56.3	113	80-137
124-48-1	Dibromochloromethane	50	49.1	98	78-117
75-71-8	Dichlorodifluoromethane	50	37.8	76	35-162
156-59-2	cis-1,2-Dichloroethylene	50	47.6	95	74-123
10061-01-5	cis-1,3-Dichloropropene	50	52.4	105	79-130

Blank Spike Summary

Job Number: F52039
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF442-BS	F023147.D	1	09/04/07	WJ	n/a	n/a	VF442

The QC reported here applies to the following samples: **Method:** SW846 8260B

F52039-6, F52039-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	49.5	99	71-126
541-73-1	m-Dichlorobenzene	50	49.8	100	82-126
95-50-1	o-Dichlorobenzene	50	49.2	98	83-123
106-46-7	p-Dichlorobenzene	50	49.8	100	84-124
156-60-5	trans-1,2-Dichloroethylene	50	48.3	97	77-129
10061-02-6	trans-1,3-Dichloropropene	50	53.3	107	87-131
100-41-4	Ethylbenzene	50	50.5	101	82-124
97-63-2	Ethyl methacrylate	50	47.9	96	78-118
76-13-1	Freon 113	50	50.6	101	62-147
591-78-6	2-Hexanone	250	241	96	67-130
87-68-3	Hexachlorobutadiene	50	55.4	111	77-150
110-54-3	Hexane	50	41.2	82	65-147
98-82-8	Isopropylbenzene	50	54.5	109	82-133
99-87-6	p-Isopropyltoluene	50	50.7	101	82-132
108-10-1	4-Methyl-2-pentanone	250	233	93	69-125
126-98-7	Methacrylonitrile	500	484	97	70-138
74-83-9	Methyl bromide	50	47.7	95	60-146
74-87-3	Methyl chloride	50	50.9	102	58-163
74-88-4	Methyl iodide	50	47.3	95	66-128
80-62-6	Methyl methacrylate	50	48.9	98	73-125
74-95-3	Methylene bromide	50	50.0	100	75-128
75-09-2	Methylene chloride	50	48.9	98	62-140
78-93-3	Methyl ethyl ketone	250	242	97	66-134
1634-04-4	Methyl Tert Butyl Ether	50	49.7	99	70-131
91-20-3	Naphthalene	50	46.6	93	59-143
76-01-7	Pentachloroethane	50	49.2	98	64-156
107-12-0	Propionitrile	500	484	97	73-133
103-65-1	n-Propylbenzene	50	48.9	98	78-129
100-42-5	Styrene	50	49.6	99	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	51.2	102	81-121
71-55-6	1,1,1-Trichloroethane	50	54.2	108	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	44.7	89	70-128
79-00-5	1,1,2-Trichloroethane	50	46.1	92	76-118
87-61-6	1,2,3-Trichlorobenzene	50	50.6	101	78-136
96-18-4	1,2,3-Trichloropropane	50	46.2	92	74-125
120-82-1	1,2,4-Trichlorobenzene	50	52.2	104	82-137

Blank Spike Summary

Job Number: F52039
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF442-BS	F023147.D	1	09/04/07	WJ	n/a	n/a	VF442

The QC reported here applies to the following samples: **Method:** SW846 8260B

F52039-6, F52039-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	47.8	96	77-129
108-67-8	1,3,5-Trimethylbenzene	50	49.3	99	79-129
127-18-4	Tetrachloroethylene	50	54.9	110	79-132
108-88-3	Toluene	50	48.5	97	80-123
79-01-6	Trichloroethylene	50	52.1	104	78-132
75-69-4	Trichlorofluoromethane	50	47.8	96	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	50.8	102	74-138
75-01-4	Vinyl chloride	50	49.7	99	60-145
108-05-4	Vinyl Acetate	250	158	63	25-164
	m,p-Xylene	100	102	102	82-128
95-47-6	o-Xylene	50	50.8	102	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	80-121%
2037-26-5	Toluene-D8	96%	71-130%
460-00-4	4-Bromofluorobenzene	95%	59-148%
17060-07-0	1,2-Dichloroethane-D4	102%	77-123%

Blank Spike Summary

Job Number: F52039
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF443-BS	F023175.D	1	09/05/07	WJ	n/a	n/a	VF443

The QC reported here applies to the following samples: **Method:** SW846 8260B

F52039-2, F52039-3, F52039-4, F52039-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	285	114	61-144
75-05-8	Acetonitrile	500	521	104	59-139
107-02-8	Acrolein	250	81.5	33	27-156
107-13-1	Acrylonitrile	250	229	92	55-144
107-05-1	Allyl chloride	50	57.9	116	41-152
71-43-2	Benzene	50	57.0	114	78-130
100-44-7	Benzyl Chloride	50	53.8	108	74-130
108-86-1	Bromobenzene	50	54.1	108	78-123
74-97-5	Bromochloromethane	50	54.8	110	72-122
75-27-4	Bromodichloromethane	50	58.9	118	73-122
75-25-2	Bromoform	50	58.9	118	70-139
104-51-8	n-Butylbenzene	50	56.1	112	80-138
135-98-8	sec-Butylbenzene	50	55.9	112	82-132
98-06-6	tert-Butylbenzene	50	57.6	115	79-130
108-90-7	Chlorobenzene	50	55.3	111	83-122
75-00-3	Chloroethane	50	53.9	108	61-153
67-66-3	Chloroform	50	60.9	122	79-129
544-10-5	1-Chlorohexane	50	58.8	118	85-137
95-49-8	o-Chlorotoluene	50	54.3	109	77-123
106-43-4	p-Chlorotoluene	50	54.7	109	78-129
110-75-8	2-Chloroethyl vinyl ether	250	372	149*	52-142
75-15-0	Carbon disulfide	50	51.0	102	61-142
56-23-5	Carbon tetrachloride	50	66.8	134	79-135
75-34-3	1,1-Dichloroethane	50	58.4	117	77-132
75-35-4	1,1-Dichloroethylene	50	60.9	122	66-132
563-58-6	1,1-Dichloropropene	50	61.7	123	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	51.5	103	67-129
106-93-4	1,2-Dibromoethane	50	53.5	107	77-126
107-06-2	1,2-Dichloroethane	50	63.4	127	78-129
78-87-5	1,2-Dichloropropane	50	55.9	112	74-127
142-28-9	1,3-Dichloropropane	50	51.5	103	78-118
594-20-7	2,2-Dichloropropane	50	68.0	136	80-137
124-48-1	Dibromochloromethane	50	55.6	111	78-117
75-71-8	Dichlorodifluoromethane	50	53.8	108	35-162
156-59-2	cis-1,2-Dichloroethylene	50	54.1	108	74-123
10061-01-5	cis-1,3-Dichloropropene	50	60.0	120	79-130

Blank Spike Summary

Job Number: F52039
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF443-BS	F023175.D	1	09/05/07	WJ	n/a	n/a	VF443

The QC reported here applies to the following samples: **Method:** SW846 8260B

F52039-2, F52039-3, F52039-4, F52039-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	58.1	116	71-126
541-73-1	m-Dichlorobenzene	50	55.6	111	82-126
95-50-1	o-Dichlorobenzene	50	54.9	110	83-123
106-46-7	p-Dichlorobenzene	50	55.9	112	84-124
156-60-5	trans-1,2-Dichloroethylene	50	57.8	116	77-129
10061-02-6	trans-1,3-Dichloropropene	50	59.5	119	87-131
100-41-4	Ethylbenzene	50	56.2	112	82-124
97-63-2	Ethyl methacrylate	50	52.3	105	78-118
76-13-1	Freon 113	50	59.8	120	62-147
591-78-6	2-Hexanone	250	268	107	67-130
87-68-3	Hexachlorobutadiene	50	65.7	131	77-150
110-54-3	Hexane	50	49.0	98	65-147
98-82-8	Isopropylbenzene	50	61.4	123	82-133
99-87-6	p-Isopropyltoluene	50	57.4	115	82-132
108-10-1	4-Methyl-2-pentanone	250	259	104	69-125
126-98-7	Methacrylonitrile	500	575	115	70-138
74-83-9	Methyl bromide	50	65.3	131	60-146
74-87-3	Methyl chloride	50	67.9	136	58-163
74-88-4	Methyl iodide	50	54.5	109	66-128
80-62-6	Methyl methacrylate	50	58.6	117	73-125
74-95-3	Methylene bromide	50	58.0	116	75-128
75-09-2	Methylene chloride	50	49.3	99	62-140
78-93-3	Methyl ethyl ketone	250	274	110	66-134
1634-04-4	Methyl Tert Butyl Ether	50	56.8	114	70-131
91-20-3	Naphthalene	50	53.2	106	59-143
76-01-7	Pentachloroethane	50	55.1	110	64-156
107-12-0	Propionitrile	500	556	111	73-133
103-65-1	n-Propylbenzene	50	54.7	109	78-129
100-42-5	Styrene	50	55.0	110	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	57.6	115	81-121
71-55-6	1,1,1-Trichloroethane	50	66.5	133	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	47.9	96	70-128
79-00-5	1,1,2-Trichloroethane	50	49.8	100	76-118
87-61-6	1,2,3-Trichlorobenzene	50	58.1	116	78-136
96-18-4	1,2,3-Trichloropropane	50	51.1	102	74-125
120-82-1	1,2,4-Trichlorobenzene	50	59.3	119	82-137

Blank Spike Summary

Job Number: F52039
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF443-BS	F023175.D	1	09/05/07	WJ	n/a	n/a	VF443

The QC reported here applies to the following samples: **Method:** SW846 8260B

F52039-2, F52039-3, F52039-4, F52039-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	53.5	107	77-129
108-67-8	1,3,5-Trimethylbenzene	50	55.2	110	79-129
127-18-4	Tetrachloroethylene	50	61.1	122	79-132
108-88-3	Toluene	50	53.0	106	80-123
79-01-6	Trichloroethylene	50	60.5	121	78-132
75-69-4	Trichlorofluoromethane	50	71.5	143	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	57.2	114	74-138
75-01-4	Vinyl chloride	50	65.9	132	60-145
108-05-4	Vinyl Acetate	250	290	116	25-164
	m,p-Xylene	100	115	115	82-128
95-47-6	o-Xylene	50	57.4	115	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	107%	80-121%
2037-26-5	Toluene-D8	94%	71-130%
460-00-4	4-Bromofluorobenzene	95%	59-148%
17060-07-0	1,2-Dichloroethane-D4	112%	77-123%

Blank Spike Summary

Job Number: F52039
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF444-BS	F023216.D	1	09/06/07	WJ	n/a	n/a	VF444

The QC reported here applies to the following samples: **Method:** SW846 8260B

F52039-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	189	76	61-144
75-05-8	Acetonitrile	500	576	115	59-139
107-02-8	Acrolein	250	90.7	36	27-156
107-13-1	Acrylonitrile	250	256	102	55-144
107-05-1	Allyl chloride	50	55.9	112	41-152
71-43-2	Benzene	50	51.7	103	78-130
100-44-7	Benzyl Chloride	50	50.4	101	74-130
108-86-1	Bromobenzene	50	51.4	103	78-123
74-97-5	Bromochloromethane	50	49.6	99	72-122
75-27-4	Bromodichloromethane	50	50.1	100	73-122
75-25-2	Bromoform	50	51.3	103	70-139
104-51-8	n-Butylbenzene	50	53.6	107	80-138
135-98-8	sec-Butylbenzene	50	54.0	108	82-132
98-06-6	tert-Butylbenzene	50	53.4	107	79-130
108-90-7	Chlorobenzene	50	52.5	105	83-122
75-00-3	Chloroethane	50	54.7	109	61-153
67-66-3	Chloroform	50	51.9	104	79-129
544-10-5	1-Chlorohexane	50	55.6	111	85-137
95-49-8	o-Chlorotoluene	50	52.1	104	77-123
106-43-4	p-Chlorotoluene	50	52.8	106	78-129
110-75-8	2-Chloroethyl vinyl ether	250	267	107	52-142
75-15-0	Carbon disulfide	50	49.3	99	61-142
56-23-5	Carbon tetrachloride	50	52.1	104	79-135
75-34-3	1,1-Dichloroethane	50	52.4	105	77-132
75-35-4	1,1-Dichloroethylene	50	51.8	104	66-132
563-58-6	1,1-Dichloropropene	50	53.8	108	81-133
96-12-8	1,2-Dibromo-3-chloropropane	50	53.4	107	67-129
106-93-4	1,2-Dibromoethane	50	52.4	105	77-126
107-06-2	1,2-Dichloroethane	50	52.0	104	78-129
78-87-5	1,2-Dichloropropane	50	52.5	105	74-127
142-28-9	1,3-Dichloropropane	50	51.3	103	78-118
594-20-7	2,2-Dichloropropane	50	51.3	103	80-137
124-48-1	Dibromochloromethane	50	50.7	101	78-117
75-71-8	Dichlorodifluoromethane	50	51.2	102	35-162
156-59-2	cis-1,2-Dichloroethylene	50	50.5	101	74-123
10061-01-5	cis-1,3-Dichloropropene	50	53.5	107	79-130

Blank Spike Summary

Job Number: F52039
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF444-BS	F023216.D	1	09/06/07	WJ	n/a	n/a	VF444

The QC reported here applies to the following samples: **Method:** SW846 8260B

F52039-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
1476-11-5	cis-1,4-Dichloro-2-Butene	50	63.9	128*	71-126
541-73-1	m-Dichlorobenzene	50	52.5	105	82-126
95-50-1	o-Dichlorobenzene	50	52.7	105	83-123
106-46-7	p-Dichlorobenzene	50	53.1	106	84-124
156-60-5	trans-1,2-Dichloroethylene	50	51.1	102	77-129
10061-02-6	trans-1,3-Dichloropropene	50	55.7	111	87-131
100-41-4	Ethylbenzene	50	50.7	101	82-124
97-63-2	Ethyl methacrylate	50	53.8	108	78-118
76-13-1	Freon 113	50	52.8	106	62-147
591-78-6	2-Hexanone	250	256	102	67-130
87-68-3	Hexachlorobutadiene	50	53.3	107	77-150
110-54-3	Hexane	50	52.9	106	65-147
98-82-8	Isopropylbenzene	50	54.2	108	82-133
99-87-6	p-Isopropyltoluene	50	53.4	107	82-132
108-10-1	4-Methyl-2-pentanone	250	268	107	69-125
126-98-7	Methacrylonitrile	500	568	114	70-138
74-83-9	Methyl bromide	50	57.9	116	60-146
74-87-3	Methyl chloride	50	67.8	136	58-163
74-88-4	Methyl iodide	50	47.1	94	66-128
80-62-6	Methyl methacrylate	50	54.8	110	73-125
74-95-3	Methylene bromide	50	53.4	107	75-128
75-09-2	Methylene chloride	50	57.0	114	62-140
78-93-3	Methyl ethyl ketone	250	247	99	66-134
1634-04-4	Methyl Tert Butyl Ether	50	49.7	99	70-131
91-20-3	Naphthalene	50	56.4	113	59-143
76-01-7	Pentachloroethane	50	50.9	102	64-156
107-12-0	Propionitrile	500	564	113	73-133
103-65-1	n-Propylbenzene	50	53.5	107	78-129
100-42-5	Styrene	50	50.7	101	79-123
630-20-6	1,1,1,2-Tetrachloroethane	50	50.3	101	81-121
71-55-6	1,1,1-Trichloroethane	50	52.8	106	80-133
79-34-5	1,1,2,2-Tetrachloroethane	50	53.9	108	70-128
79-00-5	1,1,2-Trichloroethane	50	51.6	103	76-118
87-61-6	1,2,3-Trichlorobenzene	50	53.3	107	78-136
96-18-4	1,2,3-Trichloropropane	50	53.9	108	74-125
120-82-1	1,2,4-Trichlorobenzene	50	53.7	107	82-137

Blank Spike Summary

Job Number: F52039
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF444-BS	F023216.D	1	09/06/07	WJ	n/a	n/a	VF444

The QC reported here applies to the following samples: **Method:** SW846 8260B

F52039-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	50	51.7	103	77-129
108-67-8	1,3,5-Trimethylbenzene	50	52.4	105	79-129
127-18-4	Tetrachloroethylene	50	53.4	107	79-132
108-88-3	Toluene	50	50.7	101	80-123
79-01-6	Trichloroethylene	50	52.2	104	78-132
75-69-4	Trichlorofluoromethane	50	61.4	123	67-149
110-57-6	Trans-1,4-Dichloro-2-Butene	50	56.9	114	74-138
75-01-4	Vinyl chloride	50	63.6	127	60-145
108-05-4	Vinyl Acetate	250	302	121	25-164
	m,p-Xylene	100	103	103	82-128
95-47-6	o-Xylene	50	51.8	104	82-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	80-121%
2037-26-5	Toluene-D8	98%	71-130%
460-00-4	4-Bromofluorobenzene	100%	59-148%
17060-07-0	1,2-Dichloroethane-D4	102%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F52039
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52031-2MS	F023152.D	1	09/04/07	WJ	n/a	n/a	VF442
F52031-2MSD	F023153.D	1	09/04/07	WJ	n/a	n/a	VF442
F52031-2 [a]	F023151.D	1	09/04/07	WJ	n/a	n/a	VF442
F52031-2 [b]	F023163.D	1	09/04/07	WJ	n/a	n/a	VF442

The QC reported here applies to the following samples: **Method:** SW846 8260B

F52039-6, F52039-7

CAS No.	Compound	F52031-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	139 [c]	J	311	235	31*	251	36*	7	61-144/29
75-05-8	Acetonitrile	59 U		621	392	63	470	75	18	59-139/30
107-02-8	Acrolein	30 U		311	203	65	94.1	30	73*	27-156/39
107-13-1	Acrylonitrile	30 U		311	193	62	189	60	2	55-144/24
107-05-1	Allyl chloride	30 U		62.1	59.1	95	58.3	93	1	41-152/24
71-43-2	Benzene	5.8 U [c]		62.1	68.2	110	67.0	107	2	78-130/25
100-44-7	Benzyl Chloride	5.9 U		62.1	102	164*	174	277*	52*	74-130/28
108-86-1	Bromobenzene	5.9 U		62.1	59.2	95	65.9	105	11	78-123/30
74-97-5	Bromochloromethane	5.9 U		62.1	58.3	94	56.6	90	3	72-122/23
75-27-4	Bromodichloromethane	5.8 U [c]		62.1	58.0	93	56.2	89	3	73-122/25
75-25-2	Bromoform	5.8 U [c]		62.1	53.6	86	50.8	81	5	70-139/26
104-51-8	n-Butylbenzene	5.9 U		62.1	34.3	55*	23.3	37*	38*	80-138/31
135-98-8	sec-Butylbenzene	41.5		62.1	55.1	89	58.2	93	5	82-132/29
98-06-6	tert-Butylbenzene	5.9 U		62.1	52.4	84	41.7	66*	23	79-130/29
108-90-7	Chlorobenzene	5.8 U [c]		62.1	67.2	108	69.6	111	4	83-122/23
75-00-3	Chloroethane	5.8 U [c]		62.1	54.3	87	54.4	87	0	61-153/31
67-66-3	Chloroform	5.8 U [c]		62.1	64.3	104	62.3	99	3	79-129/27
544-10-5	1-Chlorohexane	5.9 U		62.1	68.0	109	56.9	91	18	85-137/29
95-49-8	o-Chlorotoluene	5.9 U		62.1	56.3	91	53.6	85	5	77-123/31
106-43-4	p-Chlorotoluene	5.9 U		62.1	57.9	93	62.9	100	8	78-129/29
110-75-8	2-Chloroethyl vinyl ether	30 U		311	392	126	402	128	3	52-142/25
75-15-0	Carbon disulfide	5.8 U [c]		62.1	61.3	99	59.5	95	3	61-142/27
56-23-5	Carbon tetrachloride	5.8 U [c]		62.1	67.8	109	70.1	112	3	79-135/29
75-34-3	1,1-Dichloroethane	5.8 U [c]		62.1	65.4	105	63.7	101	3	77-132/26
75-35-4	1,1-Dichloroethylene	5.8 U [c]		62.1	59.9	96	60.3	96	1	66-132/27
563-58-6	1,1-Dichloropropene	5.9 U		62.1	68.4	110	65.2	104	5	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	5.9 U		62.1	37.2	60*	43.1	69	15	67-129/29
106-93-4	1,2-Dibromoethane	5.9 U		62.1	54.1	87	56.4	90	4	77-126/24
107-06-2	1,2-Dichloroethane	5.8 U [c]		62.1	55.7	90	55.5	88	0	78-129/24
78-87-5	1,2-Dichloropropane	5.8 U [c]		62.1	63.5	102	62.0	99	2	74-127/27
142-28-9	1,3-Dichloropropane	5.9 U		62.1	55.4	89	57.4	91	4	78-118/26
594-20-7	2,2-Dichloropropane	5.9 U		62.1	66.8	108	64.2	102	4	80-137/28
124-48-1	Dibromochloromethane	5.8 U [c]		62.1	57.1	92	59.0	94	3	78-117/27
75-71-8	Dichlorodifluoromethane	5.9 U		62.1	46.1	74	46.4	74	1	35-162/30
156-59-2	cis-1,2-Dichloroethylene	5.8 U [c]		62.1	63.1	102	61.5	98	3	74-123/26
10061-01-5	cis-1,3-Dichloropropene	5.8 U [c]		62.1	62.1	100	59.8	95	4	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F52039
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52031-2MS	F023152.D	1	09/04/07	WJ	n/a	n/a	VF442
F52031-2MSD	F023153.D	1	09/04/07	WJ	n/a	n/a	VF442
F52031-2 [a]	F023151.D	1	09/04/07	WJ	n/a	n/a	VF442
F52031-2 [b]	F023163.D	1	09/04/07	WJ	n/a	n/a	VF442

The QC reported here applies to the following samples: **Method:** SW846 8260B

F52039-6, F52039-7

CAS No.	Compound	F52031-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	30 U		62.1	216	348*	ND	0*	200*	71-126/28
541-73-1	m-Dichlorobenzene	5.9 U		62.1	50.1	81*	39.9	63*	23	82-126/29
95-50-1	o-Dichlorobenzene	5.9 U		62.1	44.4	71*	36.0	57*	21	83-123/28
106-46-7	p-Dichlorobenzene	5.9 U		62.1	52.3	84	45.1	72*	15	84-124/28
156-60-5	trans-1,2-Dichloroethylene	5.8 U [c]		62.1	64.2	103	63.3	101	1	77-129/27
10061-02-6	trans-1,3-Dichloropropene	5.8 U [c]		62.1	61.7	99	63.8	101	3	87-131/27
100-41-4	Ethylbenzene	5.8 U [c]		62.1	67.4	109	62.9	100	7	82-124/25
97-63-2	Ethyl methacrylate	30 U		62.1	49.7	80	60.9	97	20	78-118/30
76-13-1	Freon 113	5.9 U		62.1	64.4	104	59.3	94	8	62-147/29
591-78-6	2-Hexanone	29 U [c]		311	213	69	241	77	12	67-130/29
87-68-3	Hexachlorobutadiene	5.9 U		62.1	16.7	27*	7.6	12*	75*	77-150/36
110-54-3	Hexane	5.9 U		62.1	41.2	62*	31.6	46*	26	65-147/27
98-82-8	Isopropylbenzene	18.1		62.1	71.1	104	57.6	81*	21	82-133/27
99-87-6	p-Isopropyltoluene	5.9 U		62.1	46.3	75*	34.7	55*	29	82-132/29
108-10-1	4-Methyl-2-pentanone	29 U [c]		311	220	71	248	79	12	69-125/24
126-98-7	Methacrylonitrile	30 U		621	431	69*	423	67*	2	70-138/22
74-83-9	Methyl bromide	5.8 U [c]		62.1	62.5	101	65.4	104	5	60-146/31
74-87-3	Methyl chloride	5.8 U [c]		62.1	63.3	102	64.8	103	2	58-163/26
74-88-4	Methyl iodide	12 U		62.1	61.9	100	61.0	97	1	66-128/27
80-62-6	Methyl methacrylate	30 U		62.1	77.9	125	145	231*	60*	73-125/24
74-95-3	Methylene bromide	5.9 U		62.1	54.9	88	53.4	85	3	75-128/26
75-09-2	Methylene chloride	13.2 [c]	V	62.1	70.0	91	71.6	93	2	62-140/25
78-93-3	Methyl ethyl ketone	29 U [c]		311	188	61*	194	62*	3	66-134/23
1634-04-4	Methyl Tert Butyl Ether	5.9 U		62.1	54.2	87	50.0	80	8	70-131/25
91-20-3	Naphthalene	5.9 U		62.1	23.2	37*	16.3	26*	35*	59-143/31
76-01-7	Pentachloroethane	30 U		62.1	34.4	55*	29.7	47*	15	64-156/37
107-12-0	Propionitrile	59 U		621	406	65*	404	64*	0	73-133/23
103-65-1	n-Propylbenzene	26.3		62.1	62.9	85	68.0	92	8	78-129/29
100-42-5	Styrene	5.8 U [c]		62.1	62.2	100	56.6	90	9	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	5.9 U		62.1	65.1	105	62.7	100	4	81-121/25
71-55-6	1,1,1-Trichloroethane	5.8 U [c]		62.1	67.8	109	65.3	104	4	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	5.8 U [c]		62.1	232	374*	775	1233*	108*	70-128/30
79-00-5	1,1,2-Trichloroethane	5.8 U [c]		62.1	63.1	102	272	433*	125*	76-118/28
87-61-6	1,2,3-Trichlorobenzene	5.9 U		62.1	52.7	85	36.7	58*	36*	78-136/34
96-18-4	1,2,3-Trichloropropane	5.9 U		62.1	86.6	139*	190	302*	75*	74-125/30
120-82-1	1,2,4-Trichlorobenzene	5.9 U		62.1	26.1	42*	15.3	24*	52*	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F52039
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52031-2MS	F023152.D	1	09/04/07	WJ	n/a	n/a	VF442
F52031-2MSD	F023153.D	1	09/04/07	WJ	n/a	n/a	VF442
F52031-2 [a]	F023151.D	1	09/04/07	WJ	n/a	n/a	VF442
F52031-2 [b]	F023163.D	1	09/04/07	WJ	n/a	n/a	VF442

The QC reported here applies to the following samples: **Method:** SW846 8260B

F52039-6, F52039-7

CAS No.	Compound	F52031-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	4.3	I	62.1	45.9	74*	33.4	53*	32*	77-129/29
108-67-8	1,3,5-Trimethylbenzene	5.9 U		62.1	54.0	87	45.5	72*	17	79-129/31
127-18-4	Tetrachloroethylene	5.8 U [c]		62.1	88.1	142*	80.5	128	9	79-132/27
108-88-3	Toluene	5.8 U [c]		62.1	67.6	109	70.0	111	3	80-123/26
79-01-6	Trichloroethylene	5.8 U [c]		62.1	69.6	112	67.1	107	4	78-132/28
75-69-4	Trichlorofluoromethane	5.9 U		62.1	59.5	96	56.9	91	4	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	30 U		62.1	78.3	126	210	334*	91*	74-138/30
75-01-4	Vinyl chloride	5.8 U [c]		62.1	63.2	102	64.0	102	1	60-145/29
108-05-4	Vinyl Acetate	30 U		311	61.3	20*	36.1	11*	52*	25-164/35
	m,p-Xylene	3.9	I	124	136	108	125	98	8	82-128/25
95-47-6	o-Xylene	5.9 U		62.1	67.5	109	59.9	95	12	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F52031-2	F52031-2	Limits
1868-53-7	Dibromofluoromethane	96%	95%	99%	101%	80-121%
2037-26-5	Toluene-D8	103%	107%	101%	100%	71-130%
460-00-4	4-Bromofluorobenzene	152%* [d]	312%*	344%*	226%* [d]	59-148%
17060-07-0	1,2-Dichloroethane-D4	82%	83%	100%	99%	77-123%

(a) Confirmation run.
(b) Sample was received in a bulk container but was not preserved within 48 hours of sampling.
(c) Result is from Run #2.
(d) Outside control limits due to matrix interference. Confirmed by reanalysis.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F52039
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52038-5MS	F023178.D	1	09/05/07	WJ	n/a	n/a	VF443
F52038-5MSD	F023179.D	1	09/05/07	WJ	n/a	n/a	VF443
F52038-5	F023177.D	1	09/05/07	WJ	n/a	n/a	VF443

The QC reported here applies to the following samples: **Method:** SW846 8260B

F52039-2, F52039-3, F52039-4, F52039-5

CAS No.	Compound	F52038-5 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		18700	9300	50*	10100	54*	8	61-144/29
75-05-8	Acetonitrile	ND		37400	21900	59	21800	58*	0	59-139/30
107-02-8	Acrolein	ND		18700	6880	37	7530	40	9	27-156/39
107-13-1	Acrylonitrile	ND		18700	9640	52*	10600	57	9	55-144/24
107-05-1	Allyl chloride	ND		3740	3620	97	3830	102	6	41-152/24
71-43-2	Benzene	ND		3740	3620	97	3850	103	6	78-130/25
100-44-7	Benzyl Chloride	ND		3740	2630	70*	2730	73*	4	74-130/28
108-86-1	Bromobenzene	ND		3740	3390	91	3650	98	7	78-123/30
74-97-5	Bromochloromethane	ND		3740	3140	84	3350	90	6	72-122/23
75-27-4	Bromodichloromethane	ND		3740	3540	95	3760	101	6	73-122/25
75-25-2	Bromoform	ND		3740	2810	75	3110	83	10	70-139/26
104-51-8	n-Butylbenzene	ND		3740	3660	98	3820	102	4	80-138/31
135-98-8	sec-Butylbenzene	ND		3740	3860	103	4090	109	6	82-132/29
98-06-6	tert-Butylbenzene	ND		3740	3910	105	4150	111	6	79-130/29
108-90-7	Chlorobenzene	ND		3740	3560	95	3800	102	7	83-122/23
75-00-3	Chloroethane	ND		3740	2970	79	3120	83	5	61-153/31
67-66-3	Chloroform	ND		3740	3790	101	3990	107	5	79-129/27
544-10-5	1-Chlorohexane	ND		3740	3890	104	4070	109	5	85-137/29
95-49-8	o-Chlorotoluene	ND		3740	3600	96	3830	102	6	77-123/31
106-43-4	p-Chlorotoluene	ND		3740	3640	97	3860	103	6	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		18700	18400	98	20100	107	9	52-142/25
75-15-0	Carbon disulfide	ND		3740	2870	77	3160	84	10	61-142/27
56-23-5	Carbon tetrachloride	ND		3740	4140	111	4300	115	4	79-135/29
75-34-3	1,1-Dichloroethane	ND		3740	3700	99	3930	105	6	77-132/26
75-35-4	1,1-Dichloroethylene	ND		3740	3280	88	3660	98	11	66-132/27
563-58-6	1,1-Dichloropropene	ND		3740	3920	105	4110	110	5	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		3740	2550	68	2580	69	1	67-129/29
106-93-4	1,2-Dibromoethane	ND		3740	2760	74*	3020	81	9	77-126/24
107-06-2	1,2-Dichloroethane	ND		3740	3510	94	3720	99	6	78-129/24
78-87-5	1,2-Dichloropropane	ND		3740	3470	93	3690	99	6	74-127/27
142-28-9	1,3-Dichloropropane	ND		3740	2830	76*	3100	83	9	78-118/26
594-20-7	2,2-Dichloropropane	ND		3740	4170	111	4400	118	5	80-137/28
124-48-1	Dibromochloromethane	ND		3740	3090	83	3400	91	10	78-117/27
75-71-8	Dichlorodifluoromethane	ND		3740	3370	90	3620	97	7	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		3740	3400	91	3660	98	7	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		3740	3550	95	3760	101	6	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F52039
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52038-5MS	F023178.D	1	09/05/07	WJ	n/a	n/a	VF443
F52038-5MSD	F023179.D	1	09/05/07	WJ	n/a	n/a	VF443
F52038-5	F023177.D	1	09/05/07	WJ	n/a	n/a	VF443

The QC reported here applies to the following samples: **Method:** SW846 8260B

F52039-2, F52039-3, F52039-4, F52039-5

CAS No.	Compound	F52038-5 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		3740	2790	75	3130	84	11	71-126/28
541-73-1	m-Dichlorobenzene	ND		3740	3610	96	3870	103	7	82-126/29
95-50-1	o-Dichlorobenzene	ND		3740	3440	92	3700	99	7	83-123/28
106-46-7	p-Dichlorobenzene	ND		3740	3590	96	3830	102	6	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		3740	3700	99	3970	106	7	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		3740	3400	91	3700	99	8	87-131/27
100-41-4	Ethylbenzene	ND		3740	3680	98	3930	105	7	82-124/25
97-63-2	Ethyl methacrylate	ND		3740	2590	69*	2890	77*	11	78-118/30
76-13-1	Freon 113	ND		3740	2880	77	3540	95	21	62-147/29
591-78-6	2-Hexanone	ND		18700	11100	59*	12800	68	14	67-130/29
87-68-3	Hexachlorobutadiene	ND		3740	4210	113	4370	117	4	77-150/36
110-54-3	Hexane	ND		3740	2820	75	2930	78	4	65-147/27
98-82-8	Isopropylbenzene	1880		3740	5440	95	5910	108	8	82-133/27
99-87-6	p-Isopropyltoluene	ND		3740	3830	102	4090	109	7	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		18700	10800	58*	12000	64*	11	69-125/24
126-98-7	Methacrylonitrile	ND		37400	25000	67*	27200	73	8	70-138/22
74-83-9	Methyl bromide	ND		3740	3090	83	3180	85	3	60-146/31
74-87-3	Methyl chloride	ND		3740	4290	115	4540	121	6	58-163/26
74-88-4	Methyl iodide	ND		3740	3170	85	3330	89	5	66-128/27
80-62-6	Methyl methacrylate	ND		3740	3700	99	4070	109	10	73-125/24
74-95-3	Methylene bromide	ND		3740	3050	82	3270	87	7	75-128/26
75-09-2	Methylene chloride	462	J	3740	3590	84	3630	85	1	62-140/25
78-93-3	Methyl ethyl ketone	ND		18700	10100	54*	11200	60*	10	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		3740	3110	83	3450	92	10	70-131/25
91-20-3	Naphthalene	ND		3740	2550	68	2850	76	11	59-143/31
76-01-7	Pentachloroethane	ND		3740	3060	82	3090	83	1	64-156/37
107-12-0	Propionitrile	ND		37400	22200	59*	24100	64*	8	73-133/23
103-65-1	n-Propylbenzene	ND		3740	3660	98	3890	104	6	78-129/29
100-42-5	Styrene	ND		3740	3460	92	3730	100	8	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		3740	3570	95	3880	104	8	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		3740	4130	110	4390	117	6	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		3740	2480	66*	2680	72	8	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		3740	2820	75*	3060	82	8	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		3740	3390	91	3660	98	8	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		3740	2520	67*	2740	73*	8	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		3740	3660	98	3860	103	5	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F52039
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52038-5MS	F023178.D	1	09/05/07	WJ	n/a	n/a	VF443
F52038-5MSD	F023179.D	1	09/05/07	WJ	n/a	n/a	VF443
F52038-5	F023177.D	1	09/05/07	WJ	n/a	n/a	VF443

The QC reported here applies to the following samples: **Method:** SW846 8260B

F52039-2, F52039-3, F52039-4, F52039-5

CAS No.	Compound	F52038-5 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		3740	3580	96	3840	103	7	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		3740	3700	99	3960	106	7	79-129/31
127-18-4	Tetrachloroethylene	ND		3740	4340	116	4860	130	11	79-132/27
108-88-3	Toluene	ND		3740	3450	92	3690	99	7	80-123/26
79-01-6	Trichloroethylene	ND		3740	3850	103	4090	109	6	78-132/28
75-69-4	Trichlorofluoromethane	ND		3740	3430	92	3430	92	0	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		3740	2640	71*	2910	78	10	74-138/30
75-01-4	Vinyl chloride	ND		3740	4580	122	4920	132	7	60-145/29
108-05-4	Vinyl Acetate	ND		18700	13700	73	14400	77	5	25-164/35
	m,p-Xylene	ND		7480	7500	100	8030	107	7	82-128/25
95-47-6	o-Xylene	ND		3740	3720	99	3960	106	6	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F52038-5	Limits
1868-53-7	Dibromofluoromethane	102%	102%	107%	80-121%
2037-26-5	Toluene-D8	97%	98%	94%	71-130%
460-00-4	4-Bromofluorobenzene	99%	100%	98%	59-148%
17060-07-0	1,2-Dichloroethane-D4	94%	95%	112%	77-123%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F52039
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52072-3MS	F023219.D	1	09/06/07	WJ	n/a	n/a	VF444
F52072-3MSD	F023220.D	1	09/06/07	WJ	n/a	n/a	VF444
F52072-3	F023218.D	1	09/06/07	WJ	n/a	n/a	VF444

The QC reported here applies to the following samples: **Method:** SW846 8260B

F52039-1

CAS No.	Compound	F52072-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		322	139	43*	131	40*	6	61-144/29
75-05-8	Acetonitrile	ND		644	378	59	331	51*	13	59-139/30
107-02-8	Acrolein	ND		322	143	44	128	39	11	27-156/39
107-13-1	Acrylonitrile	ND		322	195	61	179	55	9	55-144/24
107-05-1	Allyl chloride	ND		64.4	65.5	102	61.5	94	6	41-152/24
71-43-2	Benzene	ND		64.4	60.3	94	56.3	86	7	78-130/25
100-44-7	Benzyl Chloride	ND		64.4	44.3	69*	40.4	62*	9	74-130/28
108-86-1	Bromobenzene	ND		64.4	58.6	91	55.0	84	6	78-123/30
74-97-5	Bromochloromethane	ND		64.4	53.2	83	49.9	77	6	72-122/23
75-27-4	Bromodichloromethane	ND		64.4	57.9	90	54.6	84	6	73-122/25
75-25-2	Bromoform	ND		64.4	50.5	78	47.4	73	6	70-139/26
104-51-8	n-Butylbenzene	ND		64.4	63.1	98	59.2	91	6	80-138/31
135-98-8	sec-Butylbenzene	ND		64.4	64.3	100	60.1	92	7	82-132/29
98-06-6	tert-Butylbenzene	ND		64.4	64.2	100	59.9	92	7	79-130/29
108-90-7	Chlorobenzene	ND		64.4	61.4	95	57.1	88	7	83-122/23
75-00-3	Chloroethane	ND		64.4	68.7	107	64.9	100	6	61-153/31
67-66-3	Chloroform	ND		64.4	61.5	96	57.3	88	7	79-129/27
544-10-5	1-Chlorohexane	ND		64.4	65.7	102	61.2	94	7	85-137/29
95-49-8	o-Chlorotoluene	ND		64.4	62.2	97	58.7	90	6	77-123/31
106-43-4	p-Chlorotoluene	ND		64.4	62.9	98	59.1	91	6	78-129/29
110-75-8	2-Chloroethyl vinyl ether	ND		322	261	81	241	74	8	52-142/25
75-15-0	Carbon disulfide	ND		64.4	58.7	91	54.6	84	7	61-142/27
56-23-5	Carbon tetrachloride	ND		64.4	69.0	107	57.9	89	17	79-135/29
75-34-3	1,1-Dichloroethane	ND		64.4	61.1	95	57.4	88	6	77-132/26
75-35-4	1,1-Dichloroethylene	6.2		64.4	55.3	76	51.8	70	7	66-132/27
563-58-6	1,1-Dichloropropene	ND		64.4	62.8	98	59.6	91	5	81-133/26
96-12-8	1,2-Dibromo-3-chloropropane	ND		64.4	45.3	70	45.3	69	0	67-129/29
106-93-4	1,2-Dibromoethane	ND		64.4	52.2	81	48.8	75*	7	77-126/24
107-06-2	1,2-Dichloroethane	ND		64.4	57.0	89	53.1	81	7	78-129/24
78-87-5	1,2-Dichloropropane	ND		64.4	59.9	93	56.8	87	5	74-127/27
142-28-9	1,3-Dichloropropane	ND		64.4	53.6	83	50.6	78	6	78-118/26
594-20-7	2,2-Dichloropropane	ND		64.4	60.7	94	55.0	84	10	80-137/28
124-48-1	Dibromochloromethane	ND		64.4	54.9	85	51.2	78	7	78-117/27
75-71-8	Dichlorodifluoromethane	ND		64.4	63.0	98	58.2	89	8	35-162/30
156-59-2	cis-1,2-Dichloroethylene	ND		64.4	56.8	88	54.1	83	5	74-123/26
10061-01-5	cis-1,3-Dichloropropene	ND		64.4	59.1	92	55.8	86	6	79-130/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F52039
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52072-3MS	F023219.D	1	09/06/07	WJ	n/a	n/a	VF444
F52072-3MSD	F023220.D	1	09/06/07	WJ	n/a	n/a	VF444
F52072-3	F023218.D	1	09/06/07	WJ	n/a	n/a	VF444

The QC reported here applies to the following samples: **Method:** SW846 8260B

F52039-1

CAS No.	Compound	F52072-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
1476-11-5	cis-1,4-Dichloro-2-Butene	ND		64.4	57.9	90	53.9	83	7	71-126/28
541-73-1	m-Dichlorobenzene	ND		64.4	62.0	96	57.8	89	7	82-126/29
95-50-1	o-Dichlorobenzene	ND		64.4	59.9	93	56.9	87	5	83-123/28
106-46-7	p-Dichlorobenzene	ND		64.4	62.2	97	58.3	89	6	84-124/28
156-60-5	trans-1,2-Dichloroethylene	ND		64.4	60.7	94	56.6	87	7	77-129/27
10061-02-6	trans-1,3-Dichloropropene	ND		64.4	60.5	94	55.4	85*	9	87-131/27
100-41-4	Ethylbenzene	ND		64.4	61.8	96	57.0	87	8	82-124/25
97-63-2	Ethyl methacrylate	ND		64.4	50.3	78	45.9	70*	9	78-118/30
76-13-1	Freon 113	ND		64.4	53.9	84	50.4	77	7	62-147/29
591-78-6	2-Hexanone	ND		322	204	63*	193	59*	6	67-130/29
87-68-3	Hexachlorobutadiene	ND		64.4	63.7	99	59.0	90	8	77-150/36
110-54-3	Hexane	2.4	J	64.4	61.3	92	57.8	85	6	65-147/27
98-82-8	Isopropylbenzene	ND		64.4	65.4	102	60.7	93	7	82-133/27
99-87-6	p-Isopropyltoluene	ND		64.4	64.0	99	59.6	91	7	82-132/29
108-10-1	4-Methyl-2-pentanone	ND		322	228	71	213	65*	7	69-125/24
126-98-7	Methacrylonitrile	ND		644	490	76	461	71	6	70-138/22
74-83-9	Methyl bromide	ND		64.4	82.1	128	75.5	116	8	60-146/31
74-87-3	Methyl chloride	ND		64.4	79.2	123	74.8	115	6	58-163/26
74-88-4	Methyl iodide	ND		64.4	56.3	87	52.5	80	7	66-128/27
80-62-6	Methyl methacrylate	ND		64.4	49.3	77	46.8	72*	5	73-125/24
74-95-3	Methylene bromide	ND		64.4	54.1	84	51.7	79	5	75-128/26
75-09-2	Methylene chloride	16.0		64.4	73.7	90	67.7	79	8	62-140/25
78-93-3	Methyl ethyl ketone	ND		322	188	58*	178	55*	5	66-134/23
1634-04-4	Methyl Tert Butyl Ether	ND		64.4	52.6	82	48.4	74	8	70-131/25
91-20-3	Naphthalene	ND		64.4	51.6	80	49.1	75	5	59-143/31
76-01-7	Pentachloroethane	ND		64.4	50.3	78	46.9	72	7	64-156/37
107-12-0	Propionitrile	ND		644	431	67*	402	62*	7	73-133/23
103-65-1	n-Propylbenzene	ND		64.4	64.2	100	59.8	92	7	78-129/29
100-42-5	Styrene	ND		64.4	59.7	93	55.4	85	7	79-123/28
630-20-6	1,1,1,2-Tetrachloroethane	ND		64.4	60.0	93	55.2	85	8	81-121/25
71-55-6	1,1,1-Trichloroethane	ND		64.4	66.3	103	60.1	92	10	80-133/27
79-34-5	1,1,2,2-Tetrachloroethane	ND		64.4	49.6	77	47.1	72	5	70-128/30
79-00-5	1,1,2-Trichloroethane	ND		64.4	54.3	84	50.4	77	7	76-118/28
87-61-6	1,2,3-Trichlorobenzene	ND		64.4	58.0	90	54.1	83	7	78-136/34
96-18-4	1,2,3-Trichloropropane	ND		64.4	48.4	75	45.5	70*	6	74-125/30
120-82-1	1,2,4-Trichlorobenzene	ND		64.4	60.7	94	57.0	87	6	82-137/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F52039
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52072-3MS	F023219.D	1	09/06/07	WJ	n/a	n/a	VF444
F52072-3MSD	F023220.D	1	09/06/07	WJ	n/a	n/a	VF444
F52072-3	F023218.D	1	09/06/07	WJ	n/a	n/a	VF444

The QC reported here applies to the following samples: **Method:** SW846 8260B

F52039-1

CAS No.	Compound	F52072-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		64.4	62.2	97	58.0	89	7	77-129/29
108-67-8	1,3,5-Trimethylbenzene	ND		64.4	62.9	98	58.4	90	7	79-129/31
127-18-4	Tetrachloroethylene	ND		64.4	71.7	111	67.9	104	5	79-132/27
108-88-3	Toluene	ND		64.4	60.2	94	56.2	86	7	80-123/26
79-01-6	Trichloroethylene	ND		64.4	62.7	97	58.3	89	7	78-132/28
75-69-4	Trichlorofluoromethane	ND		64.4	82.3	128	75.2	115	9	67-149/29
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		64.4	51.4	80	48.2	74	6	74-138/30
75-01-4	Vinyl chloride	ND		64.4	77.1	120	71.9	110	7	60-145/29
108-05-4	Vinyl Acetate	ND		322	266	83	242	74	9	25-164/35
	m,p-Xylene	ND		129	126	98	117	90	7	82-128/25
95-47-6	o-Xylene	ND		64.4	62.4	97	57.8	89	8	82-126/25

CAS No.	Surrogate Recoveries	MS	MSD	F52072-3	Limits
1868-53-7	Dibromofluoromethane	102%	99%	105%	80-121%
2037-26-5	Toluene-D8	99%	99%	98%	71-130%
460-00-4	4-Bromofluorobenzene	101%	100%	100%	59-148%
17060-07-0	1,2-Dichloroethane-D4	92%	93%	106%	77-123%

GC Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F52039
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3319-MB	CD079803.D	1	08/28/07	MM	n/a	n/a	GCD3319

The QC reported here applies to the following samples: **Method:** SW846 8015

F52039-1, F52039-2, F52039-3, F52039-5

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	93%	56-136%
98-08-8	aaa-Trifluorotoluene	84%	61-121%

Method Blank Summary

Job Number: F52039
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV1635-MB	UV028388.D	1	08/29/07	MM	n/a	n/a	GUV1635

The QC reported here applies to the following samples: **Method:** SW846 8015

F52039-4, F52039-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	99%	56-136%
98-08-8	aaa-Trifluorotoluene	101%	61-121%

Blank Spike Summary

Job Number: F52039
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3319-BS	CD079802.D	1	08/28/07	MM	n/a	n/a	GCD3319

The QC reported here applies to the following samples: **Method:** SW846 8015

F52039-1, F52039-2, F52039-3, F52039-5

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	19.5	98	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	97%	56-136%
98-08-8	aaa-Trifluorotoluene	107%	61-121%

Blank Spike Summary

Job Number: F52039
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUV1635-BS	UV028317.D	1	08/29/07	MM	n/a	n/a	GUV1635

The QC reported here applies to the following samples: **Method:** SW846 8015

F52039-4, F52039-6

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	19.6	98	74-121

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	111%	56-136%
98-08-8	aaa-Trifluorotoluene	94%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F52039
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52039-5MS	CD079830.D	1	08/28/07	MM	n/a	n/a	GCD3319
F52039-5MSD	CD079831.D	1	08/28/07	MM	n/a	n/a	GCD3319
F52039-5	CD079829.D	1	08/28/07	MM	n/a	n/a	GCD3319

The QC reported here applies to the following samples: **Method:** SW846 8015

F52039-1, F52039-2, F52039-3, F52039-5

CAS No.	Compound	F52039-5 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		31.4	27.3	87	29.0	92	6	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F52039-5	Limits
460-00-4	4-Bromofluorobenzene	102%	106%	89%	56-136%
98-08-8	aaa-Trifluorotoluene	98%	100%	85%	61-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F52039
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F52039-6MS	UV028401.D	1	08/29/07	MM	n/a	n/a	GUV1635
F52039-6MSD	UV028402.D	1	08/29/07	MM	n/a	n/a	GUV1635
F52039-6	UV028400.D	1	08/29/07	MM	n/a	n/a	GUV1635

The QC reported here applies to the following samples: **Method:** SW846 8015

F52039-4, F52039-6

CAS No.	Compound	F52039-6 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	247		190	429	96	414	88	4	74-121/17

CAS No.	Surrogate Recoveries	MS	MSD	F52039-6	Limits
460-00-4	4-Bromofluorobenzene	100% [a]	95% [a]		56-136%
460-00-4	4-Bromofluorobenzene	172%* [b]	149%* [b]	110%	56-136%
98-08-8	aaa-Trifluorotoluene	111% [a]	103% [a]		61-121%
98-08-8	aaa-Trifluorotoluene	138%* [b]	127%* [b]	107%	61-121%

(a) Result reported from PID.
(b) Outside control limits due to matrix interference.

Technical Report for

Bhate Environmental Associates, Inc.

HOLMN

PROJECT 9050361.01.02

Accutest Job Number: F52072

Sampling Date: 08/23/07

Report to:

Bhate Environmental Associates, Inc.

jmoore@bhate.com

ATTN: Jim Moore

Total number of pages in report: **29**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.

Test results relate only to samples analyzed.

Sections: 1 2 3 4

Table of Contents

-1-

Section 1: Sample Summary **3**

Section 2: Case Narrative/Conformance Summary **4**

Section 3: Sample Results **6**

3.1: F52072-1: SS61-DP84-12.5 7

3.2: F52072-2: SS61-DP84-25 11

3.3: F52072-3: SS61-DP85-12.5 15

3.4: F52072-4: SS61-DP85-25 19

3.5: F52072-5: 08232007-TB 23

Section 4: Misc. Forms **26**

4.1: Certification Exceptions 27

4.2: Chain of Custody 28

Sample Summary

Bhate Environmental Associates, Inc.

Job No: F52072

HOLMN
Project No: PROJECT 9050361.01.02

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F52072-1	08/23/07	14:00	BTMG	08/25/07	SO	Soil	SS61-DP84-12.5
F52072-2	08/23/07	14:10	BTMG	08/25/07	SO	Soil	SS61-DP84-25
F52072-3	08/23/07	15:05	BTMG	08/25/07	SO	Soil	SS61-DP85-12.5
F52072-4	08/23/07	15:15	BTMG	08/25/07	SO	Soil	SS61-DP85-25
F52072-5	08/23/07	00:00	BTMG	08/25/07	SO	Trip Blank Soil	08232007-TB

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Bhate Environmental Associates, Inc. **Job No:** F52072

Site: HOLMN **Report Date** 9/11/2007 12:55:46

4 Samples, 1 Trip Blank were collected on 08/23/2007 and received at Accutest on 08/25/2007 properly preserved, at 0.4 Deg. C and intact. These Samples received an Accutest job number of F52072. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO **Batch ID:** VF443

All samples were analyzed within the recommended method holding time.

Sample(s) F52038-5MS, F52038-5MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for 2-Chloroethyl vinyl ether are outside control limits. Recovery biased high, analyte not detected in the samples, data integrity not compromized.

Matrix Spike Recovery(s) for 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,2,3-Trichloropropane, 1,2-Dibromoethane, 1,3-Dichloropropane, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Acrylonitrile, Benzyl Chloride, Ethyl methacrylate, Methacrylonitrile, Methyl ethyl ketone, Propionitrile, Trans-1,4-Dichloro-2-Butene are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,2,3-Trichloropropane, 4-Methyl-2-pentanone, Acetone, Acetonitrile, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Propionitrile are outside control limits. Probable cause due to matrix interference. See Blank Spike.

Matrix: SO **Batch ID:** VF444

Sample(s) F52072-3MS, F52072-3MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

The following samples were run outside of holding time for method SW846 8260B: F52072-1, F52072-3, F52072-4

Blank Spike Recovery(s) for cis-1,4-Dichloro-2-Butene are outside control limits. Recovery biased high, analyte not detected in the samples, data integrity not compromized.

Matrix Spike Recovery(s) for 2-Hexanone, Acetone, Benzyl Chloride, Methyl ethyl ketone, Propionitrile are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1,2,3-Trichloropropane, 1,2-Dibromoethane, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Acetonitrile, Benzyl Chloride, Ethyl methacrylate, Methyl ethyl ketone, Methyl methacrylate, Propionitrile, trans-1,3-Dichloropropene are outside control limits. Probable cause due to matrix interference. See Blank Spike.

Volatiles by GC By Method SW846 8015

Matrix: SO **Batch ID:** GCD3320

All samples were analyzed within the recommended method holding time.

Sample(s) F52072-3MS, F52072-3MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Sample(s) F52039-6MS, F52039-6MSD have surrogates outside control limits. Probable cause due to matrix interference.

Matrix: SO **Batch ID:** GUV1635

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F52039-6MS, F52039-6MSD were used as the QC samples indicated.

Sample(s) F52039-6MS, F52039-6MSD have surrogates outside control limits. Probable cause due to matrix interference.

F52039-6MS for aaa-Trifluorotoluene: Result reported from PID.

F52039-6MSD for 4-Bromofluorobenzene: Result reported from PID.

F52039-6MSD for 4-Bromofluorobenzene: Outside control limits due to matrix interference.

F52039-6MSD for aaa-Trifluorotoluene: Result reported from PID.

F52039-6MS for 4-Bromofluorobenzene: Result reported from PID.

F52039-6MS for aaa-Trifluorotoluene: Outside control limits due to matrix interference.

F52039-6MS for 4-Bromofluorobenzene: Outside control limits due to matrix interference.

F52039-6MSD for aaa-Trifluorotoluene: Outside control limits due to matrix interference.

Wet Chemistry By Method EPA 160.3 M

Matrix: SO **Batch ID:** GN27189

Sample(s) F52060-1DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: September 11, 2007

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SS61-DP84-12.5		
Lab Sample ID:	F52072-1	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/25/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.3
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F023222.D	1	09/06/07	WJ	08/25/07 10:58	n/a	VF444
Run #2							

	Initial Weight
Run #1	5.73 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	51	25	ug/kg	
75-05-8	Acetonitrile	ND	51	17	ug/kg	
107-02-8	Acrolein	ND	25	11	ug/kg	
107-13-1	Acrylonitrile	ND	25	8.0	ug/kg	
107-05-1	Allyl chloride	ND	25	5.1	ug/kg	
71-43-2	Benzene	ND	5.1	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.1	1.0	ug/kg	
108-86-1	Bromobenzene	ND	5.1	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.1	1.0	ug/kg	
75-27-4	Bromodichloromethane	ND	5.1	1.0	ug/kg	
75-25-2	Bromoform	ND	5.1	1.0	ug/kg	
104-51-8	n-Butylbenzene	ND	5.1	1.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.1	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.1	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.1	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.1	2.6	ug/kg	
67-66-3	Chloroform	ND	5.1	1.0	ug/kg	
544-10-5	1-Chlorohexane	ND	5.1	1.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.1	1.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.1	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	5.1	ug/kg	
75-15-0	Carbon disulfide	ND	5.1	1.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.1	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.1	1.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.1	1.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.1	1.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.1	2.2	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.1	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.1	1.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.1	1.3	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.1	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.1	1.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP84-12.5		
Lab Sample ID:	F52072-1	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/25/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.3
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.1	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.1	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.1	1.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.1	1.0	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.1	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.1	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.1	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.1	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.1	1.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.1	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.1	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.1	ug/kg	
76-13-1	Freon 113	ND	5.1	1.3	ug/kg	
591-78-6	2-Hexanone	ND	25	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.1	1.6	ug/kg	
110-54-3	Hexane	ND	5.1	1.8	ug/kg	
98-82-8	Isopropylbenzene	ND	5.1	1.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.1	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	10	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.1	ug/kg	
74-83-9	Methyl bromide	ND	5.1	1.8	ug/kg	
74-87-3	Methyl chloride	ND	5.1	2.0	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.1	ug/kg	
74-95-3	Methylene bromide	ND	5.1	1.0	ug/kg	
75-09-2	Methylene chloride	ND	10	5.1	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.1	1.0	ug/kg	
91-20-3	Naphthalene	ND	5.1	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.1	ug/kg	
107-12-0	Propionitrile	ND	51	10	ug/kg	
103-65-1	n-Propylbenzene	ND	5.1	1.1	ug/kg	
100-42-5	Styrene	ND	5.1	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.1	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.1	1.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.1	1.3	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.1	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.1	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.1	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.1	1.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP84-12.5		
Lab Sample ID:	F52072-1	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/25/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.3
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.1	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.1	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.1	1.0	ug/kg	
108-88-3	Toluene	ND	5.1	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.1	1.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.1	1.6	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.1	ug/kg	
75-01-4	Vinyl chloride	ND	5.1	1.4	ug/kg	
108-05-4	Vinyl Acetate	ND	25	5.1	ug/kg	
	m,p-Xylene	ND	10	1.1	ug/kg	
95-47-6	o-Xylene	ND	5.1	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		80-121%
2037-26-5	Toluene-D8	96%		71-130%
460-00-4	4-Bromofluorobenzene	99%		59-148%
17060-07-0	1,2-Dichloroethane-D4	112%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP84-12.5		
Lab Sample ID:	F52072-1	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/25/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	86.3
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD079836.D	1	08/28/07	MM	08/25/07 10:58	n/a	GCD3320
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.09 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.5	3.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%		56-136%
98-08-8	aaa-Trifluorotoluene	86%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP84-25		
Lab Sample ID:	F52072-2	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/25/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.9
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F023197.D	1	09/05/07	WJ	08/25/07 10:58	n/a	VF443
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.05 g	5.0 ml	100 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	2800	1400	ug/kg	
75-05-8	Acetonitrile	ND	2800	940	ug/kg	
107-02-8	Acrolein	ND	1400	610	ug/kg	
107-13-1	Acrylonitrile	ND	1400	440	ug/kg	
107-05-1	Allyl chloride	ND	1400	280	ug/kg	
71-43-2	Benzene	1110	280	55	ug/kg	
100-44-7	Benzyl Chloride	ND	280	55	ug/kg	
108-86-1	Bromobenzene	ND	280	55	ug/kg	
74-97-5	Bromochloromethane	ND	280	55	ug/kg	
75-27-4	Bromodichloromethane	ND	280	55	ug/kg	
75-25-2	Bromoform	ND	280	55	ug/kg	
104-51-8	n-Butylbenzene	ND	280	55	ug/kg	
135-98-8	sec-Butylbenzene	ND	280	61	ug/kg	
98-06-6	tert-Butylbenzene	ND	280	66	ug/kg	
108-90-7	Chlorobenzene	ND	280	55	ug/kg	
75-00-3	Chloroethane	ND	280	140	ug/kg	
67-66-3	Chloroform	ND	280	55	ug/kg	
544-10-5	1-Chlorohexane	ND	280	55	ug/kg	
95-49-8	o-Chlorotoluene	ND	280	66	ug/kg	
106-43-4	p-Chlorotoluene	ND	280	61	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	1400	280	ug/kg	
75-15-0	Carbon disulfide	ND	280	55	ug/kg	
56-23-5	Carbon tetrachloride	ND	280	72	ug/kg	
75-34-3	1,1-Dichloroethane	ND	280	61	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	280	55	ug/kg	
563-58-6	1,1-Dichloropropene	ND	280	55	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	280	120	ug/kg	
106-93-4	1,2-Dibromoethane	ND	280	55	ug/kg	
107-06-2	1,2-Dichloroethane	ND	280	55	ug/kg	
78-87-5	1,2-Dichloropropane	ND	280	72	ug/kg	
142-28-9	1,3-Dichloropropane	ND	280	55	ug/kg	
594-20-7	2,2-Dichloropropane	ND	280	66	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP84-25		
Lab Sample ID:	F52072-2	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/25/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.9
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	280	55	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	280	110	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	280	55	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	280	55	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	1400	280	ug/kg	
541-73-1	m-Dichlorobenzene	ND	280	55	ug/kg	
95-50-1	o-Dichlorobenzene	ND	280	55	ug/kg	
106-46-7	p-Dichlorobenzene	ND	280	55	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	280	55	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	280	55	ug/kg	
100-41-4	Ethylbenzene	181	280	55	ug/kg	J
97-63-2	Ethyl methacrylate	ND	1400	280	ug/kg	
76-13-1	Freon 113	ND	280	72	ug/kg	
591-78-6	2-Hexanone	ND	1400	550	ug/kg	
87-68-3	Hexachlorobutadiene	ND	280	88	ug/kg	
110-54-3	Hexane	ND	280	99	ug/kg	
98-82-8	Isopropylbenzene	211	280	55	ug/kg	J
99-87-6	p-Isopropyltoluene	ND	280	55	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1400	550	ug/kg	
126-98-7	Methacrylonitrile	ND	1400	280	ug/kg	
74-83-9	Methyl bromide	ND	280	99	ug/kg	
74-87-3	Methyl chloride	ND	280	110	ug/kg	
74-88-4	Methyl iodide	ND	550	110	ug/kg	
80-62-6	Methyl methacrylate	ND	1400	280	ug/kg	
74-95-3	Methylene bromide	ND	280	55	ug/kg	
75-09-2	Methylene chloride	505	550	280	ug/kg	J
78-93-3	Methyl ethyl ketone	ND	1400	550	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	280	55	ug/kg	
91-20-3	Naphthalene	ND	280	110	ug/kg	
76-01-7	Pentachloroethane	ND	1400	280	ug/kg	
107-12-0	Propionitrile	ND	2800	550	ug/kg	
103-65-1	n-Propylbenzene	ND	280	61	ug/kg	
100-42-5	Styrene	ND	280	55	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	280	55	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	280	55	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	280	72	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	280	55	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	280	110	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	280	100	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	280	61	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP84-25		
Lab Sample ID:	F52072-2	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/25/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	86.9
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	280	61	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	280	55	ug/kg	
127-18-4	Tetrachloroethylene	ND	280	55	ug/kg	
108-88-3	Toluene	ND	280	55	ug/kg	
79-01-6	Trichloroethylene	ND	280	55	ug/kg	
75-69-4	Trichlorofluoromethane	ND	280	88	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	1400	280	ug/kg	
75-01-4	Vinyl chloride	ND	280	77	ug/kg	
108-05-4	Vinyl Acetate	ND	1400	280	ug/kg	
	m,p-Xylene	ND	550	61	ug/kg	
95-47-6	o-Xylene	ND	280	55	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	115%		80-121%
2037-26-5	Toluene-D8	92%		71-130%
460-00-4	4-Bromofluorobenzene	97%		59-148%
17060-07-0	1,2-Dichloroethane-D4	121%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP84-25		
Lab Sample ID:	F52072-2	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/25/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	86.9
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV028403.D	1	08/29/07	MM	08/25/07 10:58	n/a	GUV1635
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.05 g	5.0 ml	30.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	20.4	18	9.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	106%		56-136%
98-08-8	aaa-Trifluorotoluene	90%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP85-12.5		
Lab Sample ID:	F52072-3	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/25/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.8
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F023218.D	1	09/06/07	WJ	08/25/07 10:58	n/a	VF444
Run #2							

	Initial Weight
Run #1	5.07 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	58	29	ug/kg	
75-05-8	Acetonitrile	ND	58	20	ug/kg	
107-02-8	Acrolein	ND	29	13	ug/kg	
107-13-1	Acrylonitrile	ND	29	9.2	ug/kg	
107-05-1	Allyl chloride	ND	29	5.8	ug/kg	
71-43-2	Benzene	ND	5.8	1.2	ug/kg	
100-44-7	Benzyl Chloride	ND	5.8	1.2	ug/kg	
108-86-1	Bromobenzene	ND	5.8	1.2	ug/kg	
74-97-5	Bromochloromethane	ND	5.8	1.2	ug/kg	
75-27-4	Bromodichloromethane	ND	5.8	1.2	ug/kg	
75-25-2	Bromoform	ND	5.8	1.2	ug/kg	
104-51-8	n-Butylbenzene	ND	5.8	1.2	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.8	1.3	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.8	1.4	ug/kg	
108-90-7	Chlorobenzene	ND	5.8	1.2	ug/kg	
75-00-3	Chloroethane	ND	5.8	3.0	ug/kg	
67-66-3	Chloroform	ND	5.8	1.2	ug/kg	
544-10-5	1-Chlorohexane	ND	5.8	1.2	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.8	1.4	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.8	1.3	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	29	5.8	ug/kg	
75-15-0	Carbon disulfide	ND	5.8	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.8	1.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.8	1.3	ug/kg	
75-35-4	1,1-Dichloroethylene	6.2	5.8	1.2	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.8	1.2	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.8	2.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.8	1.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.8	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.8	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.8	1.2	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.8	1.4	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP85-12.5		
Lab Sample ID:	F52072-3	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/25/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.8
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.8	1.2	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.8	2.3	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.8	1.2	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.8	1.2	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	29	5.8	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.8	1.2	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.8	1.2	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.8	1.2	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.8	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.8	1.2	ug/kg	
100-41-4	Ethylbenzene	ND	5.8	1.2	ug/kg	
97-63-2	Ethyl methacrylate	ND	29	5.8	ug/kg	
76-13-1	Freon 113	ND	5.8	1.5	ug/kg	
591-78-6	2-Hexanone	ND	29	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.8	1.9	ug/kg	
110-54-3	Hexane	2.4	5.8	2.1	ug/kg	J
98-82-8	Isopropylbenzene	ND	5.8	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.8	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	29	12	ug/kg	
126-98-7	Methacrylonitrile	ND	29	5.8	ug/kg	
74-83-9	Methyl bromide	ND	5.8	2.1	ug/kg	
74-87-3	Methyl chloride	ND	5.8	2.3	ug/kg	
74-88-4	Methyl iodide	ND	12	2.3	ug/kg	
80-62-6	Methyl methacrylate	ND	29	5.8	ug/kg	
74-95-3	Methylene bromide	ND	5.8	1.2	ug/kg	
75-09-2	Methylene chloride	16.0	12	5.8	ug/kg	
78-93-3	Methyl ethyl ketone	ND	29	12	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.8	1.2	ug/kg	
91-20-3	Naphthalene	ND	5.8	2.3	ug/kg	
76-01-7	Pentachloroethane	ND	29	5.8	ug/kg	
107-12-0	Propionitrile	ND	58	12	ug/kg	
103-65-1	n-Propylbenzene	ND	5.8	1.3	ug/kg	
100-42-5	Styrene	ND	5.8	1.2	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.8	1.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.8	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.8	1.5	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.8	1.2	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.8	2.3	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.8	2.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.8	1.3	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP85-12.5		
Lab Sample ID:	F52072-3	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/25/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	84.8
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.8	1.3	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.8	1.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.8	1.2	ug/kg	
108-88-3	Toluene	ND	5.8	1.2	ug/kg	
79-01-6	Trichloroethylene	ND	5.8	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.8	1.9	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	29	5.8	ug/kg	
75-01-4	Vinyl chloride	ND	5.8	1.6	ug/kg	
108-05-4	Vinyl Acetate	ND	29	5.8	ug/kg	
	m,p-Xylene	ND	12	1.3	ug/kg	
95-47-6	o-Xylene	ND	5.8	1.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-121%
2037-26-5	Toluene-D8	98%		71-130%
460-00-4	4-Bromofluorobenzene	100%		59-148%
17060-07-0	1,2-Dichloroethane-D4	106%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP85-12.5		
Lab Sample ID:	F52072-3	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/25/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	84.8
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD079838.D	1	08/29/07	MM	08/25/07 10:58	n/a	GCD3320
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.82 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.0	3.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%		56-136%
98-08-8	aaa-Trifluorotoluene	89%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP85-25		
Lab Sample ID:	F52072-4	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/25/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.9
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F023223.D	1	09/06/07	WJ	08/25/07 10:58	n/a	VF444
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.87 g	5.0 ml	5.0 ul
Run #2			

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	64000	32000	ug/kg	
75-05-8	Acetonitrile	ND	64000	22000	ug/kg	
107-02-8	Acrolein	ND	32000	14000	ug/kg	
107-13-1	Acrylonitrile	ND	32000	10000	ug/kg	
107-05-1	Allyl chloride	ND	32000	6400	ug/kg	
71-43-2	Benzene	18200	6400	1300	ug/kg	
100-44-7	Benzyl Chloride	ND	6400	1300	ug/kg	
108-86-1	Bromobenzene	ND	6400	1300	ug/kg	
74-97-5	Bromochloromethane	ND	6400	1300	ug/kg	
75-27-4	Bromodichloromethane	ND	6400	1300	ug/kg	
75-25-2	Bromoform	ND	6400	1300	ug/kg	
104-51-8	n-Butylbenzene	ND	6400	1300	ug/kg	
135-98-8	sec-Butylbenzene	ND	6400	1400	ug/kg	
98-06-6	tert-Butylbenzene	ND	6400	1500	ug/kg	
108-90-7	Chlorobenzene	ND	6400	1300	ug/kg	
75-00-3	Chloroethane	ND	6400	3300	ug/kg	
67-66-3	Chloroform	ND	6400	1300	ug/kg	
544-10-5	1-Chlorohexane	ND	6400	1300	ug/kg	
95-49-8	o-Chlorotoluene	ND	6400	1500	ug/kg	
106-43-4	p-Chlorotoluene	ND	6400	1400	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	32000	6400	ug/kg	
75-15-0	Carbon disulfide	ND	6400	1300	ug/kg	
56-23-5	Carbon tetrachloride	ND	6400	1700	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6400	1400	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6400	1300	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6400	1300	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6400	2800	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6400	1300	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6400	1300	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6400	1700	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6400	1300	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6400	1500	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SS61-DP85-25
Lab Sample ID: F52072-4
Matrix: SO - Soil
Method: SW846 8260B SW846 5035
Project: HOLMN

Date Sampled: 08/23/07
Date Received: 08/25/07
Percent Solids: 88.9

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	6400	1300	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6400	2600	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6400	1300	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6400	1300	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	32000	6400	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6400	1300	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6400	1300	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6400	1300	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	6400	1300	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6400	1300	ug/kg	
100-41-4	Ethylbenzene	38200	6400	1300	ug/kg	
97-63-2	Ethyl methacrylate	ND	32000	6400	ug/kg	
76-13-1	Freon 113	ND	6400	1700	ug/kg	
591-78-6	2-Hexanone	ND	32000	13000	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6400	2000	ug/kg	
110-54-3	Hexane	39000	6400	2300	ug/kg	
98-82-8	Isopropylbenzene	49500	6400	1300	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6400	1300	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	32000	13000	ug/kg	
126-98-7	Methacrylonitrile	ND	32000	6400	ug/kg	
74-83-9	Methyl bromide	ND	6400	2300	ug/kg	
74-87-3	Methyl chloride	ND	6400	2600	ug/kg	
74-88-4	Methyl iodide	ND	13000	2600	ug/kg	
80-62-6	Methyl methacrylate	ND	32000	6400	ug/kg	
74-95-3	Methylene bromide	ND	6400	1300	ug/kg	
75-09-2	Methylene chloride	ND	13000	6400	ug/kg	
78-93-3	Methyl ethyl ketone	ND	32000	13000	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6400	1300	ug/kg	
91-20-3	Naphthalene	ND	6400	2600	ug/kg	
76-01-7	Pentachloroethane	ND	32000	6400	ug/kg	
107-12-0	Propionitrile	ND	64000	13000	ug/kg	
103-65-1	n-Propylbenzene	8840	6400	1400	ug/kg	
100-42-5	Styrene	ND	6400	1300	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6400	1300	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6400	1300	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6400	1700	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6400	1300	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6400	2600	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6400	2400	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6400	1400	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP85-25		
Lab Sample ID:	F52072-4	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/25/07
Method:	SW846 8260B SW846 5035	**Percent Solids:**	88.9
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	76200	6400	1400	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	36900	6400	1300	ug/kg	
127-18-4	Tetrachloroethylene	ND	6400	1300	ug/kg	
108-88-3	Toluene	23600	6400	1300	ug/kg	
79-01-6	Trichloroethylene	ND	6400	1300	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6400	2000	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	32000	6400	ug/kg	
75-01-4	Vinyl chloride	ND	6400	1800	ug/kg	
108-05-4	Vinyl Acetate	ND	32000	6400	ug/kg	
	m,p-Xylene	103000	13000	1400	ug/kg	
95-47-6	o-Xylene	72100	6400	1300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-121%
2037-26-5	Toluene-D8	98%		71-130%
460-00-4	4-Bromofluorobenzene	104%		59-148%
17060-07-0	1,2-Dichloroethane-D4	111%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS61-DP85-25		
Lab Sample ID:	F52072-4	**Date Sampled:**	08/23/07
Matrix:	SO - Soil	**Date Received:**	08/25/07
Method:	SW846 8015 SW846 5035	**Percent Solids:**	88.9
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD079839.D	1	08/29/07	MM	08/25/07 10:58	n/a	GCD3320
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.92 g	5.0 ml	3.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	430	210	110	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	129%		56-136%
98-08-8	aaa-Trifluorotoluene	85%		61-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	08232007-TB		
Lab Sample ID:	F52072-5	**Date Sampled:**	08/23/07
Matrix:	SO - Trip Blank Soil	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F023193.D	1	09/05/07	WJ	n/a	n/a	VF443
Run #2							

	Initial Weight
Run #1	5.00 g
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	25	ug/kg	
75-05-8	Acetonitrile	ND	50	17	ug/kg	
107-02-8	Acrolein	ND	25	11	ug/kg	
107-13-1	Acrylonitrile	ND	25	7.9	ug/kg	
107-05-1	Allyl chloride	ND	25	5.0	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
100-44-7	Benzyl Chloride	ND	5.0	1.0	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.0	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.0	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.0	ug/kg	
75-25-2	Bromoform	ND	5.0	1.0	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.0	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.6	ug/kg	
67-66-3	Chloroform	ND	5.0	1.0	ug/kg	
544-10-5	1-Chlorohexane	ND	5.0	1.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	25	5.0	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	1.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	1.1	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.0	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	2.2	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.3	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	1.2	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	08232007-TB		
Lab Sample ID:	F52072-5	**Date Sampled:**	08/23/07
Matrix:	SO - Trip Blank Soil	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
1476-11-5	cis-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.0	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/kg	
97-63-2	Ethyl methacrylate	ND	25	5.0	ug/kg	
76-13-1	Freon 113	ND	5.0	1.3	ug/kg	
591-78-6	2-Hexanone	ND	25	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.6	ug/kg	
110-54-3	Hexane	ND	5.0	1.8	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.0	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.0	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	10	ug/kg	
126-98-7	Methacrylonitrile	ND	25	5.0	ug/kg	
74-83-9	Methyl bromide	ND	5.0	1.8	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.0	ug/kg	
74-88-4	Methyl iodide	ND	10	2.0	ug/kg	
80-62-6	Methyl methacrylate	ND	25	5.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	1.0	ug/kg	
75-09-2	Methylene chloride	ND	10	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	10	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
76-01-7	Pentachloroethane	ND	25	5.0	ug/kg	
107-12-0	Propionitrile	ND	50	10	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.1	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.3	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.0	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.1	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	08232007-TB		
Lab Sample ID:	F52072-5	**Date Sampled:**	08/23/07
Matrix:	SO - Trip Blank Soil	**Date Received:**	08/25/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HOLMN		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.0	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	1.6	ug/kg	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND	25	5.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	1.4	ug/kg	
108-05-4	Vinyl Acetate	ND	25	5.0	ug/kg	
	m,p-Xylene	ND	10	1.1	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	114%		80-121%
2037-26-5	Toluene-D8	93%		71-130%
460-00-4	4-Bromofluorobenzene	100%		59-148%
17060-07-0	1,2-Dichloroethane-D4	123%		77-123%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

Parameter Certification Exceptions

Job Number: F52072
Account: BHATNM Bhate Environmental Associates, Inc.
Project: HOLMN

The following parameters included in this report are exceptions to NELAC certification.
The certification status of each is indicated below.

Parameter	CAS#	Method	Mat	Certification Status
Freon 113	76-13-1	**SW846 8260B**	SO	Certified by SOP MS005

23360

F52072

4.2 4

BHATE

Environmental Engineers and Scientists

Chain of Custody and Analytical Request

Page 1 of 1

9050261 01.02

P.O. _____

Chain of Custody Number [1]: 08232007-01

LIMS Number: _____

Facility/Base I.D.: Holloman Air Force Base, New Mexico

Project Name / Site Name: SS61 Soil Boring Sampling

Client Name: USACE

Collected by: Z. Beck, K. Thompson, C. McGriff,

	Field Sample ID (30 Characters Max.)	ERPIMS LOCID (15 Characters Max.)	Date Collected (dd-mmm-yyyy)	Time Collected (Military) (hhmm)	Sample Depth (beginning - ending)	SA Code [2]	Sample Number [3]	Sample Matrix [4]	Number of containers	VOCs 8260B	TPH - 8015 - GRO only	Ambient Blank Lot Control Number	Equipment Blank Lot Control Number	Trip Blank Lot Control Number	Cooler ID
1	SS61-DP84-12.5		23-AUG-2007	1400	10 - 12.5	N		SO	5	[0]	[0]				D
2	SS61-DP84-25		23-AUG-2007	1410	23 - 25	N		SO	5	[0]	[0]				D
3	SS61-DP85-12.5		23-AUG-2007	1505	10 - 12.5	N		SO	5	[0]	[0]				D
4	SS61-DP85-25		23-AUG-2007	1515	23 - 25	N		SO	5	[0]	[0]				D
5	08232007-TB		23-AUG-2007		-	TB		WQ	2	[0]				08232007-TB	D

Sample Analysis Requested [5] | Quality Assurance Samples [6]

COMMENTS: _____

Custody Transfers Prior to Receipt by Laboratory

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1.	[signature]	24-AUG-2007	0500	[signature]		
2.				[signature]	8-24-07	09:00
3.						

5

Delivered Directly to Lab: _____ Shipped No.: _____

Method of Shipment: _____ Airbill Number: _____

Analytical Lab: _____ Delivery Location: _____

Lab Recipient: _____ Delivery Date/Time: _____

1.) Chain of Custody Number = date collected + custody number (e.g. 09-02-1999-01)

2.) Sample Type (SA) Codes: N = Normal Sample, TB = Trip Blank (-a) Sample, FD = Field Duplicate (-a) Samples, FR = Field Replicate (-b) Samples, EB = Equipment Blank (-d) Samples, MS = Matrix Spike, SD = Matrix Spike Duplicate, AB = Ambient Blank (-e)

3.) Sample Number: Unique sample number collected from a particular location per day. (e.g. Groundwater sample collected from MW-1 on 10/10/99 = 01, If sampled again on 10/10/99 = 02, etc.)

4.) Matrix Codes: GS = Soil Gas, WQ = Groundwater, WS = Surface Water, SO = Soil, SE = Sediment, SL = Sludge, SS = Surface Soil Samples, WQ = Aqueous Blank Samples (trip, equipment, ambient, etc), SQ = Soil Blanks

5.) Sample Analysis Requested: Analytical method requested and number of containers provided for each.

6.) Quality assurance samples are assigned by date (ddmmyy) and the sample number associated with the sample (01, 02, etc) (e.g. Equipment blank collected in association with MW-1 on 10/10/99 will be designated 10100901 in the Equipment Blank Lot Control

0.4

F52072: Chain of Custody
Page 1 of 2

ACCUTEST Laboratories
F52072

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F52072 CLIENT: USACE PROJECT: SS161 Soil Boring Sampling

DATE/TIME RECEIVED: 8-25-07 09:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 0.4

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8162 6435 2 0461

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [X] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 16

NUMBER OF 5035 FIELD KITS ? TB

NUMBER OR LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS: CoC asks for 1 Water TB but received 1 Soil TB

TECHNICIAN SIGNATURE/DATE E.T. 8.25.07 TECHNICIAN SIGNATURE/DATE

ASBD 10/03/06

4.2 4

F52072: Chain of Custody
Page 2 of 2

APPENDIX B
QUALITY ASSURANCE PROJECT PLAN ADDENDUM

QUALITY ASSURANCE PROJECT PLAN ADDENDUM

SUPPLEMENTAL VOLUNTARY CORRECTIVE MEASURES

SS-61 BUILDING 1001 FUEL SPILL SITE

HOLLOMAN AIR FORCE BASE, NEW MEXICO

Prepared for:

49 CES/CEAN
Holloman Air Force Base
New Mexico

Under Contract to:

U.S. Army Corps of Engineers
Omaha District
Omaha, Nebraska 68102

Contract No. W9128F-10-D-0006
Task Order No. 0001

Prepared by:

Bhate Environmental Associates, Inc.
1608 13th Avenue South, Suite 300
Birmingham, Alabama 35205
Bhate Project No. 9100133

May 2011

This page intentionally left blank.

QUALITY ASSURANCE PROJECT PLAN ADDENDUM

SUPPLEMENTAL VOLUNTARY CORRECTIVE MEASURES

SS-61 BUILDING 1001 FUEL SPILL SITE

HOLLOMAN AIR FORCE BASE, NEW MEXICO

REVIEW SHEET

COMMITMENT TO IMPLEMENT THIS QUALITY ASSURANCE PROJECT PLAN ADDENDUM		
J. Mark Stapleton, Ph.D., P.E., AEE		5/20/2011
Project Engineer	Signature	Date
Frank Gardner, P.G.		5/20/2011
Project Manager	Signature	Date
Jim Moore, P.G.		5/20/2011
Field Team Leader/Geologist	Signature	Date

This page intentionally left blank.

QUALITY ASSURANCE PROJECT PLAN ADDENDUM

SUPPLEMENTAL VOLUNTARY CORRECTIVE MEASURES

SS-61 BUILDING 1001 FUEL SPILL SITE

HOLLOMAN AIR FORCE BASE, NEW MEXICO

TABLE OF CONTENTS

List of Acronyms.....iii

Preface v

1 Introduction 1-1

2 Project Laboratory 2-1

3 Data Categories.....3-1

4 Data Quality Assurance and Quality Control 4-1

5 References 5-1

Tables

3-1 Summary of Screening Data

3-2 Summary of Definitive Data

4-1 Summary of Field QC Samples

4-2 Summary of Laboratory QC Limits (Soil and Groundwater)

This page intentionally left blank.

LIST OF ACRONYMS

AEE	Associate of the American Society of Environmental Engineers
AFB	Air Force Base
ASTM	American Society for Testing and Materials
Bhate	Bhate Environmental Associates, Inc.
CAS No.	Chemical Abstracts Services Number
DRO	Diesel Range Organics
EDD	Electronic data deliverable
GRO	Gasoline Range Organics
HAFB	Holloman Air Force Base
LCL	Lower Control Limit
LCS	Laboratory Control Sample
MCL	Maximum Contaminant Level
µg/kg	Micrograms per kilogram
µg/L	Micrograms per liter
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
NELAP	National Environmental Laboratory Accreditation Program
NMED	New Mexico Environment Department
NMWQCC	New Mexico Water Quality Control Commission
NV	No Value
ORO	Oil Range Organics
PCS	Petroleum contaminated soil
P.G.	Professional Geologist
PhD	Doctor of Philosophy
QA	Quality Assurance
QAM	Quality Assurance Manual
QAPP	Quality Assurance Project Plan
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference
SOPs	Standard Operating Procedures
SSLs	Soil Screening Levels
SVOC	Semi-volatile Organic Compounds
SVCM	Supplemental Voluntary Corrective Measures

LIST OF ACRONYMS

TDS	Total Dissolved Solids
TPH	Total Petroleum Hydrocarbons
UCL	Upper Control Limit
USACE	United States Army Corps of Engineers
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound

PREFACE

This Quality Assurance Project Plan (QAPP) Addendum has been developed to assure that sample collection, analyses, and evaluations are legally and scientifically defensible for the Supplemental Voluntary Corrective Measures (SVCM) performance sampling at Site SS-61 at Holloman Air Force Base (HAFB), New Mexico. This document is an addendum to the *Basewide Quality Assurance Project Plan, Holloman Air Force Base, New Mexico* (Bhate Environmental Associates, Inc. [Bhate], November 2003) (Basewide QAPP) and must be used in conjunction with that document. This document contains the site specific information for the work at SS-61 outlined in the *Draft Supplemental Voluntary Corrective Measures Work Plan, SS-61 Building 1001 Fuel Spill Site, Holloman Air Force Base, New Mexico* (Bhate, March 2011) (SS-61 SVCM Work Plan).

This page intentionally left blank.

1 INTRODUCTION

Bhate Environmental Associates, Inc. (Bhate) has been retained by the U.S. Army Corps of Engineers (USACE), under contract W9128F-10-D-0006, Task Order No. 0001, to conduct Supplemental Voluntary Corrective Measures (SVCM) at Site SS-61 on Holloman Air Force Base (HAFB), New Mexico.

The SS-61 SVCM Work Plan involves remediation activities and performance monitoring at Site SS-61. The objective of the performance monitoring is to demonstrate the effectiveness of Petroleum Contaminated Soil (PCS) remediation and to completely identify the residual petroleum hydrocarbon contamination in soil and groundwater greater than the New Mexico Environment Department (NMED) and/or United States Environmental Protection Agency (USEPA) action levels. Following the implementation of remedial activities and performance monitoring, the goal is to demonstrate through a human health risk assessment, that any remaining contamination does not pose a threat to human health or the environment. The media to be sampled are soil and groundwater. See the Basewide QAPP (Bhate, November 2003) and SS-61 SVCM Work Plan (Bhate, March 2011) for additional information on HAFB and Site SS-61.

This page intentionally left blank.

2 PROJECT LABORATORY

The soil and groundwater analytical work for this project will be preformed by Accutest Southeast of Orlando, Florida (Accutest).

Accutest Southeast
4405 Vineland Road, Suite C-15
Orlando, FL 32811
Phone: (407) 425-6700
Fax: (407) 425-0707

The laboratory personnel who will be involved with this project include:

Ms. Sue Bell, Accutest Project Manager

Ms. Svetlana Izosimova, Accutest Quality Assurance Officer

Accutest is certified by the National Environmental Laboratory Accreditation Program (NELAP) and validated by the USACE and has extensive previous experience in working on USACE projects. The Accutest Quality Assurance Manual (QAM) and Standard Operating Procedures (SOPs) have been reviewed by Bhate and found to meet all the requirements for this project. The QAM and SOPs are available for further review if required.

This page intentionally left blank.

3 DATA CATEGORIES

The data use determines the required levels of data quality. The two levels of data quality established by the USACE are screening and definitive. Under this QAPP Addendum, the data to be generated under each level in this investigation are presented in Table 3-1 (Screening) and Table 3-2 (Definitive). The screening data will be generated in the field using field instruments. The definitive data generated by the laboratory will be presented with limited data deliverables (i.e. Level II data packages), using a standard turn-around-time for the soil and groundwater samples collected during the performance monitoring All definitive data produced by the laboratory will also be presented in an electronic data deliverable (EDD) format.

This page intentionally left blank.

4 DATA QUALITY ASSURANCE AND QUALITY CONTROL

The general data quality assurance (QA) and quality control (QC) requirements for HAFB are presented in the Basewide QAPP. The field QC requirements for this project are presented in Table 4-1. The project specific laboratory QC limits are listed in Table 4-2.

All final definitive data will be reviewed and validated by a Bhate Senior Chemist based on the logic and guidelines of the USEPA National Functional Guidelines for Data Validation and the site specific laboratory QC limits presented in this QAPP Addendum.

This page intentionally left blank.

5 REFERENCES

Bhate Environmental Associates, Inc. (Bhate). November 2003. *Final Basewide Quality Assurance Project Plan, Holloman Air Force Base, New Mexico.*

Bhate. March 2011. *Draft Supplemental Voluntary Corrective Measures Work Plan, SS-61 Building 1001 Spill Site, Holloman Air Force Base, New Mexico.*

New Mexico Administrative Code (NMAC) 20.6.2, New Mexico Water Quality Control Commission Regulations. September 15, 2002. http://nmenv.state.nm.us/NMED_Regs/gwb/20_6_2.NMAC.pdf.

New Mexico Environment Department (NMED). October 2006. *New Mexico Environment Department TPH Screening Guidelines*.

NMED. December 2009. *New Mexico Environment Department Technical Background Document for Development of Soil Screening Levels, Revision 5.0*.

U.S. Environmental Protection Agency (USEPA), January 2010. *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review*. Office of Emergency and Remedial Response, U.S. Environmental Protection Agency Washington DC.

USEPA. June 2008. *Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review* (USEPA-540-R-08-01). Office of Superfund Remediation and Technology Innovation, U.S. Environmental Protection Agency Washington, DC.

USEPA. May 2009a. *National Primary Drinking Water Regulations* (EPA 816-F-09-004).

USEPA. December 2009b. *USEPA Regions 3, 6, and 9 Regional Screening Levels.* http://www.epa.gov/Region6/6pd/rcra_c/pd-n/screen.htm.

This page intentionally left blank.

TABLES

Table 3-1
Summary of Screening Data

Parameter	Matrix	Testing Method
Volatile Organic Compounds (VOCs)	Soil	Organic Vapor Analyzer
Noticeable odors	Soil	Olfactory sense
pH	Water	Multi-parameter sonde and a flow-through cell
Conductivity	Water	Multi-parameter sonde and a flow-through cell
Dissolved Oxygen	Water	Multi-parameter sonde and a flow-through cell
Turbidity	Water	Multi-parameter sonde and a flow-through cell
Temperature	Water	Multi-parameter sonde and a flow-through cell

Table 3-2
Summary of Definitive Data

Parameter	Matrix	Preparation Method	Analytical Method
Volatile Organic Compounds (VOCs)	Soil	USEPA SW846 Method 5035	USEPA SW846 Method 8260B
Semi-volatile Organic Compounds (SVOCs)	Soil	USEPA SW846 Method 3550B	USEPA SW846 Method 8270C
Total Petroleum Hydrocarbons (TPH)	Soil	USEPA SW846 Method 5035/3550B	USEPA SW846 Method 8015B
VOCs	Groundwater	USEPA SW846 Method 5030B	USEPA SW846 Method 8260B
SVOCs	Groundwater	USEPA SW846 Method 3510C	USEPA SW846 Method 8270C
TPH	Groundwater	USEPA SW846 Method 3510C	USEPA SW846 Method 8015B
Ferrous Iron (Fe^2) / Ferric Iron (Fe^3)	Groundwater	N/A	USEPA Method 200.7 / SM18 3500 FE-D
Manganese (Mn)	Groundwater	USEPA SW846 Method 3050B	USEPA SW846 Method 6010B
Hydrogen Sulfide (H_2S)	Groundwater	N/A	USEPA SM18 4500S - F/H
Sulfate	Groundwater	N/A	USEPA SW846 Method 9056
Amonnia	Groundwater	N/A	USEPA Method 350.1 / SM18 4500 NH_3G
Nitrate	Groundwater	N/A	USEPA Method 300 / SW846 Method 9056
Total Kjeldahl Nitrogen (TKN)	Groundwater	N/A	USEPA Method 351.2 / SM18 4500 NH_3C
Biological Oxygen Demand (BOD)	Groundwater	N/A	USEPA SM18 5210B
Chemical Oxygen Demand (COD)	Groundwater	N/A	USEPA Method 410.4 / SM18 5220C
Total Dissolved Solids (TDS)	Groundwater	USEPA SM18 Method 2540C	USEPA SM18 Method 2540C

Notes:
USEPA = U.S. Environmental Protection Agency
N/A = Not Applicable
SW = USEPA Office of Solid Waste
SM = Standard Method

Table 4-1
Summary of Field QC Samples

Matrix	Analysis	Number of Field Samples [1]	Trip Blanks [2]	Field Duplicates [3]	MS [4]	MSD [5]	Total
Soil	VOCs per USEPA SW846 Method 8260B	40	10	5	0	0	55
	SVOCs per USEPA SW846 Method 8270C	40	0	5	0	0	45
	TPHs per USEPA SW846 Method 8015B (GRO, DRO, ORO)	40	0	5	0	0	45
Groundwater	VOCs per USEPA SW846 Method 8260B	90	50	9	0	0	149
	SVOCs per USEPA SW846 Method 8270C	90	0	9	0	0	99
	TPHs per USEPA SW846 Method 8015B (GRO, DRO, ORO)	90	0	9	0	0	99
	Fe^{2} (Ferrous Iron) per USEPA SM18 3500 FE-D	90	0	9	0	0	99
	Fe^{3} (Ferric Iron) per USEPA Method 200.7 / SM18 3500 FE-D	90	0	9	0	0	99
	Manganese per USEPA SW846 Method 6010B	90	0	9	0	0	99
	H_2S per USEPA SM18 4500S - F/H	90	0	9	0	0	99
	Sulfate per USEPA SW846 Method 9056	90	0	9	0	0	99
	Ammonia per USEPA Method 350.1 / SM18 4500 NH_3G	90	0	9	0	0	99
	Nitrate per USEPA Method 300 / SW846 Method 9056	90	0	9	0	0	99
	TKN per USEPA Method 351.2 / SM18 4500 NH_3C	90	0	9	0	0	99
	BOD per USEPA SM18 5210B	90	0	9	0	0	99
	COD per USEPA SW846 410.4 / SM18 5220C	90	0	9	0	0	99
	Total Dissolved Solids by USEPA SM19 2540C	90	0	9	0	0	99

Notes:

USEPA = U.S. Environmental Protection Agency
SW = USEPA Office of Solid Wastes
SM = Standard Method
VOCs = Volatile Organic Compounds
SVOCs = Semi-volatile Organic Compounds
TPH = Total Petroleum Hydrocarbons
GRO = Gasoline Range Organics
ORO = Oil Range Organics
DRO = Diesel Range Organics
H_2S = Hydrogen Sulfide
TKN = Total Kjeldahl Nitrogen
BOD = Biological Oxygen Demand
COD = Chemical Oxygen Demand
MS = Matrix Spike
MSD = Matrix Spike Duplicate

Footnotes:

[1] Ten Groundwater samples will be collected on a quarterly basis for 2 years (plus baseline), and eight soil samples will be collected on a semi-annual basis for 2 years (plus baseline)

[2] Estimated, one trip blank will accompany every shipment of VOC samples

[3] Duplicate samples will be collected at a minimum frequency of 1 duplicate per event

[4] MS samples are not required for remedial action performance monitoring

[5] MSD samples are not required for remedial action performance monitoring

Table 4-2
Summary of Laboratory QC Limits (Soil and Groundwater)

Parameter	CAS No.	RL / Evaluation Criteria					LCS				Matrix Spike Water			Matrix Spike Soil		
		Water			Soil		Water		Soil		MS Recovery		MSD	MS Recovery		MSD
		RL	NMWQCC[1]	USEPA MCL[2]	RL	SSL[3]	LCL	UCL	LCL	UCL	LCL	UCL	RPD	LCL	UCL	RPD
VOCs per USEPA SW846 Method 8260B		µg/L	µg/L	µg/L	µg/kg	mg/kg	%	%	%	%	%	%	%	%	%	%
Acetone	67-64-1	25	NV	NV	50	67,500	59	134	61	144	59	134	14	61	144	29
Acrolein	107-02-8	20	NV	NV	25	0.646	33	157	27	156	33	157	21	27	156	39
Acrylonitrile	107-13-1	10	NV	NV	25	5.97	62	124	55	144	62	124	13	55	144	24
Benzene	71-43-2	1	10	5	5	15.5	83	124	78	130	83	124	11	78	130	25
Bromobenzene	108-86-1	1	NV	NV	5	300 [5]	83	115	78	123	83	115	10	78	123	30
Bromochloromethane	74-97-5	1	NV	NV	5	NV [4]	78	112	72	122	78	112	10	72	122	23
Bromodichloromethane	75-27-4	1	NV	NV	5	5.25	76	116	73	122	76	116	10	73	122	25
Bromoform (Tribromomethane)	75-25-2	1	NV	NV	5	616	68	128	70	139	68	128	11	70	139	26
n-Butylbenzene	104-51-8	1	NV	NV	5	NV [4]	84	124	80	138	84	124	10	80	138	31
sec-Butylbenzene	135-98-8	1	NV	NV	5	NV [4]	86	127	82	132	86	127	10	82	132	29
tert-Butylbenzene	98-06-6	1	NV	NV	5	NV [4]	83	126	79	130	83	126	10	79	130	29
Chlorobenzene	108-90-7	1	NV	100	5	508	87	115	83	122	87	115	9	83	122	23
Chloroethane (Ethyl Chloride)	75-00-3	2	NV	NV	5	43,600	54	166	61	153	54	166	20	61	153	31
Chloroform	67-66-3	1	100	NV	5	5.72	85	123	79	129	85	123	10	79	129	27
o-Chlorotoluene	95-49-8	1	NV	NV	5	1,560	84	121	77	123	84	121	10	77	123	31
p-Chlorotoluene	106-43-4	1	NV	NV	5	5,500 [5]	84	120	78	129	84	120	10	78	129	29
2-Chloroethyl vinyl ether	110-75-8	5	NV	NV	25	NV [4]	63	125	52	142	63	125	24	52	142	25
Carbon disulfide	75-15-0	2	NV	NV	5	1,940	67	147	61	142	67	147	12	61	142	27
Carbon tetrachloride	56-23-5	1	10	5	5	4.38	74	139	79	135	74	139	13	79	135	29
1,1-Dichloroethane	75-34-3	1	25	NV	5	62.9	82	127	77	132	82	127	10	77	132	26
1,1-Dichloroethylene (1,1-Dichloroethene)	75-35-4	1	5	7	5	618	75	133	66	132	75	133	13	66	132	27
1,1-Dichloropropene	563-58-6	1	NV	NV	5	NV [4]	87	127	81	133	87	127	10	81	133	26
1,2-Dibromo-3-chloropropane	96-12-8	2	NV	0.2	5	0.194	61	118	67	129	61	118	15	67	129	29
1,2-Dibromoethane (EDB)	106-93-4	1	0.1	0.05	5	0.574	80	115	77	126	80	115	10	77	126	24
1,2-Dichloroethane	107-06-2	1	10	5	5	7.74	76	122	78	129	76	122	11	78	129	24
1,2-Dichloropropane	78-87-5	1	NV	5	5	14.7	81	120	74	127	81	120	11	74	127	27
1,3-Dichloropropane	142-28-9	1	NV	NV	5	1,600 [5]	81	113	78	118	81	113	11	78	118	26
2,2-Dichloropropane	594-20-7	1	NV	NV	5	NV [4]	77	138	80	137	77	138	12	80	137	28
Dibromochloromethane	124-48-1	1	NV	NV	5	11.9	74	116	78	117	74	116	11	78	117	27
Dichlorodifluoromethane	75-71-8	2	NV	NV	5	481	34	158	35	162	34	158	22	35	162	30
cis-1,2-Dichloroethylene	156-59-2	1	NV	70	5	782	81	114	74	123	81	114	10	74	123	26
cis-1,3-Dichloropropene	10061-01-5	1	NV	NV	5	NV [4]	83	119	79	130	83	119	10	79	130	23
m-Dichlorobenzene (1,3-Dichlorobenzene)	541-73-1	1	NV	NV	5	NV [4]	86	115	82	126	86	115	9	82	126	29
o-Dichlorobenzene (1,2-Dichlorobenzene)	95-50-1	1	NV	600	5	3,010	85	115	83	123	85	115	9	83	123	28
p-Dichlorobenzene (1,4-Dichlorobenzene)	106-46-7	1	NV	75	5	32.2	87	113	84	124	87	113	10	84	124	28
trans-1,2-Dichloroethylene	156-60-5	1	NV	100	5	273	82	126	77	129	82	126	10	77	129	27
trans-1,3-Dichloropropene	10061-02-6	1	NV	NV	5	NV [4]	87	123	87	131	87	123	10	87	131	27
Ethylbenzene	100-41-4	1	750	700	5	69.7	87	118	82	124	87	118	10	82	124	25
2-Hexanone	591-78-6	5	NV	NV	25	210 [5]	58	125	67	130	58	125	14	67	130	29
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	87-68-3	2	NV	NV	5	61.1	71	133	77	150	71	133	12	77	150	36
Hexane	110-54-3	2	NV	NV	5	1,250	71	134	65	147	71	134	11	65	147	27
Isopropylbenzene (Cumene)	98-82-8	1	NV	NV	5	3,210	87	131	82	133	87	131	10	82	133	27
p-Isopropyltoluene	99-87-6	1	NV	NV	5	NV [4]	83	125	82	132	83	125	9	82	132	29
4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	108-10-1	5	NV	NV	25	5,950	62	125	69	125	62	125	13	69	125	24
Methyl bromide	74-83-9	2	NV	NV	5	22.3	55	151	60	146	55	151	21	60	146	31
Methyl chloride	74-87-3	2	NV	NV	5	35.6	55	173	58	163	55	173	22	58	163	26
Methylene bromide	74-95-3	2	NV	NV	5	782	81	116	75	128	81	116	10	75	128	26
Methylene chloride	75-09-2	5	100	5	10	199	69	125	62	140	69	125	11	62	140	25
Methyl ethyl ketone (2-Butanone)	78-93-3	5	NV	NV	25	39,600	61	127	66	134	61	127	13	66	134	23
Methyl Tert Butyl Ether (tert-Butyl Methyl Ether)	1634-04-4	1	NV	NV	5	862	75	116	70	131	75	116	10	70	131	25
Naphthalene	91-20-3	5	30	NV	5	45	59	125	59	143	59	125	15	59	125	31
n-Propylbenzene	103-65-1	1	NV	NV	5	NV [4]	86	125	78	129	86	125	10	78	129	29

Table 4-2
Summary of Laboratory QC Limits (Soil and Groundwater)

Parameter	CAS No.	RL / Evaluation Criteria					LCS				Matrix Spike Water			Matrix Spike Soil		
		Water			Soil		Water		Soil		MS Recovery		MSD	MS Recovery		MSD
		RL	NMWQCC[1]	USEPA MCL[2]	RL	SSL[3]	LCL	UCL	LCL	UCL	LCL	UCL	RPD	LCL	UCL	RPD
VOCs per USEPA SW846 Method 8260B (Cont.)		µg/L	µg/L	µg/L	µg/kg	mg/kg	%	%	%	%	%	%	%	%	%	%
Styrene	100-42-5	1	NV	100	5	8,970	78	118	79	123	78	118	11	79	123	28
1,1,1,2-Tetrachloroethane	630-20-6	1	NV	NV	5	29.2	81	119	81	121	81	119	10	81	121	25
1,1,1-Trichloroethane	71-55-6	1	60	200	5	21,800	79	133	80	133	79	133	11	80	133	27
1,1,2,2-Tetrachloroethane	79-34-5	1	10	NV	5	7.98	71	120	70	128	71	120	11	70	128	30
1,1,2-Trichloroethane	79-00-5	1	10	5	5	17.2	80	114	76	118	80	114	11	76	118	28
1,2,3-Trichlorobenzene	87-61-6	1	NV	NV	5	49 [5]	64	126	78	136	64	126	16	78	136	34
1,2,3-Trichloropropane	98-18-4	2	NV	NV	5	0.915	77	115	74	125	77	115	12	74	125	30
1,2,4-Trichlorobenzene	120-82-1	1	NV	70	5	143	68	123	82	137	68	123	11	82	137	32
1,2,4-Trimethylbenzene	95-63-6	2	NV	NV	5	62 [5]	82	120	77	129	82	120	10	77	129	29
1,3,5-Trimethylbenzene	108-67-8	2	NV	NV	5	780 [5]	83	123	79	129	83	123	10	79	129	31
Tetrachloroethylene	127-18-4	1	20	5	5	6.99	80	131	79	132	80	131	12	79	132	27
Toluene	108-88-3	1	750	1,000	5	5,570	86	116	80	123	86	116	10	80	123	26
Trichloroethylene	79-01-6	1	100	5	5	45.7	85	124	78	132	85	124	10	78	132	28
Trichlorofluoromethane	75-69-4	2	NV	NV	5	2,010	66	156	67	149	66	156	15	67	149	29
Vinyl chloride	75-01-4	1	1	2	5	0.865	57	153	60	145	57	153	22	60	145	29
Vinyl Acetate	108-05-4	10	NV	NV	25	3,650	38	159	25	164	38	159	11	25	164	35
m,p-Xylene		2	620	10,000	10	NV [4]	86	121	82	128	86	121	10	82	128	25
o-Xylene	95-47-6	1	620	10,000	5	9,550	83	121	82	126	83	121	10	82	126	25
Dibromofluoromethane (surr)	1868-53-7	--	--	--	--	--	87	116	80	121	--	--	--	--	--	--
Toluene-D8 (surr)	2037-26-5	--	--	--	--	--	86	112	71	130	--	--	--	--	--	--
4-Bromofluorobenzene (surr)	460-00-4	--	--	--	--	--	84	120	59	148	--	--	--	--	--	--
1,2-Dichloroethane-D4 (surr)	17060-07-0	--	--	--	--	--	76	127	77	123	--	--	--	--	--	--
SVOCs by USEPA SW846 Method 8270C		µg/L	µg/L	µg/L	µg/kg	mg/kg	%	%	%	%	%	%	%	%	%	%
Benzoic Acid	65-85-0	25	NV	NV	830	240,000 [5]	10	50	44	116	10	50	40	44	116	36
2-Chlorophenol	95-57-8	5	NV	NV	170	391	44	103	54	97	44	103	29	54	97	31
4-Chloro-3-methyl phenol	59-50-7	5	NV	NV	170	6,100 [4]	53	105	59	102	53	105	24	59	102	27
2,4-Dichlorophenol	120-83-2	5	NV	NV	170	183	53	108	60	101	53	108	26	60	101	30
2,4-Dimethylphenol	105-67-9	5	NV	NV	170	1,220	37	91	49	89	37	91	28	49	89	31
2,4-Dinitrophenol	51-28-5	25	NV	NV	830	122	37	111	39	107	37	111	30	39	107	40
4,6-Dinitro-o-cresol	534-52-1	10	NV	NV	330	6.11	62	115	58	109	62	115	26	58	109	37
2-Methylphenol (Cresol, o-)	95-48-7	5	NV	NV	170	3,100 [5]	35	91	53	94	35	91	30	53	94	29
3&4-Methylphenol (Cresol, m- & p-)	--	5	NV	NV	170	3,100/310 [5]	32	85	54	95	32	85	29	54	95	31
2-Nitrophenol	88-75-5	5	NV	NV	170	NV [4]	49	111	55	96	49	111	30	55	96	30
4-Nitrophenol	100-02-7	25	NV	NV	830	NV [4]	13	55	56	106	13	55	31	56	106	29
Pentachlorophenol	87-86-5	25	NV	NV	830	29.8	57	118	50	115	57	118	26	50	115	33
Phenol	108-95-2	5	NV	NV	170	18,300	13	54	55	99	13	54	34	55	99	28
2,4,5-Trichlorophenol	95-95-4	5	NV	NV	170	6,110	59	106	60	101	59	106	23	60	101	28
2,4,6-Trichlorophenol	88-06-2	5	NV	NV	170	61.1	58	107	60	100	58	107	24	60	100	27
Acenaphthene	83-32-9	5	NV	NV	170	3,440	58	106	59	97	58	106	21	59	97	29
Acenaphthylene	208-96-8	5	NV	NV	170	NV [4]	58	105	58	98	58	105	21	58	98	30
Anthracene	120-12-7	5	NV	NV	170	17,200	65	108	61	104	65	108	19	61	104	29
Benzidine	92-87-5	25	NV	NV	1700	0.0211	15	73	10	156	15	73	23	10	156	50
Benzo(a)anthracene	56-55-3	5	NV	NV	170	6.21	63	111	60	106	63	111	19	60	106	31
Benzo(a)pyrene	50-32-8	5	0.7	0.2	170	0.621	62	106	59	102	62	106	20	59	102	32
Benzo(b)fluoranthene	205-99-2	5	NV	NV	170	6.21	63	109	60	107	63	109	20	60	107	31
Benzo(g,h,i)perylene	191-24-2	5	NV	NV	170	NV [4]	61	111	56	103	61	111	21	56	103	32
Benzo(k)fluoranthene	207-08-9	5	NV	NV	170	62.1	64	111	61	107	64	111	20	61	107	30
4-Bromophenyl phenyl ether	101-55-3	5	NV	NV	170	NV [4]	64	107	60	104	64	107	20	60	104	26
Butyl benzyl phthalate	85-68-7	5	NV	NV	330	260 [5]	59	114	57	110	59	114	20	57	110	28
Benzyl Alcohol	100-51-6	5	NV	NV	170	6,100 [5]	34	98	51	102	34	98	27	51	102	34
2-Chloronaphthalene (b-Chloronaphthalene)	91-58-7	5	NV	NV	170	6,260	54	105	57	95	54	105	24	57	95	28
4-Chloroaniline (p-Chloroaniline)	106-47-8	10	NV	NV	330	2.4 [5]	53	103	19	85	53	103	22	19	85	34

Table 4-2
Summary of Laboratory QC Limits (Soil and Groundwater)

Parameter	CAS No.	RL / Evaluation Criteria					LCS				Matrix Spike Water			Matrix Spike Soil		
		Water			Soil		Water		Soil		MS Recovery		MSD	MS Recovery		MSD
		RL	NMWQCC[1]	USEPA MCL[2]	RL	SSL[3]	LCL	UCL	LCL	UCL	LCL	UCL	RPD	LCL	UCL	RPD
SVOCs by USEPA SW846 Method 8270C (Cont.)		µg/L	µg/L	µg/L	µg/kg	mg/kg	%	%	%	%	%	%	%	%	%	%
Chrysene	218-01-9	5	NV	NV	170	621	64	111	60	107	64	111	19	60	107	31
bis(2-Chloroethoxy)methane	111-91-1	5	NV	NV	170	180 [5]	48	101	51	89	48	101	28	51	89	30
bis(2-Chloroethyl)ether	111-44-4	5	NV	NV	170	2.56	51	108	50	96	51	108	27	50	96	33
bis(2-Chloroisopropyl)ether	108-60-1	5	NV	NV	170	91.5	43	106	44	94	43	106	27	44	94	32
4-Chlorophenyl phenyl ether	7005-72-3	5	NV	NV	170	NV [4]	61	107	60	101	61	107	20	60	101	26
1,2-Dichlorobenzene	95-50-1	5	NV	600	170	3,010	41	102	47	91	41	102	28	47	91	35
1,3-Dichlorobenzene	541-73-1	5	NV	NV	170	NV [4]	38	100	45	86	38	100	28	45	86	36
1,4-Dichlorobenzene	106-46-7	5	NV	75	170	32.2	40	100	45	88	40	100	28	45	88	36
2,4-Dinitrotoluene	121-14-2	5	NV	NV	170	15.7	60	109	59	103	60	109	20	59	103	30
2,6-Dinitrotoluene	606-20-2	5	NV	NV	170	61.2	58	104	57	99	58	104	21	57	99	30
3,3'-Dichlorobenzidine	91-94-1	10	NV	NV	330	10.8	57	105	34	88	57	105	25	34	88	31
Dibenzo(a,h)anthracene	53-70-3	5	NV	NV	170	0.621	62	112	57	105	62	112	20	57	105	29
Dibenzofuran	132-64-9	5	NV	NV	170	78 [5]	61	108	58	103	61	108	20	58	103	27
Di-n-butyl phthalate (Dibutyl phthalate)	84-74-2	5	NV	NV	330	6,110	62	109	59	105	62	109	20	59	105	27
Di-n-octyl phthalate	117-84-0	5	NV	NV	330	NV [4]	60	120	59	117	60	120	24	59	117	28
Diethyl phthalate	84-66-2	5	NV	NV	330	48,900	62	109	59	106	62	109	19	59	106	27
Dimethyl phthalate	131-11-3	5	NV	NV	330	611,000	63	106	60	100	63	106	19	60	100	26
bis(2-Ethylhexyl)phthalate	117-81-7	5	NV	NV	330	347	59	116	57	111	59	116	21	57	111	29
Fluoranthene	206-44-0	5	NV	NV	170	2,290	65	114	60	110	65	114	21	60	110	32
Fluorene	86-73-7	5	NV	NV	170	2,290	61	106	60	99	61	106	19	60	99	30
Hexachlorobenzene	118-74-1	5	NV	1	170	3.04	62	107	58	103	62	107	20	58	103	27
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	87-68-3	5	NV	NV	170	61.1	38	107	49	95	38	107	30	49	95	33
Hexachlorocyclopentadiene	77-47-4	5	NV	50	170	367	19	84	36	94	19	84	35	36	94	41
Hexachloroethane	76-72-1	5	NV	NV	170	61.1	35	101	44	89	35	101	29	44	89	38
Indeno(1,2,3-cd)pyrene	193-39-5	5	NV	NV	170	6.21	61	113	57	104	61	113	20	57	104	33
Isophorone	78-59-1	5	NV	NV	170	5,120	56	111	58	97	56	111	26	58	97	30
2-Methylnaphthalene	91-57-6	5	NV	NV	170	310 [5]	56	112	57	103	56	112	26	57	103	32
2-Nitroaniline	88-74-4	10	NV	NV	330	610 [5]	60	109	53	106	60	109	20	53	106	29
3-Nitroaniline	99-09-2	10	NV	NV	330	NV [4]	52	107	29	85	52	107	21	29	85	31
4-Nitroaniline	100-01-6	10	NV	NV	330	24 [5]	59	111	49	104	59	111	21	49	104	31
Naphthalene	91-20-3	5	NV	NV	170	45	50	104	54	93	50	104	28	54	93	32
Nitrobenzene	98-95-3	5	NV	NV	170	49.4	52	105	53	92	52	105	28	53	92	32
N-Nitroso-di-n-propylamine	621-64-7	5	NV	NV	170	0.069 [5]	51	104	49	94	51	104	28	49	94	28
N-Nitrosodiphenylamine	86-30-6	5	NV	NV	170	993	57	110	53	107	57	110	19	53	107	28
Phenanthrene	85-01-8	5	NV	NV	170	1,830	65	108	61	103	65	108	20	61	103	32
Pyrene	129-00-0	5	NV	NV	170	1,720	60	113	58	109	60	113	20	58	109	33
1,2,4-Trichlorobenzene	120-82-1	5	NV	NV	170	143	45	104	52	93	45	104	28	52	93	32
2-Fluorophenol (surr)	367-12-4	--	--	--	--	--	19	90	45	114	--	--	--	--	--	--
Phenol-d5 (surr)	4165-62-2	--	--	--	--	--	10	68	44	124	--	--	--	--	--	--
2,4,6-Tribromophenol (surr)	118-79-6	--	--	--	--	--	36	137	50	128	--	--	--	--	--	--
Nitrobenzene-d5 (surr)	4165-60-0	--	--	--	--	--	49	119	41	123	--	--	--	--	--	--
2-Fluorobiphenyl (surr)	321-60-8	--	--	--	--	--	45	118	46	122	--	--	--	--	--	--
Terphenyl-d14 (surr)	1718-51-0	--	--	--	--	--	46	135	45	135	--	--	--	--	--	--

Table 4-2
Summary of Laboratory QC Limits (Soil and Groundwater)

Parameter	CAS No.	RL / Evaluation Criteria					LCS				Matrix Spike Water			Matrix Spike Soil		
		Water			Soil		Water		Soil		MS Recovery		MSD	MS Recovery		MSD
		RL	NMWQCC[1]	USEPA MCL[2]	RL	SSL[3]	LCL	UCL	LCL	UCL	LCL	UCL	RPD	LCL	UCL	RPD
MNA Parameters		**mg/L**	**mg/L**	**mg/L**	**mg/kg**	**mg/kg**	**%**	**%**	**%**	**%**	**%**	**%**	**%**	**%**	**%**	**%**
Iron (Ferrous) by USEPA SM18 3500 FE-D	1345-25-1	0.1	1.0	0.3 [7]	1	400	80	120	--	--	80	120	20	--	--	--
Manganese by USEPA SW846 Method 6010B	7439-96-5	10	200	0.05 [7]	1	10,700	90	110	--	--	79	121	25	--	--	--
Hydrogen Sulfide (H_2S) by USEPA SM18 4500S - F/H	7783-06-04	1.0	NV	NV	1.5	NV	75	125	--	--	75	125	20	--	--	--
Sulfate by USEPA SW846 Method 9056	18785-72-3	2	600	250 [7]	2	NV	90	110	--	--	90	110	20	--	--	--
Ammonia by USEPA Method 350.1 / SM18 4500 NH_3G	7664-41-7	0.10	NV	NV	1.2	NV	90	110	--	--	90	110	NA	--	--	--
Nitrate by USEPA Method 300 / SW846 Method 9056	14797-55-8	5.0	10	10	1	130,000	90	110	--	--	90	110	20	--	--	--
Total Kjeldahl Nitrogen (TKN) by USEPA 351.2 / SM 4500 NH_3C	7727-37-9	0.26	NV	NV	11	NV	90	110	--	--	90	110	20	--	--	--
Biological Oxygen Demand (BOD) by USEPA SM18 5210B	--	2.0	NV	NV	NA	NV	85	115	--	--	85	115	30	--	--	--
Chemical Oxygen Demand (COD) by USEPA SW846 410.4/SM 5220C	--	0.1	NV	NV	NA	NV	87	122	--	--	87	122	20	--	--	--
TPH by USEPA SW846 Method 8015B		**µg/L**	**µg/L**	**µg/L**	**µg/kg**	**mg/kg**	**%**	**%**	**%**	**%**	**%**	**%**	**%**	**%**	**%**	**%**
TPH-Gasoline Range Organics (C6-C10)	--	0.25	NA[5]	NV	8.3	NA[6]	63	126	66	122	67	171	31	37	142	17
4-Bromofluorobenzene (surr)	460-00-4	--	--	--	--	--	62	135	62	135	--	--	--	--	--	--
aaa-Trifluorotoluene (surr)	98-08-8	--	--	--	--	--	65	118	65	118	--	--	--	--	--	--
TPH-Diesel Range Organics (C10-C22)	--	0.25	NA[5]	NV	8.3	NA[6]	50	150	50	150	50	150	30	50	150	30
TPH-Oil Range Organics (>C22-C36)	--	0.1	NA[5]	NV	5.0	NA[6]	50	150	50	150	50	150	30	50	150	30
o-Terphenyll (surr)	84-15-1	--	--	--	--	--	57	115	57	115	--	--	--	--	--	--
Total Dissolved Solids by USEPA SM19 Method 2540C		**mg/L**	**mg/L**	**mg/L**	**mg/kg**	**mg/kg**	**%**	**%**	**%**	**%**	**%**	**%**	**%**	**%**	**%**	**%**
Total Dissolved Solids	--	10	1,000	500 [7]	--	--	90	110	--	--	--	--	--	--	--	--

Notes:

µg/kg = Micrograms per kilogram
µg/L = Micrograms per liter
USEPA = U.S. Environmental Protection Agency
LCL = Lower Control Limit
LCS = Laboratory Control Sample
mg/kg = Milligrams per kilogram
mg/L = Milligrams per liter
TPH = Total Petroleum Hydrocarbons
MS = Matrix Spike
MSD = Matrix Spike Duplicate
RL = Reporting Limit
RPD = Relative Percent Difference
UCL = Upper Control Limit
VOCs = Volatile Organic Compounds
SVOCs = Semi-volatile Organic Compounds
SW = USEPA Office of Solid Waste
NV = No Value
NA = Not Applicable
CAS No. = Chemical Abstract Number
NMED = New Mexico Environment Department
SSL = Soil Screening Level
MCL = Maximum Contaminant Level
NMWQCC = New Mexico Water Quality Control Commission
SM = Standard Method

[1]NMWQCC Standards for Groundwater, if 10,000 mg/L TDS Concentration or Less, New Mexico Administrative Code 20.6.2.3103

[2] USEPA National Primary Drinking Water Regulations MCLs (816-F-09-004, May 2009)

[3]NMED, Technical Background Document for Development of Soil Screening Levels, Revision 5.0, December 2009 (Residential Soil)

[4]No Value established for NMED Residential SSL (December 2009) and USEPA Regions 3, 6, and 9 Regional Screening Levels (RSLs) (November 2010)

[5]USEPA Regions 3, 6, and 9 Regional Screening Levels (December 2009)

[6]Combined TPH values (GRO/DRO/ORO) will be compared to the applicable petroleum products presented in the NMED, TPH Screening Guidelines, October 2006

[7]USEPA Secondary Drinking Water Standard (May 2009)

APPENDIX C

SITE-SPECIFIC ADDENDUM TO THE BASEWIDE HEALTH AND SAFETY PLAN

SITE-SPECIFIC ADDENDUM
TO THE BASEWIDE HEALTH AND SAFETY PLAN

SUPPLEMENTAL VOLUNTARY CORRECTIVE MEASURES
SS-61 BUILDING 1001 FUEL SPILL SITE
HOLLOMAN AIR FORCE BASE, NEW MEXICO

Prepared for:

49 CES/CEAN
Holloman Air Force Base
New Mexico

Under Contract to:

U.S. Army Corps of Engineers
Omaha District
Omaha, Nebraska 68102

Contract No. W9128F-10-D-0006
Task Order No. 0001

Prepared by:

Bhate Environmental Associates, Inc.
1608 13th Avenue South, Suite 300
Birmingham, Alabama 35205

Bhate Project No. 9100133

May 2011

This page intentionally left blank.

SITE-SPECIFIC ADDENDUM TO THE BASEWIDE HEALTH AND SAFETY PLAN

SUPPLEMENTAL VOLUNTARY CORRECTIVE MEASURES SS-61 BUILDING 1001 FUEL SPILL SITE HOLLOMAN AIR FORCE BASE, NEW MEXICO

TABLE OF CONTENTS

Acronyms and Abbreviations iii
1 Project Safety Coordination 1-1
2 Project Background and Scope 2-1
3 Hazard Assessment and Controls 3-1
3.1 Task Hazard(s) Summary 3-1
3.2 Hazard Control Measures 3-1
3.3 Written Safety Procedures and Programs 3-2
3.4 Permits 3-2
4 Personal Protective Equipment 4-1
4.1 Purpose 4-1
4.2 Scope 4-1
5 Site Monitoring 5-1
6 Site Control 6-1
6.1 Site Activities 6-1
6.2 Decontamination 6-2
7 Communications 7-1
8 Medical Surveillance and Training 8-1
9 Hazardous Chemicals 9-1
10 Emergency Action and Response 10-1
11 Emergency Contacts 11-1
12 Hospital Directions 12-1

13 References 13-1

Tables

Table 1-1. Project Team Members with Project Health and Safety Responsibilities 1-1
Table 3-1. Task Hazards Summary.....3-1
Table 3-2. Written Safety Procedures and Programs.....3-2
Table 4-1. Personal Protective Equipment by Activity.....4-1
Table 5-1. Direct Reading Exposure Monitoring.....5-1
Table 6-1. Site Control for General Work Area(s).....6-1
Table 6-2. Site Control for Potentially Contaminated Area(s).....6-1
Table 6-3. Decontamination Procedures.....6-1
Table 8-1. Required Worker Training and Site-Specific Training.....8-1
Table 9-1. Hazardous Chemicals Brought On-Site..... 9-1
Table 10-1. Emergency Coordinator and Alternate.....10-1
Table 10-2. Evacuation Procedures.....10-1
Table 10-3. Potential Emergency Situations.....10-2

Figures

Figure 12-1. Hospital Route Map 12-2

Attachments

A Activity Hazards Analysis
B Primary Contaminants of Concern

ACRONYMS AND ABBREVIATIONS

AF Fm	Air Force Form
AHA	Activity Hazard Analysis
AISEB	Aerobic In-Situ Enhanced Bioremediation
ANSI	American National Standards Institute
AVGAS	Aviation gasoline
Bhate	Bhate Environmental Associates, Inc.
CES/CEAN	Civil Engineering Squadron/Engineering Asset Management
CFR	Code of Federal Regulations
CHMM	Certified Hazardous Materials Manager
CIH	Certified Industrial Hygienist
CPEA	Certified Professional Environmental Auditor
CPR	Cardiopulmonary Resuscitation
CSP	Certified Safety Professional
dBA	Decibels
DOT	Department of Transportation
DPT	Direct push technology
DQOs	Data Quality Objectives
EM	Engineering Manual
HAFB	Holloman Air Force Base
HASP	Health and Safety Plan
HEPA	High Efficiency Particulate Air
HSA	Hollow Stem Auger
HSM	Health and Safety Manager
IDW	Investigation Derived Waste
L	Liter
mg/m^3	Milligrams per cubic meter
MHS	Master of Health Science
mL	Milliliter
MSDS	Material Safety Data Sheet
MUTCD	Manual on Uniform Traffic Control Devices
NFA	No Further Action
NIOSH	National Institute for Occupational Safety and Health
NRR	Noise Reduction Rating
OSHA	Occupational Safety and Health Administration
OV	Organic Vapor
PM	Project Manager
PCS	Petroleum contaminated soil
PEL	Permissible exposure limit
P.G.	Professional Geologist
PID	Photoionization Detector
PPE	Personal protective equipment

ACRONYMS AND ABBREVIATIONS (CONTINUED)

ppm	Parts per million
SPF	Sun protection factor
SS-61	Building 1001 Fuel Spill Site
SSA	Site-Specific Addendum
SSHO	Site Safety and Health Officer
SVCM	Supplemental Voluntary Corrective Measures
SVOCs	Semi-volatile organic compounds
TPH	Total Petroleum Hydrocarbons
TWA	Time Weighted Average
USACE	U.S. Army Corps of Engineers
VOC	Volatile organic compound

1 PROJECT SAFETY COORDINATION

The Bhate Environmental Associates, Inc. (Bhate) personnel who are responsible for safety and health issues during the implementation of the Supplemental Voluntary Corrective Measures (SVCM) Work Plan are identified in Table 1-1. The respective personnel shall have reviewed and approved this Site-Specific Addendum to the Basewide Health and Safety Plan (HASP) submitted by Bhate for implementation on this scope of work prior to the start of field operations. The requirements of this site-specific addendum are applicable to Bhate employees, their subcontractors, and site visitors.

Table 1-1. Project Team Members with Project Health and Safety Responsibilities

Title	Name	Telephone
Program Manager	Mr. Frank Gardner, P.G.	303-386-6454
Project Manager	Mr. Jim Moore, P.G.	303-929-4840
Project Geologist	Mr. Dustin McNeil, P.G.	303-895-1963
Project Geologist	Mr. Zachary Beck, P.G.	575-921-1736
Health and Safety Director	Ms. Sally S. Smith, MHS, CIH, CHMM, CSP, CPEA	205-918-4032
Site Safety and Health Officer	Mr. John Hymer	575-491-9171

P.G. = Professional Geologist
MHS = Master of Health Science
CIH = Certified Industrial Hygienist
CHMM = Certified Hazardous Materials Manager
CSP = Certified Safety Professional
CPEA = Certified Professional Environmental Auditor

This page intentionally left blank.

2 PROJECT BACKGROUND AND SCOPE

The Building 1001 Fuel Spill Site (SS-61) is located in an industrial area in the central part of Holloman Air Force Base (HAFB). The site is located north of two hangars, Buildings 1079 and 1080, and is divided by DeZonia Drive that runs east-west through the site. The northern section of the site consists of a concrete pad, located southeast of Building 1001 and immediately west of Building 1072, which may have been used for dispensing fuel. The southern portion of SS-61, south of DeZonia Drive, consists of two hangars; Building 1079 and Building 1080. South of the hangars is the tarmac. Site SS-61 includes two Petroleum Contaminated Soil (PCS) source areas which are located north and south of Dezonia Road near Buildings 1071, 1072, 1001, and the Ramp Area. The releases consist of aviation gasoline (AVGAS) used to supply a temporary unit of post World War II piston powered aircraft which were temporarily stationed at HAFB.

Onsite contaminants of concern include Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs), and Total Petroleum Hydrocarbons (TPHs). For further details regarding historical characterization data and the chronology of previous investigations, please refer to Section 2 of the *Draft Supplemental Voluntary Corrective Measures Work Plan SS-61 Building 1001 Fuel Spill Site Holloman Air Force Base, New Mexico* (Bhate, 2011).

The SVCM Work Plan will serve as the primary document for the SS-61 corrective measure activities. The primary project objectives of the SS-61 SVCM are to:

1. Remediate the inaccessible areas of PCS using Aerobic In-Situ Enhanced Bioremediation (AISEB),

2. Characterize the nature and extent of contaminants of concern after remediation efforts are completed,

3. Collect sufficient analytical data to complete a site specific risk assessment to determine the affect of releases on human health and/or the environment, and

4. Collect the proper data to meet the data quality objectives (DQOs) to support a No Further Action (NFA) Status under NFA Criterion 5 and obtain a Class III permit modification to remove this site from Table A of the HAFB Permit (NM6572124422).

The anticipated activities for this SVCM project include:

- Mobilization and demobilization of equipment;
- Installation of horizontal injection wells
- Air Injection into aquifer;
- Direct push technology (DPT) soil boring;
- Hollow Stem Auger (HSA) monitoring well installation; and
- Performance monitoring including; subsurface soil sampling and groundwater sampling.

This page intentionally left blank.

3 HAZARD ASSESSMENT AND CONTROLS

3.1 Task Hazard(s) Summary

The potential health and safety hazards of this task are summarized below in Table 3-1. The potential for encountering these hazards is ranked (high, moderate, or low) based on the work to be performed and the hazard control measures to be used.

Table 3-1. Task Hazards Summary

Summary	Hazard potential [High, Moderate, or Low]	Description of potential hazards
__√__ **Safety** (i.e. Walking and working surfaces, heavy equipment, traffic, falls, power and hand tools, materials handling, electrical safety, etc.)	• Moderate All tasks and their control measures are addressed in Task Specific Activity Hazard Analyses (AHAs) in Attachment A	• Walking and surfaces • Heavy equipment and vehicular traffic • Materials handling • Slips, trips, and falls
__√__ **Utilities**	• Low	• Buried • Overhead • Building Although these hazards should not be associated with this particular scope of work, it is necessary to verify that the hazards can be controlled.
__√__ **Chemical**	• Moderate	• VOCs: benzene, toluene, ethylbenzene, and xylenes • SVOCs • TPHs • Portland cement (may contain silica and trace toxic metals – chromium and lead) (See Attachment B)
__√__ **Physical**	• Moderate	• Thermal stressors • Equipment noise
__√__ **Biological** (i.e. Plants, animals, insects, spiders, infectious waste)	• Low	• Insect stings and bites • Poisonous snakes/reptiles (Potential for contact should be minimal)

3.2 Hazard Control Measures

General safe work practices and control measures are identified and summarized in the *Basewide HASP* (Bhate, December 2003) and are consistent with the practices described in the *U.S. Army*

Corps of Engineers Safety and Health Requirements Manual, EM 385-1-1, September 2008. Additional task-specific hazards and control measures are identified for non-routine tasks as part of the AHA process. AHAs have been developed for each of the following activities and are included in Attachment A:

- General site activities/mobilization and demobilization
- Injection system operation and maintenance activities
- Soil boring, subsurface soil sampling, monitoring well installation, horizontal well installation, monitoring well development, and groundwater sampling

3.3 Written Safety Procedures and Programs

Table 3-2 provides a summary of the existing safety procedures and programs that will be used for the SVCM at SS-61. Copies of applicable procedures and programs are included in the *Basewide HASP*, as indicated.

Table 3-2. Written Safety Procedures and Programs

Reference Procedure or Program	Applicable Section(s)
Hazard Communication Program	All (Refer to Basewide HASP)
Respiratory Protection Program	All (Refer to Basewide HASP)
Hearing Conservation Program	All (Refer to Basewide HASP)
Incident Reporting and Investigation Program	All (Refer to Basewide HASP)
General Work and Safety Rules	All (Refer to Basewide HASP)
Site Health and Safety Inspections	All (Refer to Basewide HASP)
Environmental Monitoring	All (Refer to Basewide HASP)
Personal Protective Equipment Program	All (Refer to Basewide HASP)
Thermal Stressors Program	All (Refer to Basewide HASP)
Materials Handling Program	All (Refer to Basewide HASP)
Housekeeping Program	All (Refer to Basewide HASP)
Fire Prevention/Protection/Response Plans Program	All (Refer to Basewide HASP)
Utilities Program	All (Refer to Basewide HASP)
Electrical Safety Program	All (Refer to Basewide HASP)
Emergency Procedures Program	All (Refer to Basewide HASP)
Hand and Power Tools Program	All (Refer to Basewide HASP)

3.4 Permits

Before site activities can begin, there are several pre-construction documents and approval requirements to be met, including Air Force Form (AF Fm) 332 approval, Base dig permit with utility clearances, site security measures, and facility manager notification of the intended

operations. Bhate will coordinate project requests for Base installation support services through the 49th Civil Engineering Squadron/Engineering Asset Management (CES/CEAN). Pertinent to the start of activities, a pre-construction meeting and site walk-through will be conducted with the U.S. Army Corps of Engineers (USACE) Resident Engineer, HAFB personnel, and the Bhate Site Manager, to inspect site conditions for site/equipment access, equipment staging, and decontamination area(s), potential site hazards, and emergency evacuation routes. Also reviewed at this time will be project procedures in accordance with the schedule and planned activities.

This page intentionally left blank.

4 PERSONAL PROTECTIVE EQUIPMENT

4.1 Purpose

The purpose of this program is to ensure that personnel protective equipment (PPE) is selected in accordance with 29 Code of Federal Regulations (CFR) §1910.132, properly used and maintained, and that Bhate personnel are properly trained in the inspection, use, and maintenance of PPE.

4.2 Scope

This program applies to all Bhate operations, including subcontractors, during this Bhate managed SVCM project. The following PPE as presented in Table 4-1 will be used for the identified activities based on the best available information about the work requirements and anticipated hazards.

Table 4-1. Personal Protective Equipment by Activity

Activity	Head/Face	Foot	Hands	Respiratory	Clothing
Mobilization / Demobilization	Hard Hat (for overhead hazards), Safety Glasses[1] with rigid side shields	Steel toed boots	Leather gloves as needed	None[3, 4]	Minimum of long pants and shirts with a minimum 4-inch sleeve
General Site Labor	Hard Hat (for overhead hazards), Safety Glasses[1] with rigid side shields	Steel toed boots	Leather gloves as needed	None[3, 4]	Minimum of long pants and shirts with a minimum 4-inch sleeve
Equipment Operation (Drilling)	Hard Hat[2] (for overhead hazards), Safety Glasses[1] with rigid side shields	Steel toed boots Boot covers for entering and exiting equipment	Leather gloves as needed	Use of Air Purifying Respirator with High Efficiency Particulate Air (HEPA)/Organic vapor (OV) cartridges based on monitoring[3, 4]	Minimum of long pants and shirts with a minimum 4-inch sleeve
Equipment Decontamination	Hard Hat[2] (for overhead hazards), Safety Glasses[1] with rigid side shields	Steel toed boots Boot covers	Chemical resistant gloves	Use of Air Purifying Respirator with HEPA/OV cartridges based on monitoring[4]	Minimum of long pants and shirts with a minimum 4-inch sleeve Tyvek coveralls may be worn as recommended by the SSHO[5]

Activity	Head/Face	Foot	Hands	Respiratory	Clothing
Soil/Groundwater Sampling	Hard Hat (for overhead hazards), Safety Glasses[1] with rigid side shields	Steel toed boots	Chemical resistant gloves	Use of Air Purifying Respirator with HEPA/OV cartridges based on monitoring[4]	Minimum of long pants and shirts with a minimum 4-inch sleeve Tyvek coveralls may be worn as recommended by the SSHO
Supervision of work	Hard Hat (for overhead hazards), Safety Glasses[1] with rigid side shields	Steel toed boots	Leather gloves as needed	None[3, 4]	Minimum of long pants and shirts with a minimum 4-inch sleeve

Notes:

[1] Safety Glasses with rigid side shields approved by American National Standards Institute (ANSI) Z-87 required at all times.

[2] Hard hats are not required inside fully enclosed equipment cabs.

[3] Voluntary use of respirators is authorized for comfort from nuisance dusts and odors, provided they are issued and used in accordance with established respiratory protection program procedures.

[4] Cartridge change out will occur at the following conditions:

- Damage to cartridge
- Cartridge is wet, restriction in breathing, unusual odors
- Cartridge is visibly clogged with dust, restriction in breathing
- After 40 hours of use with no continuous exposures over the established Permissible Exposure Limits (PELs)
- Changes that may be otherwise identified in 29 CFR §1910.120.

[5] SSHO = Site Safety and Health Officer

The following qualified person certifies that the selection of PPE is based on best available information about the work requirements and anticipated hazards.

Printed name:	**Signature:**	**Date:**
Sally S. Smith, MHS, CIH, CHMM, CSP, CPEA **Health and Safety Director**	Sally S. Smith	5/19/2011

5 SITE MONITORING

Site monitoring will be conducted using direct-reading instruments primarily in the workers' breathing zone. To the extent feasible, site operations will be conducted and modified as needed to ensure that personnel are situated upwind of the soil boring/well installation during drilling activities. Initial upwind background and work-zone readings will be obtained before the initiation of activities. Readings of breathing zones (unless location is otherwise specified) will be taken periodically during all activities. The SSHO has the authority to modify the level of protection required for work at the site as well as halt operations as deemed necessary to control personal exposures. Monitoring results will be recorded on an Atmospheric Monitoring Log Field Health and Safety form maintained by the SSHO. Monitoring, calibrating, and maintaining instruments are the responsibility of the SSHO. Table 5-1 summarizes the site monitoring parameters and action levels applicable for direct reading exposure monitoring.

Table 5-1. Direct Reading Exposure Monitoring

Activity(s)	Compound / Instrument	Action Level(s) and Frequency	Actions
Soil boring and monitoring well/ injection well installation (all intrusive activities) Investigation Derived Waste (IDW) Handling	Total VOCs / Photoionization Detector (PID)	0 - 5 parts per million (ppm) above background Every 15 minutes during intrusive activities	Continue work in required PPE and continue monitoring.
		> 5 ppm to < 10 ppm above background (Sustained for more than 5 minutes)	Ensure personnel are upwind, notify the Project Manager (PM). SSHO will upgrade PPE to Level C respiratory protection with HEPA/OV cartridge, as necessary. Implement appropriate controls such as ventilation. **Monitor for benzene and implement actions listed below**.
		> 10 ppm above background (Sustained for more than 5 minutes)	Stop work, ensure employees are upwind. Notify PM and Health and Safety Manager (HSM) for additional control measures.
	Benzene / By colorimetric tube or similar (where indicted by PID readings)	No detection up to 0.2 ppm	Continue work activities in required protective equipment. Perform integrated personal exposure monitoring using OV badge or charcoal tubes with calibrated pump per National Institute for Occupational Safety and Health (NIOSH) or Occupational Safety and Health Administration (OSHA) method (consult HSM as needed).
		> 0.2 ppm	Cease work, exit the area to upwind location and notify the Site Manager.

Table 5-1 (Continued). Direct Reading Exposure Monitoring

Activity(s)	Compound / Instrument	Action Level(s) and Frequency	Actions
All intrusive activities (continued)	Dust Particulates / Personal DataRam or SKC HAZ Dust IV Real Time Particulate Air Monitor	0 – 1 milligrams per cubic meter (mg/m^3) Every 5 minutes during intrusive activities	Continue work in required PPE and continue monitoring.
		>1 mg/m^3 - < 30 mg/m^3 (Sustained for more than 5 minutes)	Cease work and ensure personnel are upwind, notify the Site Manager. Use wet methods for dust suppression. SSHO shall upgrade PPE to full face air purifying respiratory protection with HEPA/OV cartridges. Perform personnel exposure monitoring using integrated time weighted average (TWA) monitoring for dust and metals: lead, arsenic, and chromium.
		>30 - < 50 mg/m^3 (Sustained for more than 5 minutes)	Cease work and ensure personnel are upwind, notify the Site Manager. Use wet methods for dust suppression. SSHO shall upgrade PPE to full face powered air purifying respiratory protection with HEPA/OV cartridges. Perform personnel exposure monitoring using integrated TWA monitoring for dust and metals: lead, arsenic, and chromium.
		> 50 mg/m^3 (Sustained for more than 5 minutes)	Stop work, ensure employees are upwind. Notify PM and HSM for additional control measures.
All site activities	Noise	< 85 decibels A-weighted (dBA)	Continue work in required PPE and continue monitoring.
		> 85 dBA to < 110 dBA	Ear plugs or ear muffs must be worn with a Noise Reduction Rating (NRR) of at least 26 dBA.
		> 110 dBA to < 130 dBA	Ear plugs and ear muffs must be worn together each with a NRR of at least 26 dBA each
		> 130 dBA	Cease work and ensure personnel leave work area. Notify the PM.

6 SITE CONTROL

6.1 Site Activities

Site-specific site control measures will be used to control access to the SS-61 SVCM work areas. Tables 6-1 and 6-2 summarize the site control requirements applicable for both general work areas and work areas with potentially contaminated soils, respectively.

Table 6-1. Site Control for General Work Area(s)

Location	Site Control Procedure (discuss important elements such as signs, barricades, fencing, briefings, sign-in/out logs, etc.)
General Work Area	Due to the location of the project site, access will be coordinated with the Site Manager and HAFB Operations. Access will be made via a specified route. The SSHO will be responsible for the accountability for all onsite personnel using appropriate sign in / sign out procedures as needed. The SSHO shall be responsible for maintaining adequate site control in order to limit hazards to site workers and site visitors. To the extent feasible, immediate work areas shall be cordoned off through the use of devices such as traffic cones, caution tape, or construction fencing along with appropriate signage such as "Danger – Construction Area, Authorized Personnel Only" and "Hard Hat, Safety Glasses, and Safety Boots Required in this Area". All site workers shall be aware of surroundings and prevent unauthorized personnel as well as vehicle traffic from entering the work area. SS-61, lies in the industrial portion of the base, therefore, traffic control may be required. In the event of traffic control use, all traffic control devices and methodologies will comply with the U.S. Department of Transportation (DOT) Manual on Uniform Traffic Control Devices (MUTCD, http://mutcd.fhwa.dot.gov/) including the use of appropriate roadway markings, highly visible safety vests, and flagmen as needed.

Table 6-2. Site Control for Potentially Contaminated Area(s)

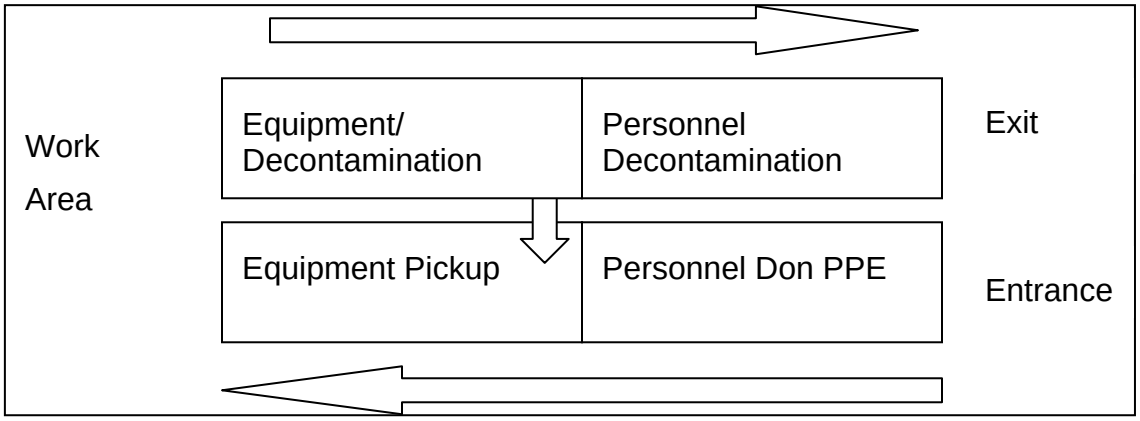
Location	Site Control Procedure (discuss important elements such as signs, barricades, briefings, qualifications, required supplies and equipment, sign-in/out logs, etc.)
Support Zone	Located outside of contaminated areas, access will be from clean areas or from the Exclusion Zone through the Contamination Reduction Zone.
Contamination Reduction Zone	The Contamination Reduction Zone will be demarcated with caution tape or temporary construction fencing. Decontamination stations will be located here.
Exclusion Zone	Exclusion Zone work areas will be clearly demarcated with caution tape or temporary construction fencing. All access to this area will require the use of a sign-in/out log.

6.2 Decontamination

Required decontamination procedures are described below in Table 6-3.

Table 6-3. Decontamination Procedures

Type of decontamination	Decontamination Methods
Personnel decontamination	Personal hygiene will be the responsibility of each individual worker. Eating, drinking, chewing tobacco or gum, smoking, and any other practice that may increase the possibility of hand-to-mouth contact is prohibited in the work area. Personnel will be required to thoroughly wash hands and face prior to eating, drinking, or smoking. Any disposable PPE used will be collected following use in the work area for proper disposal. All disposable PPE will be removed and disposed of in a labeled, pre-designated receptacle prior to leaving the work area to prevent the spread of contaminants. Upon return, new and/or cleaned PPE will be provided for use. In the case of excessive soiling or splattering, the PPE shall be changed out more frequently to reduce the spread of contamination and reduce the potential for contaminant breakthrough. Reusable PPE shall be cleaned with soap and water after each use. Respirator filter cartridges (if used) shall be changed out based on the respirator cartridge change-out schedule established by Bhate's HSM as described in Note # 4 in Table 4-1 of this SSHP. The decontamination area will be divided into two general areas (equipment area and personnel decontamination area). When exiting the work area, workers will leave all equipment in the equipment area. Workers will then remove PPE. Gloves will be turned inside out so as to not come into contact with potentially contaminated material. Respirators if used will then be removed and set aside for cleaning. Workers will then proceed to the personnel decontamination area and don clean gloves for use with soap and water to wash respirators, any other reusable PPE and tools. A small wash area will be provided so workers can then wash their face and hands. Clean paper towels and/or rags will be used to dry hands and face. Spent PPE and towels/rags will then be placed in a 55-gallon drum for proper disposal at the end of the project. The drawing following this table depicts a typical decontamination sequence.
Equipment decontamination	Work efforts will be made to minimize equipment contact with contaminated materials. Prior to leaving the work area(s), equipment (tires, treads, drill rods, hand tools) will be dry decontaminated. Soils from the dry decontamination process will be disposed of at the HAFB Land Farm. Decontamination tools may include brooms and shovels.


Work
Area
Equipment/
Decontamination
Personnel
Decontamination
Exit
Equipment Pickup
Personnel Don PPE
Entrance

This page intentionally left blank.

7 COMMUNICATIONS

Cellular telephones will be available to summon emergency services as required. Refer to Sections 10, 11, and 12 of this Site-Specific Addendum (SSA) to the HASP for site specific guidance on emergency situations and appropriate actions. Site communication amongst workers shall be a combination of verbal and line of sight hand communications. Some common hand communication signals include the following:

- Hand gripping throat: Can't breath
- Grip partner's wrist or both hands at waist: Leave area immediately
- Hands on top of head: Need assistance
- Thumbs up: OK, I'm all right, I understand
- Thumbs down: No, negative

Cellular telephone use is not permitted while operating equipment. However, in the event of an emergency, the support zone personnel may contact drill rig operators with hand held radios or cellular phones.

This page intentionally left blank.

8 MEDICAL SURVEILLANCE AND TRAINING

The medical surveillance and training requirements for Bhate's on-site personnel working on the SVCM activities will follow the requirements outlined in the Basewide HASP Sections 7.4 and 5, respectively.

All personnel performing on-site work activities, wherein they may be exposed to hazards resulting from field activities, will have completed applicable training in compliance with 29 CFR Part 1910/29 CFR Part 1926 and Engineering Manual (EM) 385-1-1. Table 8-1 provides a summary of the minimum training requirements for site project personnel.

Table 8-1. Required Worker Training and Site-Specific Training

Required worker training	Site-specific training requirements
√ 40-hour Hazwoper General Site Worker (All) √ 8-hour Hazwoper Supervisor (SSHO) √ 8-hour Hazwoper Refresher (ALL, as applicable) √ 30-hour for Construction (SSHO) No retraining requirements are anticipated during the project	All personnel working on site shall attend site-specific orientation/training prior to starting onsite project work. This training will be facilitated by the SSHO. Documentation of OSHA "competent person/qualified person", as required, for electrical and lock-out/tag-out program.

Additionally, at a minimum the SSHO or the designated representative and one other person will be certified in First Aid and Cardiopulmonary Resuscitation (CPR), and will be continuously present during site operations.

This page intentionally left blank.

9 HAZARDOUS CHEMICALS

Hazardous chemicals (as defined in 29 CFR §1910.1200) to be brought or used on-site are identified below. This chemical inventory and associated Material Safety Data Sheet (MSDSs) will be maintained by the SSHO.

Table 9-1. Hazardous Chemicals Brought On-Site

Chemical Name	Amount	Location	Purpose
Assorted fuels, lubricants, coolants, etc. necessary for equipment operation	No storage planned. Quantities limited to immediate use requirements of on-site equipment.	No storage planned. Materials to be brought on-site by vendor's maintenance vehicle.	Equipment Servicing and Operation
Calibration gases for air monitoring equipment, if required for instruments in use	One small aluminum cylinder of each required gas. (Each contains approximately 35 liters [L] of gas mixture).	Storage with monitoring equipment in the onsite field office	Calibration of monitoring equipment
Groundwater sample preservative (hydrochloric acid)	2 milliliter (mL)/vial	Minimal quantities will be required for groundwater sampling	Groundwater sampling
Portland cement (contains silica and trace toxic metals such as chromium and lead)	Several bags	With the Hollow Stem Auger drill rig	Ingredient for grout

Hazardous materials anticipated to be brought on site include: preservatives for groundwater samples; calibration gases for air monitoring equipment; possible fuel, lubricants, or coolants for drill rigs and accessory vehicles; and Portland cement and bentonite for grout for the monitoring well installation. No other hazardous materials are anticipated to be brought on site by Bhate or any potential subcontractor for use on site under this scope of work.

A copy of the Bhate Hazard Communication Program is included in the Basewide HASP. A MSDS must be maintained on site for any hazardous materials stored or used. A MSDS must be submitted to the HSM and approvals obtained prior to bringing any hazardous materials on the job site. The MSDSs for all hazardous materials will be reviewed with all onsite personnel by the SSHO as a part of chemical specific hazard communication training.

Additionally, all personnel onsite will have appropriate general hazard communication training per 29 CFR §1910.1200 and 29 CFR §1910.120. All containers used to store hazardous materials or IDW will be properly labeled with the identity and hazards associated with the contents. All IDW water will be contained in 55-gallon U.S. DOT approved drums. An inventory of the number of drums will be maintained by the SSHO. The labeling will be

weatherproof and fade proof for a minimum of 1 year. An IDW holding area will be designated at or near the subject site. Groundwater sampling results will be used to characterize IDW in the form of water. Soil IDW generated from drilling soil borings and installing monitoring wells will be staged adjacent to boreholes on minimum 10 millimeter thick polyethylene sheeting. Soil IDW will be transported daily to the HAFB Land Farm for treatment.

10 EMERGENCY ACTION AND RESPONSE

Personnel responsible for coordinating emergency response actions during the SVCM activities are identified below in Table 10-1. A map showing directions to the authorized medical facility are included in Section 12.

Table 10-1. Emergency Coordinator and Alternate

Responsibility	Name	Phone Number(s)
Task Emergency Coordinator	Mr. John Hymer	Office (575) 201-4261 Cell (575) 491-9171
Alternate Emergency Coordinator	Mr. Dave Rizzuto	Office (575) 201-4261 Cell (575) 430-3965

If an emergency situation develops which requires evacuation of the work area, the evacuation procedures in Table 10-2 shall be followed.

Table 10-2. Evacuation Procedures

Evacuation Step	Methods and comments:
Notify affected workers	Use of site communication methods as applicable
Evacuate to safe location	Assemble at the primary evacuation site (support area outside of the exclusion zone)
Assemble and account for workers	Emergency Coordinator shall account for personnel using site Sign in/Sign out sheet
Notify Fire and Emergency Services	Notification as needed
Complete incident report	Follow the Incident Reporting and Investigation Procedure

Table 10-3 summarizes potential emergency situations and response actions that are applicable to the SS-61 site SVCM activities.

Table 10-3. Potential Emergency Situations

In case of	Response actions
Injury or illness	Treat injury with applicable First Aid. All work related injuries beyond first aid will result in notification of Emergency Services and notification of the employee supervisor. Any employee requiring advanced medical treatment will be accompanied by a knowledgeable company employee that can answer potential questions on job duties and hazards. Make notifications in accordance with the Incident Reporting and Investigation Procedure (found in Section 10.2.2 of the *Basewide Health and Safety Plan*, Bhate, December, 2003).
Chemical exposure	First Aid shall be provided such as but not limited to: move victim to fresh air, remove contaminated clothing, flush affected skin with water, and seek medical attention.
Fire or explosion	Notify emergency services immediately. All personnel shall evacuate the immediate area of the fire and move to an upwind location. Personnel shall not engage in fire fighting activities use of fire extinguisher) unless trained to do so and only in the incipient stages of fire.
Adverse weather	Tornados, lightning, or other threatening weather conditions will result in an immediate shut down of operations and evacuation of personnel. Lightning proximity will be determined by measuring the time interval between the visually observed lightning flash and the subsequent sound of thunder. An interval less than 30 seconds will prompt the shut down. Operations will be shut down for the period of the storm passing plus an additional 20 minutes.
Material spill or release	Vehicles and equipment will be maintained and inspected so as to prevent fluid leaks. Should any vehicle fluid leaks occur, the equipment will be taken out of service to make necessary repairs and any contaminated material will be cleaned-up and disposed of properly. Spill kits will be available to facilitate prompt containment and clean-up of spills. Notification will be made in accordance with the Incident Reporting and Investigation Procedure. Storage areas will be designed to have secondary containment as required, and work plans will be executed to accommodate stormwater runoff and minimize the potential for contamination spread.

11 EMERGENCY CONTACTS

In the event of an emergency, the following contacts should be made, as appropriate:

HAFB Emergency Number (using HAFB phone system)……...9-911
Operators will assist with Medical, Fire, and Police emergencies

HAFB Security Force……...(575) 572-5037

HAFB Fire Protection……...(575) 572-1117

HAFB Hospital – 49th Medical Group (Main switchboard)……(575) 572-2778

Civilian Hospital (Alamogordo)
Gerald Champion Regional Medical Center…….……(575) 439-6100

HAFB Fire Protection (Non-emergency) …….....…….……..(575) 572-7228

Range Control (for Heat Index and Category) …….....(575) 678-2222

Site Safety and Health Officer – John Hymer ……..Cell (575) 491-9171

Health and Safety Manager – Sally Smith ……...(205) 918-4032
Cell (205) 983-4150

After initial contacts have been made and the situation has stabilized, notify the Bhate Site Manager, SSHO, Project Manager, and/or HSM, as appropriate.

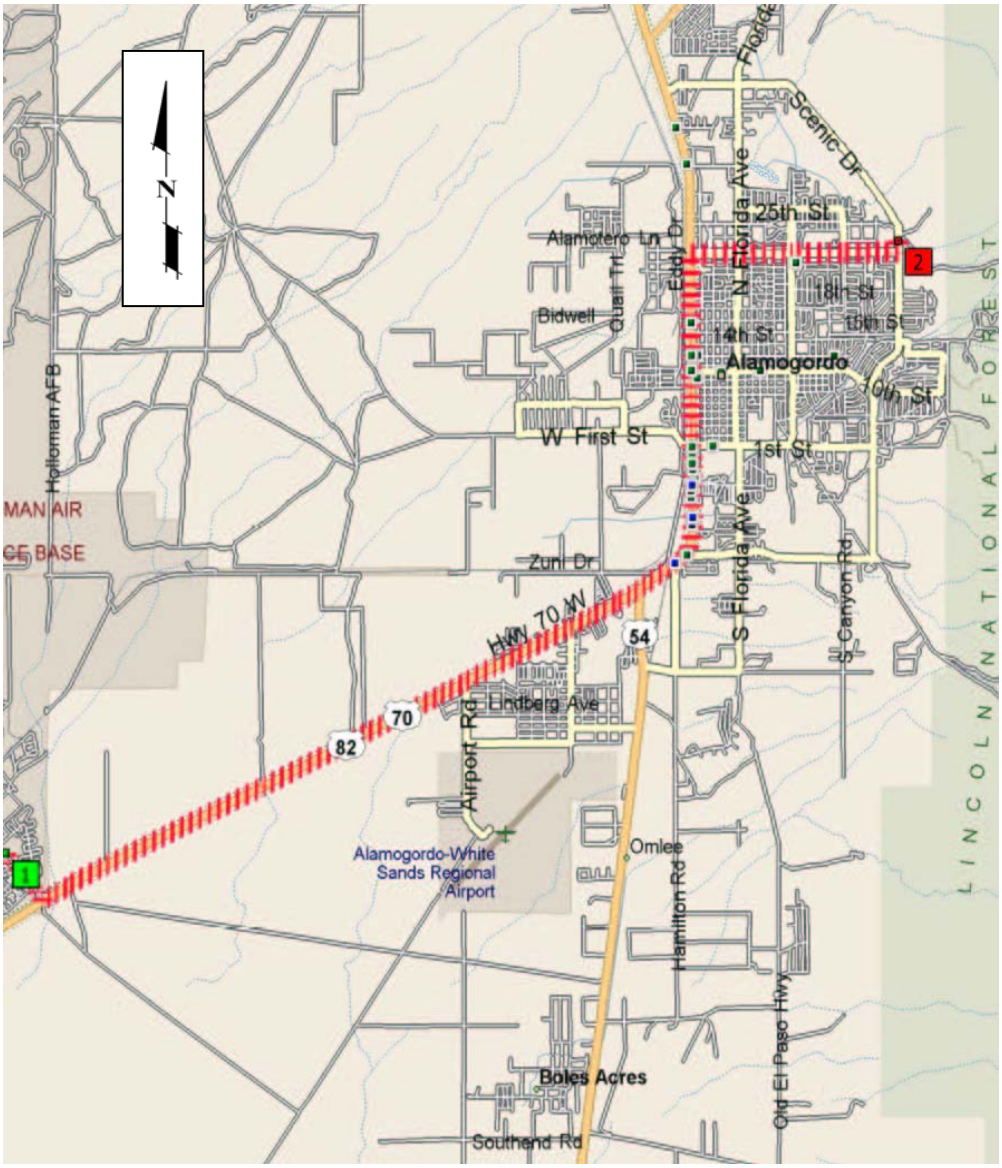
This page intentionally left blank.

12 HOSPITAL DIRECTIONS

In the event of a true medical emergency ("life or limb"), HAFB Emergency Services should be used. Notification of any injury must be made to HAFB Emergency Services. Bhate personnel and subcontractors should not transport injured personnel to the HAFB Hospital without prior authorization from HAFB Emergency Services.

Other injuries should be treated as necessary at Gerald Champion Regional Medical Center at 2669 Scenic Drive, Alamogordo, NM 88330. From HAFB, exit the Main Gate and proceed east on US-70 onto US-54, continue north on US-54 to Indian Wells Road, turn right heading east to Scenic Drive, and turn left on Scenic proceed to the medical center. A map to this hospital is presented as Figure 12-1.

Figure 12-1. Hospital Route Map



bhate associates ENGINEERING, SCIENCE AND CONSTRUCTION	HOSPITAL ROUTE MAP Holloman Air Force Base to Gerald Champion Regional Hospital Source: Microsoft Expedia Street Maps	Site SS-61 SVCM Holloman Air Force Base SSA to the HASP Figure 12-1
	Not to Scale	Date May 2011

13 REFERENCES

Bhate Environmental Associates, Inc. December 2003. *Basewide Health and Safety Plan.*

Bhate Environmental Associates, Inc. May 2011. *Final Supplemental Voluntary Corrective Measures Work Plan, SS-61 Building 1001 Fuel Spill, Holloman Air Force Base, New Mexico.*

Occupational Safety and Health Administration. February 1, 2005. 29 Code of Federal Regulations (CFR) Part 1910.

USACE. November 2008. *Safety: Safety and Health Requirements Manual EM 385-1-1.*

This page intentionally left blank.

ATTACHMENT A
ACTIVITY HAZARD ANALYSES (AHA)

Activity Hazard Analysis (AHA) – 01

Task: SS-61 Supplemental Voluntary Corrective Measures	**Bhate Project Number:** 9100133	
Minimum Personal Protective Equipment (PPE): Level D PPE (Long pants, shirts with minimum 4" sleeve, steel toe boots, safety glasses, hard hat for overhead hazards, leather work gloves, and hearing protection, as required). Level C PPE upgrade, as required (Air-purifying respirator with HEPA/OV cartridges, based on ambient air monitoring [Table 5-1]).	**Location:** Holloman Air Force Base, New Mexico	
	Analysis Approved by: Sally S. Smith, CIH, CSP, CHMM, CPEA	**Date:** May 9, 2011

Activity	Potential Hazards	Recommended Controls
General Site Activities including Mobilization / Demobilization and Site Preparation Note: Each workday shall begin with a mandatory daily safety meeting for all on-site workers	Slips, trips, or falls on walking and working surfaces	• Determine the best access route prior to transporting equipment and tools • Continuously inspect the work area for slip, trip, and fall hazards • Pay attention; ensure safe and secure footing • Maintain clean work areas by following good housekeeping procedures • Be alert for uneven and variable terrain • Wear slip resistant footwear when walking/working on slippery surfaces or slopes
	Site Traffic	• Be aware of potential vehicle traffic while on site • Follow posted warnings and rules for travel around site • Wear high visibility apparel.
	Eye injury	• Use approved safety glasses with rigid side shields
	Overhead hazards	• Personnel will be required to wear hard hats that meet ANSI Standard Z89.1 in all areas with overhead hazards
	Cuts, punctures, and abrasions	• Wear leather work gloves when handling materials or using tools
	Dropped objects	• Steel toe boots meeting ANSI Standard Z41 will be worn
	Thermal Stressors (i.e. heat stress, cold stress)	• Employees will have appropriate clothing for variable weather • Use of long sleeves or application of sunscreen with a high sun protection factor (SPF) on exposed skin encouraged • Employees will take breaks and drink plenty of fluids to prevent heat stress • Warming breaks will be permitted as necessary to prevent cold stress
	Back Injury from Materials Handling	• Use proper lifting techniques • Loads greater than 50 pounds require assistance or mechanical equipment • Prior to lifting, check the load for jagged or sharp edges • Avoid torso twisting motions while handling or moving loads

AHA – 01 (continued)

Activity	Potential Hazards	Recommended Controls
General Site Activities including Mobilization/ Demobilization and Site Preparation (continued)	Inclement weather (Thunderstorms and tornadoes)	• Halt activities immediately and take cover during thunderstorm or tornado warnings, shelter in a building if possible, stay away from windows • Check internet, local TV weather or radio channels for daily forecast and plan daily work activities accordingly • Have a portable radio available on-site to monitoring local weather or marine forecasts • Frequently observe the skyline for developing rain squalls and thunder storms systems that may be developing • Bring clothing suitable for anticipated daily weather conditions • Shut down operations during heavy rain/lightning events or high wind conditions ▪ When lightning is observed, the SSHO will shut the operations down for a minimum of 30 minutes between strikes ▪ **At a minimum, operations will be shut down for the period of the storm passing plus an additional 30 minutes** • For storms producing lightning, seek safe haven in a grounded structure or rubber vehicle • Do not seek refuge under trees during electrical or high wind storm events • Stay away from ravines and gullies during heavy rain events, because of the possibility of flash flood events • Do not use telephones during electrical storms, except in the case of emergency • If outdoors, stay close to the ground • Listen to radio or television announcements for pending weather information • Do not try to outrun a tornado on foot or in a vehicle
	Biological hazards (spiders, snakes, etc.)	• Workers will inspect the work area carefully and avoid placing hands and feet into concealed areas • Look in direction of travel for biological hazards to avoid
	Chemicals (i.e. fuels, lubricants, coolants, sample preservatives, etc)	• Always practice good personal hygiene by washing hands and face frequently during the day and especially before eating, drinking, smoking, applying cosmetics, or any other activity that would increase the chances for hand to mouth exposure. • Wear appropriate PPE while handling any chemicals; refer to the MSDS for specific requirements; minimum PPE must include safety glasses, safety boots, hard hats (for overhead hazards), and chemical resistant gloves.

AHA – 01 (continued)

Safety Equipment Used	Inspection Requirements	Training Requirements
Level D PPE or Level C, based on air monitoring First Aid Kit Fire Extinguisher Eye Wash	Weekly inspections will be performed on fire extinguishers. Weekly inspections will be performed on first aid kits. Portable eye wash will be inspected weekly. Informal daily work area inspections to be conducted by the SSHO. Formal weekly inspections to be conducted by the SSHO using the Site Safety and Health Inspection Form.	Site personnel have read and understand this SSA and the HASP Site personnel possess all of the required training as specified in this SSA Site personnel received site specific safety indoctrination At least two individuals on-site will have current CPR and First Aid training

This page intentionally left blank.

AHA – 02

Task: SS-61 Supplemental Voluntary Corrective Measures	**NationView Project Number:** 9100133	
Minimum Personal Protective Equipment (PPE): Level D PPE (Long pants, shirts with minimum 4" sleeve, steel toe boots, safety glasses, hard hat for overhead hazards, leather work gloves, and hearing protection, as required). Level C PPE upgrade, as required (Air-purifying respirator with HEPA/OV cartridges based on ambient air monitoring [Table 5-1]).	**Location:** Holloman Air Force Base, New Mexico	
	Analysis Approved by: Sally S. Smith, CIH, CSP, CHMM, CPEA	**Date**: May 9, 2011

Activity	Potential Hazards	Recommended Controls
Air injection into aquifer -System Operation and Maintenance Activities Hazards and recommended controls from AHA – 01 apply	Equipment hazards	• All equipment shall be de-energized prior to conducting mechanical repairs as needed. Implement Lock-out/Tag-out program (OSHA Competent person for Lock-out/Tag-out program required) • Use caution when working in or around hot or sharp surfaces • Wear appropriate PPE for checking equipment fluid levels and replacing fluids • Use of hearing protection recommended during work conducted in enclosed space with equipment in operation
	Compressed Gas Handling	• Follow the compressed gas handling guidelines found in Section 25.3 of the Basewide HASP • Ensure connections are tight and do not leak • Cylinders shall be chained or secured with similar devices • When not in use, all cylinders shall have safety cap in place
	Spills/residue material	• Have absorbent materials available to control possible spills or leaks • After a spill, properly dispose of spent absorbent into labeled and closed container, in accordance with HAFB, local, state and federal regulations
	Electrical Shock	• Electrical line installation will be performed by qualified personnel • OSHA Competent person for electricity required
Safety Equipment Used	**Inspection Requirements**	**Training Requirements**
Level D PPE or Level C, based on air monitoring First Aid Kit Fire Extinguisher Eyewash	Weekly inspections will be performed on fire extinguishers. Weekly inspections will be performed on first aid kits. Portable eye wash will be inspected weekly. Informal daily work area inspections to be conducted by the SSHO. Formal weekly inspections to be conducted by the SSHO using the Site Safety and Health Inspection Form.	Site personnel have read and understand this SSA and the HASP Site personnel possess all of the required training as specified in this SSA Site personnel received site specific safety indoctrination Site personnel have reviewed all applicable MSDSs At least two individuals on-site will have current CPR and First Aid training Subcontractors will provide documentation of qualification for "OSHA competent person/qualified person" for electrical and lock-out/tag-out

This page intentionally left blank.

AHA – 03

Task: SS-61 Supplemental Voluntary Corrective Measures	**Bhate Project Number:** 9100133	
Minimum Personal Protective Equipment (PPE): Level D PPE (Long pants, shirts with minimum 4" sleeve, steel toe boots, safety glasses, hard hat for overhead hazards, leather work gloves, and hearing protection, as required). Level C PPE upgrade, as required (Air-purifying respirator with HEPA/OV cartridges based on air monitoring [Table 5-1]).	**Location:** Holloman Air Force Base, New Mexico	
	Analysis Approved by: Sally S. Smith, CIH, CSP, CHMM, CPEA	**Date:** May 9, 2011

Activity	Potential Hazards	Recommended Controls
Soil Boring using Direct Push Technology (DPT), Monitoring Well Installation by Hollow Stem Auger (HSA), Horizontal Injection Well Installation, Well Development, Soil/ Groundwater Sampling, and IDW Handling	Drill Rig Hazards Including but not limited to: Flying debris, falling objects, noise, hydraulic failures, unguarded machinery, equipment rollover, movement of large, heavy drilling tools, etc.	• Drill rig is to be operated and maintained by qualified operators • A Drill Rig Inspection Checklist should be completed daily to ensure that the rig is operating properly • The inspection will include fittings, cables, pins, connections, lubrication points, controls, emergency stops, etc. • To the extent possible, the terrain should be level and the condition of the ground such that unexpected movement of the rig is unlikely • Stabilize the rig prior to boring • Wear required PPE (hard hat, safety glasses, work gloves, ear muffs or plugs, steel toe work boots), ensure loose clothing is secured • Maintain good housekeeping on and around drill rig
	Overhead/buried utilities	• Conduct a utility locate to identify the location of underground utilities in boring locations and complete any required dig permits • Overhead utilities should be considered live until determined otherwise • Work activity adjacent to overhead electric power lines will not be initiated until a survey has been conducted to ascertain the safe clearance distance from energized lines. Please refer to the U.S. Army Corps of Engineers (USACE) *Safety and Health Requirements Manual* (EM 385-1-1, 2008) for a complete description of procedures required when working at a location adjacent to overhead power lines. The minimum required clearance distances from energized overhead electric lines are provided below.

AHA – 03 (continued)

<table>
<tr><th>Activity</th><th>Potential Hazards</th><th>Recommended Controls</th></tr>
<tr><td rowspan="3">Soil Boring using Direct Push Technology (DPT), Monitoring Well Installation by Hollow Stem Auger (HSA), Horizontal Injection Well Installation, Well Development, Soil/ Groundwater Sampling, and IDW Handling (continued)

Hazards and recommended controls from AHA – 01 and AHA - 02 apply</td><td>Overhead/buried utilities (continued)</td><td>• From EM 385-1-1:

Minimum Clearance from Energized Overhead Electric Lines
<table><tr><th>Nominal System Voltage</th><th>Minimum Rated Clearance</th></tr><tr><td>0 to 50 kV</td><td>3 m (10 ft)</td></tr><tr><td>51 to 200 kV</td><td>4.6 m (15 ft)</td></tr><tr><td>201 to 350 kV</td><td>6 m (20 ft)</td></tr><tr><td>351 to 500 kV</td><td>7.6 m (25 ft)</td></tr><tr><td>501 to 650 kV</td><td>9.1 m (30 ft)</td></tr><tr><td>651 to 800 kV</td><td>10.7 m (35 ft)</td></tr><tr><td>801 to 950 kV</td><td>12.2 m (40 ft)</td></tr><tr><td>951 to 1100 kV</td><td>13.7 m (45 ft)</td></tr><tr><td colspan="2">Note: kV = Kilovolts, m = Meter, ft = feet</td></tr></table>• For other overhead or in-workplace utilities, workers must be instructed to use care in working under or around utilities to avoid hot surfaces, pressurized gases or air, leaking pipelines, and discharging steam or hot liquids, and must work to prevent accidental contact or damage.
• Maintain a minimum distance of 15 feet from overhead utilities
• All underground utilities must be clearly marked before beginning work
• No borings shall be made within a 4 foot “Buffer Zone” of any utility marking</td></tr>
<tr><td>Exposure to soil contaminants</td><td>• To the extent feasible, limit contact with subsurface materials
• Wear required PPE when conducting intrusive activities
• SSHO shall conduct breathing zone monitoring for VOCs with a PID in accordance with requirements for site monitoring
• SSHO may require an upgrade in PPE or modification to work based on monitoring results
• Use appropriate decontamination methods</td></tr>
<tr><td>Pinch points</td><td>• Utilize appropriate PPE (leather gloves) when handling well casings and tools</td></tr>
</table>

AHA – 03 (Continued)

Activity	Potential Hazards	Recommended Controls
Soil Boring using Direct Push Technology (DPT), Monitoring Well Installation by Hollow Stem Auger (HSA), Horizontal Injection Well Installation, Well Development, Soil/ Groundwater Sampling, and IDW Handling (continued) Hazards and recommended controls from AHA – 01 and AHA - 02 apply	Dust (in particular, silica and trace toxic metals in the Portland cement)	• Use care when installing well materials (sand, bentonite, Portland cement) into monitoring well to prevent dust generation • Position body in an upwind location • Wear PPE to minimize contact with hands and eyes from Portland cement • Wash hands and face prior to eating, drinking, or smoking, (Note: Most Hollow-Stem Auger drill rigs come equipped with a 200-300 gallon tank of fresh water [for Decontamination of tooling, mixing of grout, etc] which can be used as an onsite hand-wash station.)
	Exposure to groundwater contaminants	• Position body upwind from monitoring well prior to opening cap • Wear appropriate PPE including chemical resistant gloves and Tyvek coveralls to minimize potential contact with groundwater, as appropriate • Conduct work activities in a manner that minimizes potential contact with groundwater • Collect all PPE and disposable sampling equipment and dispose of properly • Wash hands and face prior to eating, drinking, or smoking
Safety Equipment Used	**Inspection Requirements**	**Training Requirements**
Level D PPE or Level C, based on air monitoring First Aid Kit Fire Extinguisher Eyewash	Weekly inspections will be performed on fire extinguishers. Weekly inspections will be performed on first aid kits. Portable eye wash will be inspected weekly. Informal daily work area inspections to be conducted by the SSHO. Formal weekly inspections to be conducted by the SSHO using the Site Safety and Health Inspection Form.	Site personnel have read and understand the SSA Site personnel possess all of the required training as specified in the SSA Site personnel received site specific safety indoctrination Site personnel have reviewed all applicable MSDSs At least two individuals on-site will have current CPR and First Aid training Subcontractors will provide documentation of qualification as "OSHA competent person/qualified person" if needed

This page intentionally left blank.

ATTACHMENT B
PRIMARY CONTAMINANTS OF CONCERN

Properties of the Primary Contaminants of Concern

Contaminant	PEL	TLV	Route(s) of Exposure	Signs and Symptoms of Exposure		Target Organs	IP (eV)	Specific Gravity (g/ml)	VP (mm Hg)	Flash Point (°F)	LEL %	UEL %
				Acute	Chronic							
Benzene	1 ppm	0.5 ppm	Inhalation Ingestion Contact Absorption	Irritation of eyes, skin, nose, and throat, headache, dizziness, nausea, staggered gait, fatigue	Cancer (leukemia), adverse reproductive effects (female fertility, birth defects)	Eyes, skin, respiratory system, blood, central nervous system, bone marrow	9.24	0.88	75	12	1.2	7.8
Toluene	200 ppm (750 mg/m^3)	50 ppm (188 mg/m^3)	Inhalation Ingestion Contact Absorption	Irritation of eyes, skin, nose, drowsiness, fatigue, weakness, confusion, headache, nausea, dilated pupils	Liver and kidney damage	Eyes, skin, respiratory system, CNS, liver, kidneys	8.82	0.87	21	40	1.1	7.1
Ethylbenzene	100 ppm (435 mg/m^3)	100 ppm (434 mg/m^3)	Inhalation Ingestion Contact Absorption	Irritation of eyes, and skin, may also cause conjunctivitis (eyes)	CNS depression, pulmonary aspiration	CNS, eyes, skin, respiratory system	8.76	0.87	7	55	0.8	6.7
Xylenes (o-, m-, p- isomers)	100 ppm	100 ppm	Inhalation Ingestion Contact Absorption	Irritation of eyes, skin, nose	Permanent brain and nervous system damage	CNS, liver, and urinary system/kidneys	21	0.864	8	76	1.0	7.0
1,2-DCA	50 ppm	10 ppm	Inhalation Ingestion Contact	Irritation of respiratory system, nausea, headaches	Cancer, jaundice, weight loss, eye damage, anemia	Eyes, skin, respiratory system	NA	1.24	87	55	6.2	15.9
Portland cement	Total Dust 15 mg/m^3 Respirable Fraction 5 mg/m^3	10 mg/m^3 5 mg/m^3	Inhalation Ingestion Contact	Irritation of eyes, skin, nose; cough; expectoration	Suspect cancer (lung); Exertional dyspnea,wheeze, chronic bronchitis; dermatitis	Eyes, skin, respiratory system	NA	NA	0	NA	NA	NA

Notes:

PEL = Permissible Exposure Limit
TLV = Threshold Limit Value
IP = Ionization Potential
eV = Electron volt
VP = Vapor Pressure
mm Hg = Millimeters of mercury
°F = Degrees Fahrenheit
LEL = Lower Explosive Limit
UEL = Upper Explosive Limit
% = Percent
ppm = Parts per million
CNS = Central Nervous System
NA = Not Applicable
1,2-DCA = 1,2-Dichloroethane
ACGIH = American Conference of Governmental Industrial Hygienists
mg/m^3 = Milligrams per cubic meter of air